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## A Machine Learning Method of Determining Causal Inference applied to Shifts in Voting Preferences between 2012-2016

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Abstract. This research investigates the application of machine learning techniques to assist in the execution of a synthetic control model. This model was performed to analyze counties within the United States that showed a voter shift from a majority of Democratic voter share to Republican between the 2012 and 2016 election cycles. The following study applies two steps of machine learning analysis. The first, which is the treatment discovery process, leverages a Random Forest to evaluate feature importance. The second step was the execution of the synthetic control model with two predictor variable lists. The first was the parametric method: a hand curated predictor variable list based on domain knowledge. The second was the non-parametric method: all available predictor (descriptive) variables were used. The Random Forest treatment discovery process resulted in two uncommon variables applied as treatment effects: WIC women enrollment and a decrease of vegetable farm acreage. The opportunity to research these atypical treatment variables allows for the potential of surfacing counterfactual arguments for further research. The use of the parametric and non-parametric methods offers a system of comparison for the research in this paper. The result from the decrease in vegetable farm acreage treatment variable was negative for the non-parametric model. However, the parametric model did show strong statistical evidence towards a treatment effect from the decrease in farm acreage. It is likely that the decrease in vegetable farm acreage is a proxy for poverty or a population density metric. These data results suggest that this model was likely suffering from omitted variable bias for representation of one or both of these metrics in the predictor variable list. The WIC women enrollment treatment variable investigation resulted in the synthetic control model having difficulty in forming a synthetic control comparison. These results suggest there is a fundamental difference between those counties used to create the synthetic control and the other counties that saw a treatment effect. Additional research needs to be performed, and it could result in a different application of the data for use in a synthetic control model. The results of this study, while not surfacing causal inference, did open questions for further research. Given the opportunity these joined causal inference and machines learning practices could continue and potential offer assistance to traditional causal modeling methods. Allowing researchers to understand data and relationships between the data more intimately, theoretically allowing for new causal inferences to be discovered.

## 1 Introduction

Much of traditional machine learning does not attempt to address causality. Recently there has been a great deal of work bridging causality and the machine learning communities. We continue that trend by utilizing both traditional machine learning techniques and tools for determining causal inference. This is a productive technique because when a causal mechanism can be identified, the model being built has the potential for stronger guarantees and greater interpretability. Causal analysis offers a more robust analysis such as the potential to evaluate the hypothetical result had a treatment not been applied. In this research we consider the election prediction methods and utilize causal modeling tools in conjunction with machine learning to evaluate previously undetected relationships.

The original motivating question of this research is the directional shift of voting in 2012 to 2016. The data for this study includes changes from 2012 to the 2016 presidential election and counties that deviated in large vote changes with treatments of interest. This shift in voter choice in counties can be dramatic and there are quite a few inquiries into why and how that shift occurred. However, in their article, Sances offers perspective on how often counties can switch and found it was not deeply abnormal that several hundred counties that voted for Obama in 2012 than voted for Trump in 2016 [1]. One major point of interest in the changes between 2012 and 2016 described by Sances and by Campbell was the important factor of the subpopulation of white voters without college education [2][1]. Both sources continue to cite other experts in the field of election forecasting who found white voters with no college education a deciding swing in the 2016 election, having previously voted as a group more for Obama in 2012. All these factors including education were essential factors in our research, for building a saturated set of factors to measure treatment effects against.

Many factors contribute to the outcomes of public elections and voter behavior. Predicting voter behavior is highly sought after, and entire industries of voting and electoral psychology have evolved to understand elections [3]. Traditional variables leveraged in predictions for a presidential or congressional outcome often consist of many categories such as: economic indicators, ideological preference, biographical information of candidates, incumbency, and approval rating of the president [4]. These all fall into characteristics about the candidate and competitor in combination with economic and cultural factor. Another common method used is poll dampening which combines the poll data and allows the lowering of forecasting mistakes [5]. Regression models and Bayesian statistics are used for current political candidates to determine the position of different voting groups. Additionally, common predictors are the presidential approval rating and a public opinion poll variable. Bayesian statistics comes into play to estimate the posterior distribution of what will be considered the true proportion of voters expected to vote in each state for each represented party [6]. These traditional methods are not robust to shifting prediction variables between observed time periods. When there is a fundamental change to an

environment's underlying variables those models can no longer be applied to the data for prediction [7].

These statistics are a descriptive analysis showing the correlation between variables. When these prediction methods are used there is no investigation into potential treatment effects that could be causing a changing dependent variable. This means these models cannot provide researchers with the opportunity to imply causal inference. This study uses a synthetic control process for the framework of a casual method. The synthetic control practice is the process of comparing an observed treated unit to a synthetic control object. This synthetic object is built with weighted descriptor variables of importance as they relate to the observed treated unit. The synthetic control method requires an identified treatment variable in the algorithm. The synthetic control approach is often used with data that has been thoroughly researched with an identified treatment for investigation.

This paper raises the idea of evaluating uncommon variables as applied treatments to evaluate a causal relationship that moves past the traditional descriptive statistics. As researchers with less domain knowledge, we created and executed a *treatment discovery process*. This was to see if Random Forest could be utilized for treatment variable identification. In theory, this would allow for future researchers to use higher volumes of atypical treatment discoveries that could identify new variables that describe different causal mechanisms. These potential new causal mechanisms would be previously undiscovered and would open new research questions for industry experts.

Some treatments of interest identified in this study surrounded food safety and support. The treatment variable would be classified as the cause for a county's shift from a Democratic to a Republican outcome from the '12 to '16 election cycles. Through the *treatment discovery process* the variables identified for potential treatments were: *Special Supplemental Nutrition Program for Women, Infants, and Children* (WIC) and the change in vegetable farm acreage.

Fig 1. Representing the investigation for the treatment causing the Democratic to Republican voter share change between the 2012 to 2016 election cycles. Note the unknown treatment that

will drives the applied treatment discovery. See more details in section 4 Method.

The synthetic control method traditionally uses highly researched and hand curated predictor variables. This is called a *parametric* method for predictor variable selection. This means industry experts leverage domain knowledge to identify the independent variables with correlative relationships for use in the synthetic control process. From a machine learning perspective this was another opportunity for the application of algorithms in order to help researchers utilize additional data. This could give future researchers the ability to use all available descriptive data for prediction algorithms instead of a subset of variables. The *non-parametric* method allows for a much less manual process for predictor variable selection. Hypothetically, with more data being used and less manual oversight, hypothetically, researchers could surface new causal mechanisms.

The full and condensed *non-parametric method* results of the vegetable farm acreage treatment models showed no evidence of a causal effect. This implies that the change (decrease) in vegetable farm acreage did not have causal relationships with the Democratic to Republican voter share change in the observed county. In contrary, the full and condensed *parametric* methods for the vegetable farm acreage treatment effect model did display a causal effect on the synthetic control county. This is interesting because it introduces a line of questioning into what could be causing the *parametric* method to show a treatment effect while the *non-parametric* method did not. One possible explanation for this that would require additional research would be to study if the decrease in vegetable farm acreage is standing as a proxy for poverty or population density. This would mean the *parametric* method is possibly suffering from omitted variables bias in the predictor variable list.

The full and condensed *parametric method* results showed a failure to create a synthetic control county for comparison to the observed county. This means the 25% quantile group of counties used to create the synthetic control were uniquely different than the remaining 75% of counties not selected to contribute to the donor pool for synthetic county creation. When there is a strong difference in descriptive variables between the treated and untreated groups the synthetic control algorithm cannot properly build and execute a synthetic control unit. This means there is further research to be done into those counties and the underlying data to understand why the synthetic control method would not work for building our control group. Additional research questions to pursue would be to identify the descriptor variable differences and review the data for omitted variable bias. This research question could represent its own study and would help to understand the fundamental differences causing the failure of a synthetic control creation.

The biggest challenge presented was finding potential treatment variables. The data collected by the U.S. Census Bureau made it easy to identify those descriptor traits that could be used as independent variables. However, atypical variables for the *treatment discovery process* with the same granularity were difficult to obtain. Overall, the research did not identify new casual mechanisms, the variables selected either indicated no treatment effect or failure to produce a synthetic control. However,

in executing our methods we moved into a much deeper understanding of these data. The research presented the opportunity to run down multiple other research paths: understanding potential omitted variable bias of our *parametric* method, a foundation to execute other potential treatment variables, and an alteration to our *treatment selection process* to be inclusive of both our potential treatments and predictor variables when identifying variables of importance. These methods used could assist in evolving the traditional synthetic control method by allowing researchers to identify potential treatments and predictor variables with machine learning techniques.

## 2 Background

Many socio-economic factors contribute to voting trends in the US. As the United States becomes more divided secondary societal traits may surface as a better voting indication for a neighborhood, city, or state than traditional explanatory and predictor identifying characteristics of a geography. Ideologies affecting voter results are a new area of research for economic analysts [8]. It is difficult to measure a voter's ideologies outside of religious affiliation, however, examining different secondary societal factors can help group individuals in commonalities and/or ideologies otherwise overlooked. This can entail variables across a wide spectrum, such as most visited websites, common sexual fetish searches, and church attendance.

## 2.1 Causality Literature Review

#### 2.1.1 Causality in the Economic Domain

Economists who attempt to understand and predict events during any change of key environmental factors rely on structural causal models. In many cases, these changes are new or updated policies that will be implemented [7]. There currently exist various and well-developed tools for experimental and observational studies that estimate causal effects. In most cases a causal inference study encompasses a problem question, such as: if a political party executes a new minimum wage policy, how will it affect the economy? The issue has been stated by Holland as there is no way to observe individuals' same state with both the old and new minimum wage policy [7]. Many social science problems have a combination of prediction and causal inferences [7]. It to study both of these side by side and produce results that help have insight into a researcher's problem. At the core of evaluating causal and correlative metrics, it is essential to distinctly study and treat these metrics differently when attempting to elevate both the estimation and inference [7]. For an economist review and model. Athey (2015) argues that mathematics should be different between the predictive and causal metrics that are collected and modeled [7]. Athey (2015) also attempts to combine causal inference and machine learning to get the best of both worlds when evaluating the prediction and causal results. The ability to create a cross validation process is one of the biggest challenges for this model creation.

Measures of uncertainty are often called point estimates or a standard error [9]. Different measures of uncertainty depend directly on the models that are leveraged. Ad hoc tools can lead to speculation and concerns around reporting uncertainty in this domain. Athey and Imbens (2015) attack this issue by presenting an alternative method in gauging the sensitivity of standard errors. They recommend replacing the standard measurements of sensitivity with a "scalar measure of the sensitivity of the estimates to a range of alternative models" [9]. Once this measure has been put into place the different models are then individually estimated. The proposed strength measurement for this would be the standard deviation of the previously outlined scalar measure. Additionally, they propose splitting the population samples into two subsamples on a covariate value. Once this is done, estimating each subsamples' mode and then combining those results to create an estimate of the overall causal effect.

It will be important for researchers to judge sensitivity metrics accordingly in a base causal model. When considering the methods previous researchers have used, a similar adoption of scalar metrics used alongside standard deviations and subsections of populations would produce a robust study with results that could stand up against speculation.

Transportability is the issue of needing to be able to extrapolate findings across domains that differ in their causal characteristics [10]. This issue exists across all scientific study because any experiment's results are then transposed onto a larger population for application, where conditions will always differ. Bareinboim and Pearl (2016) were able to defend their position that even though sample populations will be different, it is still possible to draw causal inference and apply it to a large population by leveraging "experimental knowledge from the source population" [10]. Bareinboim and Pearl outlined the solution to transportability as leveraging graphical and algorithmic criteria for deciding transportability; "fusion in nonparametric models". They also suggested automated procedures for extracting transport formulas outlining what would need to be collected in all of the underlying studies; and lastly, some way to assure when the algorithm fails, fusions will also fail and therefore prevents that data merge despite a large sample size (which is often used as an excuse to move past assumptions) [10].

Predictive models for election campaigns from congressional positions to the presidential election can be easily built and compared against each other. It has been observed that the models themselves vary in accuracy and Mean Absolute Error (MAE), however, their output overall is very similar [8]. Quinn found in his comparison that while the more simplistic kNN model came ahead with accuracy, the random forest model triumphed when considering the MAE. When comparing these two types of models to a super learner model, the super learner model outperformed the individual models in both accuracy and MAE. However, it is important to

recognize that the super learner model combines results to create a final model, and therefore, insight into different variable importance is not available [8].

Structural models built and used for US congressional campaigns allow for the visibility into the system that produced the vote results that are analyzed. This allows researchers to determine the causal impact of differing metrics [8]. Quinn evaluated the effect of candidate campaign expenditures, incumbency, and voter registration on final vote share for US congressional campaigns. Each factor offering significant effects on final vote share and political choice in final vote choices [8]. Additionally, and uniquely, causal modeling allows for counterfactuals arguments to be developed based on what the results of the structural causal models return. In the case of Quinn, they were able to reveal republicans had multiple opportunities where they could have increased campaign spending by a small amount and a victory in an otherwise lost district becomes more likely than a case with less campaign spending [8]. This insight is an example of something that would only be possible through structural causal modeling.

#### 2.1.2 Causality with Graphical Models

In *The Book of Why: The New Science of Cause and Effect*, Pearl discusses the true differences between correlation and causation to explain the true meaning of causality He argues that it has a role in revolutionizing science and will revolutionize artificial intelligence and machine learning [11]. The author discusses using "causal inference" in the Computer Science domain to address seemingly straightforward questions encountered in everyday life. At the root of the answer to these questions is the idea of causal inference. Through real-world examples such as the beginning of vaccination, Pearl explores various causal inference techniques and shows how causal inference can be used to better understand why things are the way they are [11].

In Causal Inference in Statistics: A Primer, Pearl et al. (2016) builds a statistical basis to casual modeling that allows generation of insights related to causality otherwise not explored in general statistical models. Pearl introduces structural causal models as a framework that allows a model to declare that if X in any way appears to influence Y's value, one can say X is a causal variable of Y [12][13]. Pearl in his more rigorous causality also explains these concepts including a graphical causal model. Graphical causal models are an essential tool to understanding causal relationships that can and do inhabit the data of interest. One example below from causality, demonstrates how multiple variables can influence a depict results/conclusion, and several of those variables as transient causal variables. For example, in **Fig. 2** below the season of an area can influence the likelihood of rain which itself then influences whether a sidewalk is wet.



Fig 2. Figure 1.4 from Pearl's Causality 2/e, demonstrating a graphical causal model [13].

Pearl posits there is a ladder of causality, whereby statistical models move from association or correlation at the lowest rung to the level of intervention in a subject finally to the highest level of causality of a counterfactual. At the lowest rung association or correlation is simply the understanding that when X variable occurs, Y also occurs at some expected probability. Whether there is any causation between the two variables is out of the question at the level of association alone, there is no model or question of causation to test when dealing with associations between variables.

At the level of intervention, the extent of an intervention on one variable can be tested on other variables. Intervention is often exemplified by the gold standard of many areas of study, the randomized controlled experiment.

Counterfactuals are one of the most powerful tools for understanding and working with causality. Counterfactuals are based on the logical underpinnings of a human ability to compare outcomes that did not occur if some different action had been taken. Using these same graphical causal models shown below, effects can be hypothesized if an intervention to set X to a value influences resulting variables. Counterfactuals in causal models may result in research and outcomes to posit potential causal models without access to an ability to intervene. Given a limit to observational data and the nature of the causal models being explored, understanding how counterfactual models will interact with the data in this research will be essential to interpreting outcomes.



Fig 3. Figure 1.4 from Pearl's Causality 2/e, demonstrating a graphical causal model [13].

. "Illustrating the graphical reading of counterfactuals. (a) The original model. (b) The modified model Mx in which the node labeled Yx represents the potential outcome Y predicated on X = x " [12].

## 2.1.3 Causality in Machine Learning

In his discussion of causality for machine learning, Schölkopf discusses the approach and place of causal modeling in machine learning [14]. Schölkopf relies on a focus of causal models explored and demonstrated plainly by Pearl [11][12][13]. In their exploration of human rights treaty ratification, Nguyen works within some of these ideas in the use of machine learning techniques with causal models. They explored structural causal models based on factors and time allowing past events of a variable Y caused by X then affect X in a later time period [15]. With models in place, they used substitution estimation and targeted maximum likelihood estimation based on Machine Learning techniques to estimate causal effect.

In the estimators using targeted maximum likelihood estimation (TMLE), they were able to use a breadth of machine learning tools including GLMnet, GAMs, random forests, and Extreme Gradient Boosting (XGboost) techniques to build results in the case of detailed causal estimates of how countries ratified treaties on human rights in the United Nations [15].

## 2.2 Voting Factor Backgrounds

Many factors have a causal relationship in terms of how voters act. In the current literature, there are a variety of factors that can affect both voter turnout and voter choice. Understanding these factors is the lynchpin to this research, unlike other projects in the realm of machine learning, much of the upcoming work is based on assumptions built on the research laid out below.

Before the choice of votes, whether or not a voter shows up to vote, is an important step that is not removed from the causal structure explored in this research. In their text Who Votes Now? Demographics, Issues, Inequality, and Turnout in the United States, Leighley and Nagler offer an important perspective on this behavior. They first argue that large portions of the US populace are unable to vote. In 2008 more than one percent of the otherwise eligible voter population was unable to vote due to disenfranchisement after conviction of a felony. In 2008, over eight percent of the voting-age population were non-citizens [16]. Among those eligible it is rare to see voter turnout of above 60% of able voters among a presidential election, other midterm elections or local elections have even more extreme decreased turnout. While there is not the expectation that this claim can always hold true, it is a fair margin on the periods of interest. Understanding the factors that lead this subpopulation to vote when others do not is as important as understanding who receives these votes. In his book, Red State, Blue State, Rich State, Poor State, Andrew Gelman agrees and cites Nagler and Leighley and argues that with 100% turnout, democrats would have a small advantage, meaning they make up a larger portion of nonvoting populations [17].

Among demographics, one of the starkest differences noted is between the poor and rich, where low-income Americans vote at a rate of less than 50%, while high-income Americans vote at rates of nearly 80% in presidential election years [16]. In addition, Gelman persuasively argues the income can vastly change the dynamic of which political party a voter will choose [17]. Where high-income earners will by and large vote for Republicans whereas lower-income earners vote for Democrats. The primary focus of Gelman's book is that this trend and lies in contrast to the fact that rich localities and states will vote for Democrats over Republicans. Gelman explores how income can be an important factor but is complicated by other socioeconomic factors that builds the more intricate picture of voting behavior.

Racial identity also influences those who turn out to vote with non-Hispanic white voters turning out more than black voters by a decent margin until recently when both voted at similar rates in 2008. Hispanic and other racial groups vote at much lower rates than white and black voters even as recently as 2008. Age is another important indicator of voter turnout with for the most part, the younger a voter is, the less likely they are to vote until voters become quite senior in their high seventies, they began to decline in voter participation. Finally, the authors noted the most educated voters voted at higher rates than less educated. The only major category that does not have an extreme difference is gender; with women having a slightly higher voting turnout than men [16]. However, sources agree there is a stark difference in gendered preference of voting parties. This difference is magnified in importance in the intersection of the urban and rural divide along gendered lines. Schwartz offers some complication in the ideas of race in America. In her writing on cultural heritage in voting preferences in 2016 asserts that while America may present itself as a melting pot of homogeneity, the cultural heritage many have through recent even generational immigration can affect a person's lens of the world and therefore voting behavior [18]. This racial dynamic persists by the normally simple categories of race captured in the American census. This work investigated and found that social behaviors such

as hostile sexism, authoritarian parenting choices, and an orientation towards social dominance predicted preferences of voting for Donald Trump over Hilary Clinton in the 2016 presidential election. These findings suggested that the impact of culture from heritage countries beyond America or the norms and values brought from ancestors old or recent through immigration is a significant component of voting decisions [18]. While not a specific point of exploration in this research, it is an important detail in discussion of race in voting preferences. Data sources built out of the census do not offer the level of cultural detail discussed by this author and those intricacies can be lost in broader racial categories that are the limit of this data.

However, intrinsic characteristics of the voters themselves demonstrated by Gelman, Schwartz, and others are not the entire picture of voting behavior. Berinsky and Lenz (2010) explore the causal link between education and participation in the voting process [19]. While others such as Gelman offer evidence of education's role in predicting voter behavior this is a mere association link that is offered while Berinksy and Lenz attempt to build a causal link between education and political participation. There is strong ongoing evidence that education is associated with political participation [16]. However, in their analysis, Berinsky and Lenz did not find strong evidence of education causing increased participation rates by using the Vietnam War draft as an event of study [19]. They found while there was a large increase in educational attainment in order to avoid the draft, which was an outside force that forced additional education, yet the additional political participation was not increased as a result of this change [19]. Nevertheless, education is an important associative factor to consider as this causal model research continues.

Events outside of voter characteristics also have roles to play. In his exploration of incumbency advantages, David Lee offers a regression discontinuity analysis to demonstrate how incumbents hold a huge advantage regardless of other circumstances [20]. This experiment also offers perspective on the creation of a pseudo experimental model that can be designed with observational election data.

## 2.3 Election Forecasting

Election forecasting is a rich field from which to draw experience and evidence of the efficacy of factors that influence voting habits. Overall, the major goals of election forecasting diverge from the questions of interest in this paper. Where election forecasts predict with a focus on variables most associated with election outcomes, this research focuses on causal links in those outcomes. In his paper on the practices and principles of election forecasting, Lewis-Beck describes these features that define election forecasting [21]. In their wrap-up of the 2016 presidential election, Campbell et al. analyze the efficacy of various poll techniques and forecasts during that election. Overall, most models in the 2016 presidential election performed extraordinarily well sometimes dozens of days before the election in predicting an accurate national vote percentage [2]. While the forecast techniques alone do not offer a causal perspective to build this research off of, they offer a strong foundation of factors to consider in the models this research uses.

## 3 Data

The hypothesis proposed centers around investigating causal relationships between secondary societal factors and voter trends. The mechanism of this investigation is a synthetic control causal model. This research leverages two methodologies for predictor variables selection, traditional: parametric, and nontraditional: nonparametric. In order to execute the nonparametric process a variety of data to effectively build the models for prediction to test the casual treatment. These data sets can be divided into two categories: election results/voter trend data, making up the target variable for prediction; as well as a large variety of socio-economic indicators to build a comprehensive picture of a county that will act as the independent variables.

The election result/voter trends data was procured from the MIT Election Data and Science Lab (MEDSL). The data includes presidential election results from 2000 – 2012 on a county level. The variables contained in this dataset are year, state, state\_po, county, FIPS, office, candidate, party, candidatevotes, and totalvotes. The candidatevotes variable was transformed into percentage Republican and percentage Democrat for each county and election year. In the working data set the percentage Republican or Democrat act as the dependent variable and the data set in limited to the 2012 and 2016 election years.

#### X's:

The X variables that act as the base of the data set are demographic (DP03 table) and economic (DP05 table) data from the American Community Survey that is conducted by the U.S. Census Bureau. In the working data set the 2012 and 2016 editions of the American Community Survey were joined to the 2012 and 2016 election results data set, respectively. This provides a robust data set of 200 different demographic and economic estimators for 3116 counties for both 2012 and 2016 along with each county's respective Republican and Democratic percentage vote distribution.

The goal is to then explore the causation of these voter trends through causal modeling to a variety of other secondary factors. The focus of secondary societal factors narrowed in on a source of food environment factors produced by the department of agriculture. This corpus of factors encompassed a wide variety of factors that as an overall group produce a thorough visual of the food access and health through food access picture across the United States at the county level. Factors include:

- Distribution of restaurants of various types and distance to average resident.
- Availability of several types of stores, including traditional groceries, superstores and convenience stores.
- Access to food sources of all types, restaurants, stores etc.
- Social benefits, access and use of benefits such as SNAP and WIC
- Local sources of food through local farms, farmers markets and other direct source

## 3.1 Data Prep

The main data sets worked with throughout this paper are the 2012 and 2016 versions of the DPO3 and DPO5 tables of the American Community Survey (ACS), provided by the United States Census Bureau. The 2012 and 2016 versions of the ACS are not perfectly identical and contain column names that are confusing and difficult to work with. These two datasets need to be identical in order to work in our methodology. Each column was renamed to be easy to understand and only columns that were in both the 2012 and 2016 data sets were kept. Each dataset contains the same columns and column names with a "\_2012" or "\_2016" appended to the end of each column name for the 2012 and 2016 dataset, respectively. Another issue with each data set is that the values within each column are aggregate numbers. For example, County X has a male population of 30,000. For standardization of all datasets, and to be able to reach the goal of comparing counties to each other, the values within each column need to be percentages. Therefore, each column that contained a numerical estimate of the population that fit that column description was converted into a percentage of the total population of the county. For example, if the total population of County X then the value for the male population variable described earlier would be 50% instead of 30,000. Several variables contain values representing a mean or median dollar amount. These variables were converted into a percentile ranking among each of the counties in the dataset. The total population variable for each data set was also converted into a percentile.

The dataset to build the target variable in this paper includes the 2008, 2012 and 2016 presidential election voting results by county. These datasets were manipulated to isolate each county name, the county FIPS code, the Republican voting percentage, democrat voting percent, and total votes casted. There is a row per county for each dataset. These variables in the 2012 and 2016 election results voting data are joined into the 2012 and 2016 ACS datasets, respectively.

The final results of this data preparation are a 2012 and 2016 dataset with identical columns from the DP03 and DP05 ACS tables as well as the identified variables from the election results voting dataset. Each dataset contains 3116 records with each record representing a county. This dataset is used throughout the method section.

The dataset used to identify treatment variables is the food environment atlas provided by the department of agriculture in its most current iteration as of early 2021. The variables in the food environment atlas includes several categories of variables addressing accessibility of food sources, access to food assistance measures, local sources of food available, and other availabilities of food given the location at hand. To build the set of treatment variables that was explored, a random forest model was built on only this set of variables to predict the target variable of difference in difference of republican vote share over election cycles.

## **3.2 Data Descriptions**

Given our wide range of variables, an overview of summary statistics for each of our variables is available in the appendix. Readers can refer to the appendix for **Fig 9.1** for variable summaries for ACS 2012 dataset, **Fig 9.2** for variable summaries for ACS 2016 dataset and **Fig 9.3** for variable summaries for the food environment atlas.

The non-parametric model used a large list of 105 variables to build the model. That list is available for reference as **Fig 9.4**. The parametric model used significantly less variables and descriptions of these variables can be found below in section 3.2.4.

#### 3.2.1 Dependent Variable

The dependent variable in all major models is a difference of republican vote share from previous election vote share values. This is built off of the vote counts for republican presidential candidates in the elections of 2008, 2012 and 2016.

Measure	2012 Vote Difference	2016 Vote Difference	Difference in Differences
Mean	2.78	3.67	3.22
Standard Deviation	3.36	5.72	4.71
Minimum	-10.29	-37.62	-37.62
First Quartile	0.68	0.65	0.66
Median	2.54	3.67	3.00
Third Quartile	4.70	7.24	5.76
Max	28.37	23.12	28.37

Table 1. Summary Statistics for Republican

In order to stabilize for natural shifts in political weather over election cycles we chose to evaluate our dependent variable on the difference in vote share for a county over election cycles. Therefore our 2012 vote difference variable, shown with summary statistics in **Table 1** below in the first column and **Fig 4**. is representative of the difference in republican vote share by county between the 2008 and 2012 elections with a positive value indicating an increase in vote share between election cycles. Similarly the 2016 vote difference is a measure of the difference between the 2012 and 2016 election and the distribution of this variable can be observed in **Fig 5**.



Fig 4. Republican Vote Share Distribution Difference from 2008 to 2012



Fig 5. Republican Vote Share Distribution Difference from 2012 to 2016

These two vote difference variables were used to calculate our final dependent variable we used to measure treatment effect in our counties. The difference of differences in republican vote share in 2016 is a stable measure that demonstrates how, relatively to 2012 changes in republican vote share changed in a county. It can be explored with summary statistics in the third column of **Table 1** and its distribution can be observed in **Fig 5**.

It is quite clear when investigating the distribution of our dependent variable we expect most counties to have a relative change of a positive value, which indicates that republican vote share increased relatively for the county at hand in the 2016 election. It will not be unexpected to find counties with large increases of vote share towards the Republican candidate, but ideally, strong treatment effects will demonstrate themselves in counties at the edges of our distributions compared to the synthetic build. While we originally began this research with the intention of searching for causal effects of counties moving towards increase in Republican vote share and how this manifested in the 2016 election, our final analysis was the focus on a causal effect of any direction in our data.

## 3.2.3 Non-Parametric Model Variables

We used over one hundred variables in our non-parametric model, distributed over several types of categories. These categories include variables related to age, sex, race, education, occupation, income, commuting and voting behavior. This saturated variable set is listed completely in **Fig 9.4** in the appendix. Other variables described, including the parametric model chosen variables does exist in the non-parametric variable set.

The variable list includes the dependents of difference in Republican vote share over election cycles. The treatment effect is measured by the change in difference of Republican vote share over election cycles.

#### 3.2.4 Parametric Model Variables

The seven variables chosen for the parametric model based on domain knowledge are listed in summary below in **Table 2**.

Measure	Black Population	Hispanic or Latino Population	Median Nonfamily Income	Male – Some College
Mean	9.08	8.66	50.83	29.28
Standard Deviation	14.59	13.49	28.02	5.95
Minimum	0.00	0.00	1.02	6.2
First Quartile	058	1.76	26.65	25.39

Table 2. Summary Statistics for Parametric Chosen Variables

Median	2.20	3.51	50.79	29.34
Third Quartile	10.44	8.76	75.03	33.16
Max	86.20	98.96	100	60.28

Measure	Rural	<b>Total Vote</b>	2012 Republican Vote Share
Mean	59.40	57.09	61.46
Standard Deviation	31.48	9.73	15.35
Minimum	0.00	15.21	4.09
First Quartile	34.39	50.72	52.07
Median	60.59	57.25	63.49
Third Quartile	88.54	63.59	72.93
Max	100.00	116.93	96.03



Fig 6. Black or African American Proportion of County Histogram



Fig 7. Hispanic or Latino of Any Race Proportion of County Histogram

Most counties have a very low population of black and Hispanic residents. Both racial subgroups demonstrate similar skew in distribution and in summary statistics. Only a small subset of counties have a majority population from either of the racial subgroups. Despite their similarities, both represent different patterns and behaviors in demographics across counties in the country.



Fig 8. Median Nonfamily income histogram

The distribution of median income of nonfamily households is fairly uniform, it has the potential to be one of the least indicative variables in this chosen parametric variable set. However, median income is an important indicator of the economic reality of the county at hand and essential for model analysis.



Fig 9. Some college Male Proportion Histogram

In further discussion in section **2.2 Voting Factor Backgrounds** the importance of education as a factor of vote choice is discussed. In addition, men with some college education was an important subgroup of relevance to the 2016 electoral outcome. The distribution is normal with a peak at around 30% of the subpopulation of the county.



Fig 10. Rural Population Histogram

Rural population proportion is essential to understanding the density of our counties and the feature rural, with the distribution above. Overall, the distribution is subtly normal with a large spike at high levels of rural distribution. This indicates we have a large proportion of counties that are almost entirely rural.



Fig 11. Total Vote Histogram

The total vote variable is an indicator of the proportion of a county population that voted in the 2012 election. We have a small number of counties with voting proportions above 100%, given that the census sourced data is an estimate and voters maybe new residents, we can assume the volatility of populations



Fig 12. Past republican share histogram.

The final variable in the parametric variable set is the republican vote share from the 2012 election. This variable provides an underlying set of information for the partisan

makeup of the county in 2012. Many counties have high proportions of Republican vote but few counties have low proportion or close to 100% proportion.

## 3.2.4 Treatment Variables

The selected treatments we investigated for effects in our difference in Republican vote share. The first treatment is the percent change in WIC enrollment by women in a county from 2014 to 2016. The second treatment of interest listed is percent change in vegetable farm acreage from 2007 to 2012.

Measure	WIC Women Enrollment 2014-2016	Vegetable Farm Acreage 2007 - 2012
Mean	-0.24	-1.45
Standard Deviation	0.11	4.23
Minimum	-0.51	-43.11
First Quartile	-0.34	-3.57
Median	-0.22	-0.88
Third Quartile	-0.17	1.28
Max	-0.01	13.40

Table 3. Summary Statistics for Treatment Variables



Fig 13. WIC Women Participation Distribution

As seen above, the WIC women enrollment measure has universally declined across all counties in the given time frame. Our chosen metric of a treated county included all counties in the bottom quartile of the change in enrollment. Those counties are highlighted in red above, and indicate a relatively large decrease in WIC enrollment in the women of the county at hand. The multi modal distribution of this variable is indicative that counties are not all changing equally and there is potential for regional differences of this variable.



Fig 14 .Vegetable Farm Distribution

Unlike WIC women enrollment, the vegetable farm distribution is single modal and distributed normally with slightly more counties having a decrease in farm acreage. The treatment was defined in red above, as those counties in the bottom quartile of percent change in acreage.

#### 4 Method

## 4.1 Causal Models & Synthetic Control

In the research process we performed an evaluation of causal model methods to identify where machine learning techniques could be applied. The best performing method to determine causal inference is a random sampling and random assignment of treatment experimental design. When there is a treatment effect in this experimental framework, then researchers can imply causal inference. This type of experiment design can be costly and ethically questionable for real life applications.

Since the random sampling and random assignment design is difficult to apply statistics has developed casual tools that can be leveraged instead of this challenging study design. One of these tools is regression discontinuity. Regression discontinuity compares treatment and control subjects who have, what appear to be, the same observed characteristics. This makes the regression tool powerful when the cofounding variables are accounted in the model [22]. In the case of this voter share behavior study, it would be uncommon for the cofounding variables to be similar enough to use the regression discontinuity model.

The difference-in-difference method is another tool that can also be used in order to imply causal inference when random sample/random assignment research design isn't available. This is a powerful tool and is often used to analyze naturally occurring events. This type of method requires the variables have a fixed relationship over time. Since election voter share results often are a result of population movements, education level changes, etc. [22], this method would not be a good fit for our proposed research question.

The synthetic control method was another reviewed causal model process for application of machine learning techniques. The synthetic control process assigns weighted variables for determining both predictor variables (v vector) and the variables of importance for creating a synthetic control (w vector). With these weighted vectors the synthetic control model is robust and can account for the effects of cofounding variables changing overtime. Election voter shifts often have changing elements that contribute to the election results. Therefore, the synthetic control process is the most appropriate for this paper's analysis.

In the absence of a random sample / random assignment experiment design, synthetic control methods have become widely used and popularized with researchers in economics and social sciences. The synthetic control method is founded on the concept that using a combination of unaffected populations for a control object creates stronger and a more appropriate comparison when comparing to an observed treated population. In other words, the synthetic control method is used when there is an effort to evaluate the effect of a treatment (or intervention) by creating a hypothetical counterfactual control group in a comparative case study. Abadie states that "synthetic control methodology seeks to formalize the selection of the comparison units using a data-driven procedure" [23]. This data propelled procedure generates an opportunity for quantitative inference when researchers are leveraging comparative case studies.

#### 4.1.1 Weights

The synthetic control methodology requires weights to be assigned to individual subjects within a group that's average represents the counterfactual reality in which treatment was not received. These are called the W vector weights. The W vector weights must be nonnegative and equal one and are contingent on the additional weights that indicate the power of the chosen predictor variables. The predictor variables weights are the V vector weights. In order to create the weighted sum, researchers must compare outcomes and explanatory variables in the pre-treatment period of the potential counterfactual counties to the same variables in the pre-treatment period of the treated county.

There are many ways in which to choose weights, including subjectively. Another way, and preferred way, is to choose weights from all possible matrices to minimize the resulting mean squared prediction error (MSPE). Lastly, to assign weights is through a form of cross-validation which has a goal of preventing overfitting. However, this method results in penalizations for the number of variables being analyzed and the selected potential control groups. In this study the weighting method is automatically handled through the algorithm in the Synth package we used.

If the V vector weights result in the synthetic and control counties vector's matching closely, then the synthetic control model will allow for insight into the potential treatment effect. If the V vector weights appear very different this could result in the inability of the algorithm to create an effective synthetic control county. This means the treatment cannot be analyzed as a causal effect with the current descriptor variables used to create the counterfactual county in the research.

#### 4.1.2 Assumptions

When using the synthetic control method there are a series of assumptions that must be met to move forward with modeling. First, no similar change can be present in the counterfactual control group during the time frame of the examined treatments on the affected group. Second, the treatment that occurs in the affected group cannot have any implications on the counterfactual control group. Lastly, the variables that are leveraged to form the weights in the counterfactual control group must be the same and/or similar to those variables available to the studied treatment group.

#### 4.1.3 Procedure

These are the standard steps to complete a synthetic control model. We leveraged the Synth package in R in order to allow us to complete large portions of this processes automatically with minimal manual effort. The detail for each step can be found in the appendix List 9.1.

- 1. Identify dataset
- 2. Identify counterfactual units for synthetic control and weight of importance assignment (W vector).
- 3. Select the method for determining and assign predictor weights (V vector).
- 4. Assessment of the pretreatment period
- 5. Placebo tests on counties in the potential counterfactual group
- 6. Sensitivity tests to allow for further analysis of the integrity of the results

#### 4.1.4 Synth Package

The study leverages the Synth package in R. The Synth package requires the identification of a treatment variables and predictor variables to be used in the algorithm. A conclusive treatment effect is shown by an obvious divergence from the prediction of county election results at the time of treatment from the counterfactual county. The following sections give more background on the *treatment discovery methods*; as well as details surrounding the *parametric* and *non-parametric* predictor variable selection methods leveraged in order to complete the data requirements for the Synth package.

## 4.2 Treatment Discovery Method

Conventional methods for the synthetic control model use treatment variables that have been selection through a rigorous research process. Data is carefully selected and fitted to the synthetic control model and then tested for results. In the absence of sound domain knowledge this research is an attempt to help alleviate the amount of time needed to research those data and allow industry scholars devices that help them to leverage large volumes of data and reach conclusions more easily.

In this study our treatment variable was the unknown variable and therefore open for discovery. The most difficult part of obtaining potential treatments was identifying data that had been collected at the same granularity as our research data being used: U.S. Census Bureau county data. We were able to obtain those data for food safety at the desired level with the Food Environment Atlas from the U.S. Department of Agriculture. With these data we moved forward with a Random Forest variable importance identification. Below in **Fig 15** we depict those highest variables of importance, WIC women enrollment and vegetable farm acreage change when compared to the dependent variable: change in Republican voter share. The full variable importance outcome can be found in **Fig 9.5**.



**Fig 15.** The two highest variables of importance surfaced by the Random Forest Regressor were the vegetable farm acreage change and WIC women enrollment. The vegetable farm acreage change being of the highest importance.

These two features of importance will now be referred to as the treatment variables being studied for causal inference. Once both variables had been identified they were merged with the base dataset at the county level. Our full dataset now contains all descriptive variables of U.S. counties and the WIC women enrollment and change in vegetable farm acreage.

Using these treatment variables, we assigned each county to either a treatment or a control group based on the distribution of the treatment variable, this is depicted in these data with a binary indication of 1 or 0 respectively. Those that were identified as treated were selected by identifying those counties that were in the bottom 25% distribution of the data. For all counties that were assigned a 1 based on their quartile placement we aggregated that county into a single observed treatment county.

The final dataset contained:

- All descriptor variables of counties from census data
- Treatment identification for WIC women
  - a. Pre and post treatment effect
- Treatment identification for decrease in vegetable farm acreage
  - a. Pre and post treatment effect
- Dependent variable: Republican voter share

These full datasets can be viewed in Fig 9.4 of the appendix.

## 4.3 Model Types

Two research methods were leveraged in these efforts. In order to test our new *treatment discovery method*, the research included a *parametric* predictor variable method against a *non-parametric* method. A *parametric* method is a traditional method used by industry researchers to curate the predictor variable list through domain knowledge. The *non-parametric* method is the approach to use all available descriptive variables as independent variables and allow the synthetic control algorithm to weight all independent variables systematically. At most, the researcher removes logically irrelevant and duplicate variables by hand. Allowing the algorithm to perform most of the work.

These different model types served as logical results checks against each other. Since this paper presented two new methods: *treatment variable discovery* and *non-parametric* predictor variable selection; a traditional parametric method allows for checks of results to determine potential errors in the new methodologies. With results that seemed to indicate a causal effect in the parametric method, research questions

surfaced about what could cause the difference in treatment effects between the two model types.

While working through the necessary methods the need for a more condensed method in order to run tests was necessary. Due to the high costs of processing time, we moved forward with breaking each model into a condensed version to allow easy checks of data and algorithm execution. The condensed method of each of model types uses the top 10% of the W vector weights produced to identify weighted importance between those potential donor counties. This reduces the number of weighted counties from 2300 to 230. Allowing for faster run times for testing and comparison of results.

#### 4.3.1 Non-Parametric Approach

The *non-parametric* approach is executing the synthetic control model with all possible potential predictor variables for weighting. This includes over 100 independent variables for consideration and weighting by the algorithm. This allows for the grouping of similar counties on many different factors, that would otherwise be omitted in the traditional *parametric* method. The Synth package creates and weights the predictor variables and identifies these values as a V vector. This process is different than traditional synthetic control studies due to its less selective nature of predictive variables.

There can be a benefit of using a larger set of variables, as opposed to using a small subset in the *parametric* approach, is that deeper relationships and similarities between counties can be surfaced. It would be extremely difficult to accurately group and compare similar counties based on 100 factors by looking at each county using the *parametric* method. Additionally, the *non-parametric* method allows for tighter clusters of counties that reflect a higher degree of similarity. Having groupings of counties as similar as possible is key to our methodology of leveraging machine learning algorithms. These tightly related groups offer a broader reach of investigative predictors and treatments.

Our hypothesis is that allowing a large list of independent variables to be leveraged could result in a more sounds predictor variable list as well as synthetic control results. This hypothesis is coupled with the goal to support and potentially broaden traditional research methods of causal inference with strong machine learning practices.

In the full *non-parametric* model, the research here leverages a list of 2300 counties as a donor pool for the creation of the counterfactual control county. In the condensed *non-parametric* model this research leverages only the top 10% of W vector weighted counties to contribute to the donor pool for the creation of the counterfactual control county. The condensed *non-parametric* model was created to save computing resources. Additionally, it offered insight into a comparison study between using all

data available rather than data that appears to be related through descriptive statistical analysis.

A full list of those counties used for our condensed and full non-parametric methods can be found in the appendix for the vegetable farm acreage treatment **Fig 9.6-9.9** and for WIC women enrollment **Fig 9.14 - 9.18**.

#### 4.3.2 Parametric Approach

As previously stated, the *parametric* approach is when researchers use industry knowledge to manually pair down and specifically select the predictor variables for use in the synthetic control algorithm. There are commonly leveraged variables for prediction algorithms across industries. When implementing an election prediction algorithm common variable leveraged in industry are: economic indicators, candidates' biographical information, approval ratings, and incumbency [4]. The variables to select within these categories are limited. These limitations are around what themes are being examined and also by a researcher's experience. The parametric method focuses on a small handful of variables where there is evidence of efficacy.

Variables of use include variables that speak to important racial factors, income factors in the county of interest, educational attainments, and indicators of the county size. For racial factors, the first variable included is the percentage of the population that self identifies as Black. The second racial factor is the combined percentage of the population that is Hispanic or Latino. Both racial factors are highly predictive of voter outcomes, as both racial groups while not entirely homogenous indicate regular and reliable voting preferences [16][17][18]. The income factor of choice is median family income. Income is a highly predictive factor of voting tendencies. Income for a family can be more indicative of the financial situation for families within the county overall and predictive of voting trends [17]. County urbanization as a measure of the population by the amount of land in a county offers a measure of how rural, urban, or suburban a county is. This measurement of urbanization is important because, despite previous factors of racial indicators and income, voters in different levels of urbanization and socialization have different voting patterns [17]. Educational attainment through a measure of adults with some college or more education is the next variable chosen. Educational attainment is a highly predictive factor for both participation in politics often through voting and how those votes will be chosen [17][19]. Finally, a voter turnout metric as a proportion of eligible voters is a key variable for this model. Voter turnout is an important indicator of outcomes as voter choice and how likely they are to vote are correlated outcomes [16][17].

To execute the *parametric* method, we selected those predictor variables based on industry standard that can be found in the below **Table 4**. The Synth package then creates and weights the predictor variables and identifies these values as a V vector. Including a parametric method allows this research to retain a checks system for the

heavy machine-driven techniques: *treatment discovery process* and *non-parametric* variable prediction execution.

In the full *parametric* model, the research here leverages a list of 2300 counties as a donor pool for the creation of the counterfactual control county. In the condensed *parametric* model this research leverages only the top 10% of W vector weighted counties to contribute to the donor pool for the creation of the counterfactual control county. The condensed *parametric* model was created to save computing resources. A full list of those counties used for our condensed and full parametric methods can be found in the appendix for the vegetable farm acreage treatment **Fig 9.10 - 9.13** and for WIC women enrollment **Fig 9.19 - 9.22**.

#### 4.4.3 Model Predictor Variables Comparison

The predictor variables chosen for the *non-parametric* and *parametric* methods are compared below in **Table 4** We note that the predictor variables for the *parametric* method all fall within the categories that are contained within the *non-parametric* method. Our hypothesis being the ability to leverage all variables in a machine learning algorithm will be able to assist traditional researching in no longer having to apply as much front end research effort on predictor variable selection to be able to create and execute a synthetic control model. The full *non-parametric* variable predictor list can be reference in the appendix in **Fig 9.4**.

Parametric Predictors	Non-Parametric Predictor Categories
Voter turnout	Race
Republican voting %	Age
Rural pop &	Gender
Male some college %	Education
Median non-family income %	Income
Hispanic %	Occupation
Black %	Voting

**Table 4.** Parametric Predictor Variables versus Non-Parametric Predictor Variable

 Categories

## 4.4 Dependent Variable & Results Interpretation

The dependent variable of measurement is the difference in Republican voter share from 2016-1012 subtracted from the difference in Republican voter share in 2008-2012. This is a difference-in-difference measurement for the dependent variable. Difference-in-difference dependent variables allow for more data to be included in the evaluation. If there is a common trend or shift happening to all the counties; for example, increase in Republican voter share, then that trend would be surfaced. As researchers we want to surface the most extreme trends. Using the difference-indifference measurement for the dependent variable allows us to accomplish this.

Result interpretation is measuring the path of an observed object against a synthetic control's path. A synthetic control model takes place during pre-treatment and post-treatment time frames. The observed treatment object and the synthetic control object will show a near identical path during the pre-treatment time frame. After the treatment has been applied the graph will depict the path of the observed object as compared to the path of the synthetic control object. If there was a treatment effect these two paths will deviate from one another. If there is no deviation, then there is no treatment effect and subsequently no implied causal relationship between the treatment variable and dependent variable. **Fig 16** displays an example of a true result in treatment effect and implied causal inference.



**Fig 16.** Above we depict an examples of a synthetic control model showing a deviation from the observed treatment unit after the identified time of treatment. This result indicates a causal effect from the treatment.

#### 5 Results

## 5.1 Prior Research

Previous research has been sparse regarding synthetic control causal models paired with machine learning to execute a treatment variable selection and predictor variable lists. We hypothesized leveraging machine learning algorithms within a traditional synthetic control framework could result in having a higher efficacy compared to only traditional causal models. Furthermore, we sought out ways to use machine learning practices to evolve the synthetic control method to make it more powerful for those researchers who lack customary domain knowledge for execution of their algorithms. With the inclusiveness of the research and methods contained within this paper we hope there are benefits from both sides of the research.

## 5.2 Model Results

The below results explore various synthetic control model implementations with potential treatment variable: vegetable farm acreage and WIC women enrollment. The dependent variable is the difference-in-difference of Republican voter share from 2012 to 2016. This is calculated by the subtraction of the difference of Republican voter share from 2012-2016 from the different in Republican voter share between 2008-2012. This means those counties that result in a negative number in 2016 are showing an increase in Republican voter share. Subsequentially, those counties that result in a positive number in 2016 indicate a larger share of Democratic voter share.

#### 5.2.1 Vegetable Farms Acreage Treatment Variable

These data and models explore the possibility of a percent change in the total acreage of vegetable farms within a county from 2007 to 2012 potentially causing a treatment effect resulting in an increase of Republican voter share between the 2012 and 2016 election cycles. These models explore the relationships between an observed treated county and a synthetic version of the treatment county. The observed county is an aggregate of each observation that falls in the bottom 25% of the distribution on the percent change in acreage of vegetable farms treatment variable distribution. In the full models the synthetic is made up of the other 75% of observations with differing weights determined by the synthetic control model. In the condensed models the synthetic county is made up of the top 10% of counties (~230) instead of the entirety of the 75%.

#### 5.2.1.1 Vegetable Farm Acreage: Full Non-Parametric

The full *non-parametric* model did not show any significant difference between the treated (observed county) and the synthetic control. The outcome for both the synthetic and observed counties is negative. This means these data show there was a larger Republican voter share in 2016 than in 2012 for both counties. This indicates a false result or data depicts there is no evidence of a causal relationship between a large decrease in the acreage of vegetable farms and increased Republican voter share.



**Fig 17.** The full *non-parametric* model run with all possible control counties and all possible predictors does not show clear separation between the aggregated treatment county and the synthetic control county.

The W vector for the full *non-parametric* model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor county. The below table depicts the top 10 weights for the potential donors.

 Table 5. Top 10 W Vector Weights for Donor Counties for Full Non-Parametric

 Model for Decrease Vegetable Farm Acreage

County	W Weight
Carroll County, Georgia	0.072

Dakota County, Minnesota	0.061
Cochise County, Arizona	0.044
Kent County, Michigan	0.036
Jefferson Parish, Louisiana	0.035
DeKalb County, Illinois	0.033
Clermont County, Ohio	0.031
Harford County, Maryland	0.029
Pike County, Georgia	0.026
Blaine County, Idaho	0.025

Full reference can be found in Fig 9.6 in the appendix.

The V vector for the full *non-parametric* model depicts those weights that have been assigned to the predictor variables in order to drive the synthetic control model's prediction algorithm. All V weights in this model were equally weighted at 0.01. Full reference can be found in **Fig 9.7** in the appendix.

#### 5.2.1.2 Vegetable Farm Acreage: Condensed Non-Parametric

The condensed *non-parametric* model did not show any significant difference between the treated (observed county) and the synthetic control. The outcome for both the synthetic and observed counties is negative. This means these data show there was a larger Republican voter share in 2016 than in 2012 for both counties. This indicates a false result or data depicts there is no evidence of a causal relationship between a large decrease in the acreage of vegetable farms and increased Republican voter share.



Veggie Farms Acreage Treatment Effect - Condensed Non-Parametric

Fig 18. The condensed non-parametric model run with a subset of control counties and all possible predictors does not show clear separation between the aggregated treatment county and the synthetic control county.

The W vector for the condensed non-parametric model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor county. The below table depicts the top 10 weights for the potential donors.

County	W Weight
Atkinson County, Georgia	0.062
Bent County, Colorado	0.056
Appling County, Georgia	0.050
Barnwell County, South Carolina	0.049
Ashland County, Wisconsin	0.042
Bell County, Kentucky	0.038
Ashtabula County, Ohio	0.035

Table 6. Top 10 W Vector Weights for Donor Counties for Condensed Non-Parametric Model for Decrease Vegetable Farm Acreage
Benton County, Indiana	0.030
Barbour County, Alabama	0.028
Bamberg County, South Carolina	0.027

Full reference table can be found in Fig 9.8 in the appendix.

The V vector for the condensed *non-parametric* model depicts those weights that have been assigned to the predictor variables in order to drive the synthetic control model's prediction algorithm. The below table depicts the top 10 weights for the predictor variables.

**Table 7.** Top 10 V Vector Weights for Prediction Variables for Condensed Non-Parametric Model for Decrease Vegetable Farm Acreage

County	V Weight
American Indian and Alaska Native	0.114
Industry Other Services Except Public Administration	0.082
Hispanic or Latino of Any Race – Cuban	0.057
Income Over 200K	0.044
In Labor Force – Armed Forces	0.036
Age 25 – 44	0.032
Mean Travel Time to Work	0.031
Service Occupations	0.029
Occupation – Management, Business, Science and Arts	0.021
Ages 10 – 19	0.020

Full reference table can be found in Fig 9.9 in the appendix.

### 5.2.1.3 Vegetable Farm Acreage: Full Parametric

The full *parametric* model run with all possible control counties and a subset of manually selected predictor variables does show a significant difference between the treated (observed county) and the synthetic control. The outcome for the synthetic county is positive. This means the data indicates there would have been a larger Democratic voter share in 2016 than 2012 given the absent of the treatment: decrease in vegetable farm acreage. This indicates a true result or data depicts there is statistically significant evidence of a causal relationship between a large decrease in the acreage of vegetable farms and increased Republican voter share.



**Fig 19.** The full *parametric* model run with all possible control counties and a subset of manually selected predictor variables does show clear separation between the aggregated treatment county and the synthetic control county.

The W vector for the full *parametric* model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor county. The below table depicts the top 10 weights for the potential donors.

**Table 8.** Top 10 W Vector Weights for Donor Counties for Full *Parametric* Model

 for Decrease Vegetable Farm Acreage

Virginia Beach County, Virginia	0.121
Grant County, Kansas	0.108
Kings County, California	0.052
Waukesha County, Wisconsin	0.018
St. Charles Parish, Louisiana	0.010
Fayette County, Georgia	0.009
Dakota County, Minnesota	0.007
Macon County, Alabama	0.005
York County, Virginia	0.005
Anoka County, Minnesota	0.004

Full reference table can be found in Fig9.10 in the appendix

The V vector for the full *parametric* model will show those weights that have been assigned to all predictor variables in order to drive the synthetic control model's prediction algorithm. In the below table the top 10 weights for the predictor variables.

Predictor	V Weight
One Race Black or African American	0.130
Hispanic or Latino of any Race	0.153
Median Non-family Income Dollars	0.130
Male Education Some College or Associates	0.139
Rural	0.139
Voter Turnout	0.153
Republican Vote Percentage	0.157

**Table 9.** Top 10 V Vector Weights for Prediction Variables for Full ParametricModel for Decrease Vegetable Farm Acreage

Full reference can be found in Fig 9.11 in the appendix.

#### 5.2.1.4 Vegetable Farm Acreage: Condensed Parametric

The condensed *parametric* model run with all possible control counties and a subset of manually selected predictor variables does show a significant difference between the treated (observed county) and the synthetic control. The outcome for the synthetic county is positive. This means the data indicates there would have been a larger Democratic voter share in 2016 than 2012 given the absent of the treatment: decrease in vegetable farm acreage. This indicates a true result or data depicts there is statistically significant evidence of a causal relationship between a large decrease in the acreage of vegetable farms and increased Republican voter share.



**Fig 20.** The condensed *parametric* model run with all possible control counties and a subset of manually selected predictor variables does show clear separation between the aggregated treatment county and the synthetic control county.

The W vector for the condensed *parametric* model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor county. The below table depicts the top 10 weights for the potential donors.

 Table 10. Top 10 W Vector Weights for Donor Counties for Condensed Parametric

 Model for Decrease Vegetable Farm Acreage

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Caribou County, Idaho	0.126
Bay County, Michigan	0.098
Cloud County, Kansas	0.030
Florence County, South Carolina	0.015
Fond du Lac County, Wisconsin	0.013
Harford County, Maryland	0.011
Butler County, Nebraska	0.010
Butler County, Ohio	0.010
Effingham County, Illinois	0.008
Benton County, Oregon	0.008

Full reference table can be found in Fig 9.12 in the appendix.

The V vector for the condensed *parametric* model will show those weights that have been assigned to all predictor variables in order to drive the synthetic control model's prediction algorithm. In the below table the top 10 weights for the predictor variables.

Predictor	V Weight
One Race Black or African American	0.661
Hispanic or Latino of any Race	0.109
Median Non-family Income Dollars	0.008
Male Education Some College or Associates	0.053
Rural	0.027
Voter Turnout	0.140
Republican Vote Percentage	0.002

**Table 11.** Top 10 V Vector Weights for Prediction Variables for Condensed

 Parametric Model for Decrease Vegetable Farm Acreage

Full reference can be found in Fig 9.13 in the appendix.

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## 5.2.2 WIC-Women Treatment Variable

These data and models explore the possibility of a percent change in the participation of women in the WIC program within a county from 2007 to 2012 potentially causing a treatment effect resulting in an increase of Republican voter share between the 2012 and 2016 election cycles. These models explore the relationships between an observed treated county and a synthetic version of the treatment county. The observed county is an aggregate of each observation that falls in the bottom 25% of the distribution. In the full models the synthetic is made up of the other 75% of observations with differing weights determined by the synthetic control model. In the condensed models the synthetic county is made up of the top 10% of counties (~230) instead of the entirety of the 75%.

In every model below we saw a separation in starting points of the synthetic control and observed treated county. There are varying degrees of separation, however, it did occur in all models. The severity of separation of the starting points indicates the severity in which the synthetic control algorithm had difficulty in creating a proper synthetic control county. When there is a failure for the synthetic control algorithm to create a control object, then any treatment effect observed may not be considered statistically viable results.

## 5.2.2.1 WIC-Women: Full Non-Parametric

The full *non-parametric* model failed to create a viable synthetic control county for comparison to the treated (observed) county. This is depicted below in **Fig 21** showing a clear separation of the starting voter shared difference in 2012 between control and treated counties. The outcome of this model is not sound for statistical analysis or implication of causal inference.



**Fig 21.** The full *non-parametric* model run with all possible control counties and all possible predictor variables shows the synthetic control algorithm was not able to create a viable synthetic control county.

The W vector for the full *non-parametric* model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor county. The below table depicts the top 10 weights for the potential donors.

Table 12.	Top 10 W Vector Weights for Donor Counties for Full Non-Parametric
Model for	WIC Women Enrollment Treatment Effect

County	W Weight
Morgan County, Colorado	0.084
Otero County, Colorado	0.073
Hall County, Georgia	0.051
Yakima County, Washington	0.041
Newton County, Indiana	0.037
Harper County, Oklahoma	0.036
Weld County, Colorado	0.030

McClain County, Oklahoma	0.028
Clark County, Nevada	0.026
Pleasants County, West Virginia	0.023

Full reference can be found in Fig 9.14 in the appendix.

The V vector for the full *non-parametric* model will show those weights that have been assigned to all predictor variables in order to drive the synthetic control model's prediction algorithm. In the case of this model where synthetic control failed to create a strong synthetic control the V vectors were all evenly weight at 0.1. The full reference table can be found in **Fig 9.15** in the appendix.

When the synthetic control model fails to create a comparable synthetic control object, the synthetic estimated values for the counties will fail to match the treatment estimated values that were observed. The top 10 comparisons of estimators of the treated versus the control county can be found below.

Predictor	Treated Value	Synthetic Estimator	Difference (Absolute Value)
Median Earnings for Male Full Time Workers	48.949	47.564	1.385
Per Capita Income Dollars	48.789	47.914	0.875
Rural Population Percentage	56.416	55.687	0.729
Voter Turnout	52.999	53.668	0.669
Median Age Years	47.888	47.256	0.632
Urban Population Percentage – Urbanized Areas	16.474	17.104	0.630
Median Non-family Income Dollars	50.545	51.017	0.472
Hispanic or Latino of Any Race – Mexican	15.652	15.184	0.468
One Race – Black or African American	5.841	5.376	0.465

Table 13. Top 10 Synthetic Estimator Compared to Actual Observed Values

Mean Travel Time To Work – Minutes	44.239	43.798	0.441
(Percentile)			

Full table of estimated values between the synthetic control county and treated observed county can be found in Fig 9.16 in the appendix.

#### 5.2.2.2 WIC-Women: Condensed Non-Parametric

The condensed *non-parametric* model did not show any significant difference between the treated (observed county) and the synthetic control. There was a slight variation of starting points, however this variation is low so we move forward with interpretation of the model. The outcome for both the synthetic and observed counties is negative. This means these data show there was a larger Republican voter share in 2016 than in 2012 for both counties. This indicates a false result or data depicts there is no evidence of a causal relationship between women WIC enrollment and increased Republican voter share.



**Fig 22.** The condensed *non-parametric* model run with all possible control counties and all possible predictors does not show clear separation between the aggregated treatment county and the synthetic control county.

The W vector for the condensed *non-parametric* model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor

county. The below table depicts the top 10 weights for the potential donors.

Table 14. Top 10 W Vector Weights for Donor Counties for Condensed Non-
Parametric Model for WIC Women Enrollment Treatment Effect

County	W Weight
Black Hawk County, Iowa	0.078
Beckham County, Oklahoma	0.075
Harper County, Oklahoma	0.048
Beaver County, Pennsylvania	0.048
Bergen County, New Jersey	0.044
Bartholomew County, Indiana	0.042
Bertie County, North Carolina	0.040
Benton County, Minnesota	0.039
Barren County, Kentucky	0.036
Benson County, North Dakota	0.034

Full reference can be found in Fig 9.16 in the appendix.

The V vector for the condensed *non-parametric* model will show those weights that have been assigned to all predictor variables in order to drive the synthetic control model's prediction algorithm.

**Table 15.** Top 10 V Vector Weights for Prediction Variables for Condensed Non-Parametric Model for WIC Women Enrollment Treatment Effect

Predictor	V Weight
Voter Turnout	0.070
Hispanic or Latino of Any Race – Mexican	0.063
Median Earnings for Male Full Time Workers	0.046
Income 100K – 200K	0.044

Households with Public Assistance Income	0.039
Other Race	0.035
Hispanic or Latino of Any Race – Cuban	0.035
No Health Insurance Coverage	0.031
Service Occupation	0.027
Hispanic or Latino of Any Race	0.026

Full reference table can be found in Fig 9.15 in the appendix.

# 5.2.2.3 WIC-Women: Full Parametric

The full *parametric* model failed to create a viable synthetic control county for comparison to the treated (observed) county. This is depicted below in **Fig 23** showing a clear separation of the starting voter shared difference in 2012 between control and treated counties. The outcome of this model is not sound for statistical analysis or implication of causal inference.



**Fig 23.** The full *parametric* model run with all possible control counties and all possible predictor variables shows the synthetic control algorithm was not able to create a viable synthetic control county.

The W vector for the full *parametric* model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor county. The below table depicts the top 10 weights for the potential donors.

Table 16. Top 10 W Vector Weights for Donor Court	nties for Full Parametric Model
for WIC Women Enrollment Treatment Effect	

County	W Vector
Adams County, Washington	0.121
Sanpete County, Utah	0.089
Costilla County, Colorado	0.024
Crowley County, Colorado	0.016
Texas County, Oklahoma	0.015
Beaver County, Oklahoma	0.007
Alamosa County, Colorado	0.005
Thomas County, Nebraska	0.005
Colfax County, Nebraska	0.003
Echols County, Georgia	0.003

Full reference can be found in Fig 9.18 in the appendix.

The V vector for the full *parametric* model will show those weights that have been assigned to all predictor variables in order to drive the synthetic control model's prediction algorithm. The top 10 V vectors can be seen below in **Table 17**.

When the synthetic control model fails to create a comparable synthetic control object, the synthetic estimated values for the counties will fail to match the treatment estimated values that were observed. This is depicted by different starting points for the synthetic and control counties in the above **Fig 23**. The full reference table of these compared estimator values can be found in the appendix **Fig 9.23**.

 Table 17. Top 10 V Vector Weights for Prediction Variables for Full Parametric

 Model for WIC Women Enrollment Treatment Effect

Predictor

V Weight

One Race Black or African American	0.004
Hispanic or Latino of any Race	0.447
Median Non-family Income Dollars	0.001
Male Education Some College or Associates	0.420
Rural	0.034
Voter Turnout	0.094
Republican Vote Percentage	0.000

The full reference table can be found in Fig 9.19 in the appendix.

## 5.2.2.4 WIC-Women: Condensed Parametric

The condensed *parametric* model failed to create a viable synthetic control county for comparison to the treated (observed) county. This is depicted below in **Fig 24** showing a clear separation of the starting voter shared difference in 2012 between control and treated counties. The outcome of this model is not sound for statistical analysis or implication of causal inference.



**Fig 24.** The condensed *parametric* model run with a subset of control counties and a subset of manually selected predictor variables shows the synthetic control algorithm was not able to create a viable synthetic control county.

The W vector for the condensed *parametric* model will show those weights that have been assigned to all donor counties in order to design the synthetic control donor county. In the below table the top 10 weights for the potential donors.

Table 18. Top 10 W Vec	tor Weights for Donor Counties for Condensed Parametric	С
Model for WIC Women	Enrollment Treatment Effect	

County	W Weight
Glades County, Florida	0.080
Dixon County, Nebraska	0.029
Piute County, Utah	0.023
Bergen County, New Jersey	0.018
Benton County, Arkansas	0.010
Saguache County, Colorado	0.009
Carroll County, Arkansas	0.009
Jefferson County, Oklahoma	0.008
Prowers County, Colorado	0.007
Richmond County, New York	0.006

Full reference can be found in Fig 9.20 in the appendix.

The V vector for the condensed *parametric* model will show those weights that have been assigned to all predictor variables in order to drive the synthetic control model's prediction algorithm. The top 10 V vectors can be seen below in **Table 19**.

When the synthetic control model fails to create a comparable synthetic control object, the synthetic estimated values for the counties will fail to match the treatment estimated values that were observed. This is depicted by different starting points for the synthetic and control counties in the above **Fig 24**. The full reference table of these compared estimator values can be found in the appendix **Fig 9.24**.

Predictor	V Weight
One Race Black or African American	0.225
Hispanic or Latino of any Race	0.165
Median Non-family Income Dollars	0.006
Male Education Some College or Associates	0.026
Rural	0.184
Voter Turnout	0.000
Republican Vote Percentage	0.395

**Table 19.** Top 10 V Vector Weights for Prediction Variables for Condensed

 Parametric Model for WIC Women Enrollment Treatment Effect

Full reference can be found in Fig 9.21 in the appendix.

#### 6 Conclusions

Overall, our results offer no definitive proof of a strong causal treatment effect in our research. We are left with two potentially interesting treatments that show little evidence of providing true causal effect on voting behavior changes between 2012 and 2016. It was unexpected to see no effect. We hypothesized using a Random Forest for *treatment discovery process* would allow us to elevate those potential treatment variables. This result does however lead to more research questions, such as what potential omitted variables are causing the indication of an important observed relationship without resulting in a causal relationship.

We encountered difficulty during this research obtaining and matching data that would work for a treatment discovery. While we originally intended to pull together more culturally based potential treatments, it was more difficult to find and leverage this data at the granular level needed for this study. There is an opportunity for extended research in this arena. Being able to leverage atypical cultural variables for research and potentially discovering treatment effect could fuel new areas of research.

In our analysis we noted that those predictor variables being used were not incorporated into our *treatment discovery process*. For future research, we think our *treatment discovery process* would benefit from combining both the predictor variables and potential treatment variables in the Random Forest *treatment discovery* step. Ideally this would allow us to make sure we are not identifying a variable that might be a proxy for another predictor variable, such as, poverty or population density. Such as we believe we did in our selected treatments during this research.

The concept of being able to train a model that can account for shifting predictor variables will allow engineers to create learning algorithms that can be the building blocks for artificial intelligence. We continued research for using both machine learning and traditional causal inference methods. Our hypothesis to power those traditional methods so that researchers have less manual overhead was neither proven nor disproven. The results presented new research questions, that when addressed, could potentially continue to bridge the gap between machine learning and causal inference.

## 6.1 Vegetable Farm Treatment

The vegetable farm acreage treatment was determined based on counties that had the most significant drop in vegetable farm acreage between 2007 and 2012. The *non-parametric* models, both the full and condensed, found essentially no difference between 2012 and 2016 vote differences. We hypothesized that those highly correlated variables raised by our Random Forest *treatment discovery process* would show a causal effect on the synthetic control county. Our hypothesis was neither proven nor disproven, but rather the results introduced new questions due to difference in results from our *parametric* and *non-parametric* models.

The difference in the results of the *parametric* and *non-parametric* methods was intriguing. The full and condensed *parametric* models showed a significant treatment effect of the decrease in vegetable farm acreage. This difference in model output raised many questions. The *parametric* models could be suffering from omitted variable bias. The decrease in vegetable farm acreage could be a proxy for poverty or population density. This would indicate the predictor variables used need to be assessed for the algorithm. While this may not be the most exciting outcome of our approach, it does demonstrate how parallel causal modeling processes offer further insight and evidence when making causal inferences.

# 6.2 WIC Women Participation Treatment

First our WIC Women variable explored was a treatment that was determined as counties that had the greatest drop in percent change of women enrolled in WIC benefits between 2014 and 2016. Differently stated, a lower enrollment of women in the WIC government program.

There is an overall trend for the failure of the synthetic control model properly building a strong synthetic control county was depicted through the results. As shown in **Fig 21** through **Fig 24** we see the starting point of the synthetic control model differ between counties. In further analysis we see our estimators between the synthetic and control counties deviate from each other. These differences in estimators can be found in **Table 13**, and appendix **Fig 9.23**, **Fig 9.24**.

This result means the data suggests that of the 25% quantile group of donor counties were fundamentally different than the other 75% estimator values and resulting different graph starting points of the synthetic control and treated counties. The characteristics of the treatment county are outside the support of the donor units and therefore more investigation would need to be placed into why the quantiles of counties are so fundamentally different they could not power a true synthetic control method.

# 6.3 Ethics

From an ethical perspective there is a lot of ground to lose if machine learning algorithms are incorrect. Bias can be encoded in machine learning algorithms easily and extreme scaling of harmful outcomes. Similar biases can be propagated and coded into causal inference analysis. Causal inference especially offers causal explanations to behavior that can quickly fall to biases and stereotypical thought patterns if not rigorously defended against.

There could be a bad selection of weighted variables to build a counterfactual county. This is problematic, if the variables determined to properly mirror an observed county are incorrect a full class of individuals could be left out of the model. These peoples could effectively be a true indication of why the county would or would not deviate from the predicted causal reasoning. For these reasons all machine learning efforts must be created by and reviewed by persons of diverse and informed backgrounds. In particular, the research could argue those individuals who are performing the research should consistently include those individuals from the studied area, in order to capture those experiences that could eventually determine the outcome of a study. A good example study area where this would be an extreme and hurtful bias is in the evaluation of health policy. With the missing proper evaluation for all ethnic backgrounds, it could be devastating in the evaluation of useful health policies for providers, such as the synthetic control study performed on incentives provided to health care providers in the United Kingdom [24].

Another opportunity for there to be ethical disparities is if any research group decides to turn this methodology into an unsupervised learning scenario. As more machine learning becomes self-automated, it can move into dangerous territory as companies and groups prefer to have less manpower to accomplish more. In the case of synthetic causal modeling, the secondary societal metrics being collected needs to have human intervention. Without a true understanding of the secondary metrics are those of importance, there can be a divergence calculated that technically could not truly impact the results being studied.

# 7 Future Research

The integration of techniques from multiple disciplines offers difficulties and opportunities. Theoretically these combinations offer insights and scientific advancement that is more than the sum of their parts. An advantage of machine learning techniques is they offer efficient modeling practices. These procedures can introduce new dimensionality and potentially approach larger magnitudes of problems that otherwise were untouched. Econometrics and other social sciences offer a formal causal modeling framework that could potentially enjoyed unlimited growth when incorporating machine learning techniques. There are limitations for the machine learning algorithms as well. Traditional machine learning practices operating with no parametric guidelines have limited ability to be used to make causal determinations. Algorithms with little to no oversight of coding would also introduce bias and would be ethically questionable. Overall, this intersection that we have explored in our research offers rich opportunities in future causal research in any domain when properly executed with individuals of deep domain knowledge.

While our results did not point to significantly causal results with the selected treatments, there is opportunity for future research and usage of the *treatment discovery processes* outlined here. There are still opportunities for exploration in other dimensions of our question of interest where other causal factors could be discovered and measured in political choice and results.

Given the opportunity for future researchers we recognize the way we obtained our variables of importance may have an opportunity for improvement. The WIC women and vegetable farm acreage variables were used in the Random Forest alongside other variables of food safety without the predictor variables used for the synthetic control county construction. Given the opportunity to further study this *treatment discovery process* we would include those predictor variables within the potential treatment variable discovery to see if different, the same, or additional variables are raised in importance. This need for the adjustment of our process shows that a deeper understanding of data allows researchers to potentially identify areas of improvement allows those methods to evolve.

For future researchers we would proposition the analysis of secondary cultural factors for evaluation. The data we were able to surface for this study revolved around food safety for families as well as farming acreage. These data were easily attainable and mutable for analysis in the given time frame of this research project. Ideally this research would begin to branch out into those lesser explored areas of causality. In discussion some of the potential treatment effects we would have like to assess were:

- Positive sentiment news stories by candidate
- Negative sentiment news stories by candidate
- Trend analysis: raising trends both liberal and conservative among the populace during the voting period during each election cycle

- Difference in house of worship distribution
- Difference in house of worship attendance
- Difference in types of houses of worship
- Unintentionally information flow
- Difference in online data application activity
- Difference in pornography website volume

Future social and political science research can benefit from this specific line of questioning in causal inference. Incorporating machine learning techniques into traditional frameworks can allow for execution of larger and unexplored datasets. This could result in a deeper causal understanding of patterns we observe in the real world.

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# 9 Appendix

# Fig 9.1. Summary Values for All Chosen Variables in ACS 2012

	count	mean	std	min	25%	50%	75%	max
Year	3109.0	2012.000000	0.000000	2012.000000	2012.000000	2012.000000	2012.000000	2012.000000
Total population	3109.0	50.065518	28.957378	0.062093	24.961192	49.860292	75.318224	100.000000
Female	3109.0	50.039207	2.314027	23.529412	49.569487	50.474077	51.174593	57.668094
Median age years	3109.0	50.813853	28.799032	0.031046	26.404843	51.598882	75.923626	100.000000
One race_White	3109.0	84.281859	16.147654	3.551853	77.738316	90.645448	95.932794	100.000000
One race_Black or African American	3109.0	9.059290	14.620592	0.000000	0.543057	2.122833	10.438269	86.193982
One race_American Indian and Alaska Native	3109.0	1.587135	6.406432	0.000000	0.152860	0.321896	0.761138	95.673463
One race_Asian_Asian Indian	3109.0	0.212118	0.585874	0.000000	0.000000	0.026505	0.196772	13.080225
One race_Asian_Chinese	3109.0	0.212593	0.661023	0.000000	0.000000	0.056338	0.211042	21.157034
One race_Asian_Filipino	3109.0	0.172613	0.455493	0.000000	0.000000	0.063206	0.180203	10.088385
One race_Asian_Other Asian	3109.0	0.286277	0.553905	0.000000	0.013487	0.123719	0.331520	10.122160
One race_Native Hawaiian and Other Pacific Islander	3109.0	0.055396	0.140401	0.000000	0.000000	0.000000	0.049235	2.060699
One race_Some other race	3109.0	1.994530	3.410266	0.000000	0.262342	0.767389	2.162499	35.211243
Two or more races_White and Black or African American	3109.0	0.449377	0.400845	0.000000	0.161360	0.363954	0.642758	3.748782
Two or more races_White and American Indian and Alaska Native	3109.0	0.805091	1.402392	0.000000	0.261679	0.448398	0.817012	21.065546
Iwo or more races_white and Asian	3109.0	0.212092	0.280321	0.000000	0.011696	0.129543	0.304178	3.486185
Two or more races_Black or African American and American Indian and Alaska Native	3109.0	0.057634	0.119635	0.000000	0.000000	0.007517	0.063337	1.790900
Hispanic or Latino or any race	3109.0	8.332597	13.310049	0.000000	1.592868	3.288541	8.319/92	98.324628
	coun	t mean	n s	td min	1 251	50%	75%	max
Hispanic or Latino of any race_Mexican	3109.	0 6.37156	1 11.8716	39 0.00000	0.931016	2.023187	5.575384	96.506357
Hispanic or Latino of any race_Puerto Rican	3109.	0 0.45424	0 1.2123	96 0.00000	0.018362	0.160308	0.408517	25.997320
Hispanic or Latino of any race_Cuban	3109.	0 0.12068	9 0.7115	77 0.00000	0.000000	0.021835	0.102438	33.950663
_Total housing units	3109.	0 50.19026	2 28.9534	71 0.03104	6 25.023285	50.170754	75.411363	100.000000
In labor force_Civilian labor force_Employed	3109.	0 90.93580	1 4.2963	72 29.90028	88.834476	91.384839	93.627216	100.000000
In labor force_Civilian labor force_Unemployed	3109.	0 8.57577	3 3.7185	11 0.00000	6.116146	8.310351	10.660943	26.798561
In labor force_Armed Forces	3109.	0 0.48842	6 2.2457	62 0.00000	0.000000	0.092851	0.246923	66.422562
Females 16 years and over	3109.	0 50.39542	0 2.7379	18 23.52941	2 49.828307	50.934421	51.735179	59.943921
_COMMUTING TO WORK_Car, truck, or van drove alone	3109.	0 78.48569	8 6.8530	93 6.74550	5 75.893283	79.720789	82.742668	93.922652
_COMMUTING TO WORK_Car, truck, or van carpooled	3109.	0 10.97829	0 2.9374	B1 0.00000	9.023747	10.562284	12.564767	28.687415
_COMMUTING TO WORK_Public transportation excluding taxicab	3109.	0 0.96016	6 3.0341	82 0.00000	0.119159	0.352496	0.783761	60.820502
_COMMUTING TO WORK_Walked	3109.	0 3.17218	6 2.6907	75 0.00000	1.489943	2.431681	4.023439	36.403509
_COMMUTING TO WORK_Worked at home	3109.	0 4.84994	6 3.4097	23 0.00000	2.820922	4.027637	5.836331	49.184149
_COMMUTING TO WORK_Mean travel time to work minutes	3109.	0 49.76475	1 28.5078	16 0.37255	5 25.333747	49.565352	74.200559	99.984477
_OCCUPATION_Management, business, science, and arts occupations	3109.	0 30.47858	7 6.4195	37 11.79554	4 26.077412	29.454637	33.744380	68.077263
_OCCUPATION_Service occupations	3109.	0 18.07816	8 3.6019	89 4.90566	15.750025	17.797310	19.905116	38.431201
_OCCUPATION_Sales and office occupations	3109.	0 22.61339	5 3.3646	4.95867	3 20.600222	22.874219	24.918874	50.769231
_OCCUPATION_Natural resources, construction, and maintenance occupation	s 3109.	0 13.09319	5 4.2889	95 1.89304	3 10.208350	12.546125	15.277520	45.510836
_OCCUPATION_Production, transportation, and material moving occupations	3109.	0 15.73665	5 5.7407	16 1.50398	1 11.451049	15.367593	19.456067	36.016614
_INDUSTRY_Agriculture, forestry, fishing and hunting, and mining	3109.	0 6.91063	6 7.4808	98 0.00000	0 1.806188	4.251701	9.163491	58.888889

		coun	t mean	std	min	25%	50%	75%	max
Rural		3109	0 59.392786	31.491297	0.000000	34.388606	60.586481	88.514983	100.000000
Male_Ed_Less_Than	_High_Scho	ol 3109	0 17.706686	7.584531	1.964286	12.026709	16.300362	22.447796	51.865972
Male_Ed_High_Scho	ol_Graduate	d 3109	0 36.352158	7.504847	6.632099	31.497441	36.771982	41.559774	89.221538
Male_Ed_Some_College	_Or_Associ	ates 3109	0 28.844741	6.056629	6.200000	24.938334	28.903517	32.679759	60.284499
Male_Ed_Bachelors_De	gree_Or_Hi	gher 3109	0 17.097273	8.326187	0.000000	11.357221	15.091880	20.688418	72.687695
Female_Ed_Less_That	n_High_Sch	ool 3109	0 14.810213	6.371883	1.922581	10.089908	13.654927	18.813798	51.327625
Female_Ed_High_Sch	ool_Graduat	ed 3109	0 33.495045	6.616384	9.179900	29.225231	33.744238	38.018666	54.002257
Female_Ed_Some_Colleg	ge_Or_Asso	ciates 3109	0 33.249926	5.597143	10.925213	29.563609	33.164837	36.942686	62.985394
Female_Ed_Bachelors_D	egree_Or_H	igher 3109	0 18.444925	7.615386	2.633333	13.278661	16.746257	21.438976	68.971586
total_votes	s_x	3109	0 56.684154	9.887080	16.995551	50.226452	56.730796	63.415240	116.926070
republican_vote_	percent_x	3109	0 59.611089	14.834035	5.977742	50.304195	60.781381	70.288066	95.862069
democrat_vote_p	percent_x	3109	0 38.410974	14.707971	3.448276	27.745525	37.128713	47.387068	93.386328
Age_0_To	_9	3109	0 12.502348	2.244478	0.000000	11.159576	12.414445	13.688474	24.014005
Age_10_To	_19	3109	0 13.564177	1.908183	0.000000	12.526333	13.570523	14.572389	25.152928
Age_20_To	_24	3109	0 6.153913	2.569809	0.284900	4.881619	5.681682	6.733080	32.503577
Age_25_To	_44	3109	0 23.716259	3.305583	9.544160	21.800766	23.671006	25.507385	45.882353
Age_45_To	_64	3109	0 27.964116	3.267008	9.633297	26.305184	28.038098	29.627282	55.066079
Age_65_To	_44	3109	0 16.099186	4.216332	4.078208	13.283208	15.711961	18.369839	44.515068
Income_0k_	_25k	3109	0 28.178297	8.245969	4.910984	22.622070	27.576792	33.284438	60.202840
Income_25k	_50k count	3109. <b>mean</b>	0 27.115286 std	4.035337 <b>mi</b> 1	9.231729 <b>n</b>	25.000000 <b>25</b> %	27.481931 <b>50</b> %	29.617834 <b>75</b> %	47.297297 <b>max</b>
Income_50k_75k	3109.0	18.774269	2.939429	7.01914	3 16.975	780 18.8	17034 20	0.668693	30.781628
Income_75k_100k	3109.0	11.412082	2.840310	0.00000	0 9.546	821 11.4	400111 13	3.317619	25.242718
Income_100k_200k	3109.0	12.276346	5.708010	1.73646	6 8.478	134 11.0	63522 14	4.466450	41.665147
Income_Over_200k	3109.0	2.243720	2.158909	0.00000	0 1.071	811 1.6	77327	2.615341	23.244801
vote_diff_rep	3109.0	2.778438	3.355790	-10.29399	2 0.677	180 2.5	39924	4.699311	28.372146

Fig 9.2. Summary Values for All Chosen Variables in ACS 2016

	count	mean	std	min	25%	50%	75%	max
Year	3108.0	2016.000000	0.000000	2016.000000	2016.000000	2016.000000	2016.000000	2016.000000
Total population	3108.0	50.090330	28.965307	0.031056	24.961180	49.891304	75.318323	100.000000
Female	3108.0	49.976580	2.334395	21.513413	49.486519	50.430200	51.134737	58.499127
Median age years	3108.0	50.532157	28.986580	0.031056	25.108696	51.335404	75.714286	100.000000
One race_White	3108.0	83.766061	16.246553	4.641380	77.568707	90.133737	95.443898	100.000000
One race_Black or African American	3108.0	9.099714	14.568730	0.000000	0.627744	2.267671	10.397394	86.184910
One race_American Indian and Alaska Native	3108.0	1.644130	6.515314	0.000000	0.158501	0.340383	0.770121	93.037930
One race_Asian_Asian Indian	3108.0	0.244126	0.675371	0.000000	0.000000	0.043587	0.216560	14.739641
One race_Asian_Chinese	3108.0	0.246169	0.722377	0.000000	0.000000	0.073735	0.241226	21.213198
One race_Asian_Filipino	3108.0	0.194113	0.469310	0.000000	0.000000	0.086223	0.212371	10.388598
One race_Asian_Other Asian	3108.0	0.291687	0.561805	0.000000	0.019304	0.134748	0.332921	10.445273
One race_Native Hawaiian and Other Pacific Islander	3108.0	0.066657	0.177074	0.000000	0.000000	0.010770	0.059456	3.541578
One race_Some other race	3108.0	2.030541	3.777454	0.000000	0.286695	0.826958	2.221478	52.085506
Two or more races_White and Black or African American	3108.0	0.576477	0.489092	0.000000	0.229692	0.481852	0.799457	5.957447
Two or more races_White and American Indian and Alaska Native	3108.0	0.821648	1.302500	0.000000	0.280891	0.483066	0.868716	17.800504
Two or more races_White and Asian	3108.0	0.255618	0.308558	0.000000	0.037113	0.169577	0.359937	2.442845
Two or more races_Black or African American and American Indian and Alaska Native	3108.0	0.063141	0.136495	0.000000	0.000000	0.010947	0.069993	2.091978
Hispanic or Latino of any race	3108.0	8.984731	13.663319	0.000000	1.936969	3.819822	9.095675	98.958862

	coun	t mean	n st	d mir	1 25	58	50%	75%	max
Hispanic or Latino of any race_Mexican	3108.	0 6.75868	12.16889	6 0.00000	1.1085	60 2.294	631 6.0	03359	96.275076
Hispanic or Latino of any race_Puerto Rican	3108.	0 0.51704	5 1.31232	0.00000	0.0459	13 0.202	581 0.4	75042	30.462685
Hispanic or Latino of any race_Cuban	3108.	0 0.14763	0.76804	9 0.00000	0.0000	0 0.037	454 0.1	32094	35.668015
Total housing units	3108	0 50.15772	3 28.95532	8 0.031056	3 25.0232	92 50.170	807 75.4	11491	100.000000
In labor force, Civilian labor force, Employed	3108	0 92 53789	3 9069	1 31 884652	2 90 8884	44 93 037	268 94 8	50077	100.000000
	0100.	0 32.00700	0.0000	0.0004032		••• 55.057	200 34.0	05540	00.000000
In labor force_civilian labor force_onemployed	3108.	0 7.03617	3.23200	0.000000	J 4.9241:	0.744	013 0.7	05519	29.927415
In labor force_Armed Forces	3108.	0 0.42593	1 2.15364	2 0.000000	0.0000	00 0.054	909 0.1	75178	62.060954
Females 16 years and over	3108.	0 50.28986	2 2.76016	1 21.132898	49.7544	10 50.840	689 51.6	88659	59.894268
_COMMUTING TO WORK_Car, truck, or van drove alone	3108.	0 79.58808	6.73812	6.036683	3 77.0808	00 80.862	281 83.8	09381	93.296089
_COMMUTING TO WORK_Car, truck, or van carpooled	3108.	0 10.12634	1 2.90132	.000000	8.2594	9.742	070 11.5	22824	30.372149
_COMMUTING TO WORK_Public transportation excluding taxicab	3108.	0 0.94811	3.10246	0.00000	0.1091	94 0.332	519 0.7	68072	61.760340
_COMMUTING TO WORK_Walked	3108.	0 3.07455	7 2.82353	0.00000	1.3809	62 2.289	131 3.8	57370	36.912114
COMMUTING TO WORK Worked at home	3108.	0 4.72438	3 3,13672	0.00000	2.8485	63 4.049	143 5.6	79657	39.858491
COMMUTING TO WORK Mean travel time to work minutes	3108	0 49 79305	28 5150	0 496894	1 25 3105	59 49 798	137 74 2	08075	100.000000
OCCUPATION Management business science and arts occupations	2109	0 21 24466	6 49516	12 256796	5 26 0122	10.100	000 24.6	70577	60 474005
_OCCOPATION_management, business, science, and arts occupations	3108.	0 31.24400	9 0.46510	13.250705	20.91220	30.100	000 34.6	5 1000	09.474095
_OCCUPATION_Service occupations	3108.	0 18.19145	3.61262	4.850746	15.8956	/3 17.851	/16 20.1	54363	37.716263
_OCCUPATION_Sales and office occupations	3108.	0 21.97791	3.06849	5 7.619048	3 20.0603	68 22.208	932 24.0	66825	33.876074
_OCCUPATION_Natural resources, construction, and maintenance occupation	<b>is</b> 3108.	0 12.66460	4.17872	2.046332	9.7943	66 12.180	084 14.7	93660	34.756098
_OCCUPATION_Production, transportation, and material moving occupations	\$ 3108.	0 15.92135	5 5.75910	0.000000	11.5953	25 15.591	570 19.5	72387	48.717949
_INDUSTRY_Agriculture, forestry, fishing and hunting, and mining	3108.	0 6.89373	7.44869	0.000000	1.8734	97 4.310	136 9.1	76218	59.294118
		coun	t mean	a std	min	25%	501	751	max
_INDUSTRY_Construction		3108	0 7.166198	2.300678	0.000000	5.635287	6.865270	8.374516	3 22.522523
_INDUSTRY_Manufacturing		3108	0 12.320618	7.106180	0.000000	6.843021	11.519170	16.746861	48.258305
_INDUSTRY_Wholesale trade		3108	0 2.39448	1.196795	0.000000	1.683648	2.291548	3.00075	20.507000
_INDUSTRY_Retail trade		3108	0 11.41635	2.381784	1.219512	10.081634	11.489678	12.781562	30.923981
_INDUSTRY_Transportation and warehousing, and utilities		3108	0 5.414097	1.963942	0.000000	4.116361	5.104231	6.409551	22.548506
_INDUSTRY_Information		3108	0 1.40633	0.818905	0.000000	0.896356	1.320537	1.785265	5 15.751295
_INDUSTRY_Finance and insurance, and real estate and rental and leasing	g	3108	0 4.589047	1.875342	0.000000	3.413296	4.286497	5.441110	20.631673
_INDUSTRY_Professional, scientific, and management, and administrative and waste man	agement s	ervices 3108	0 6.789393	3.274214	0.000000	4.648558	6.188017	8.289206	57.362100
_INDUSTRY_Educational services, and health care and social assistance		3108	0 23.113720	4.577212	2.564103	20.220674	22.818543	25.738396	45.549707
_INDUSTRY_Arts, entertainment, and recreation, and accommodation and food t	services	3108	0 8.24240	3.564859	0.000000	6.054242	7.840737	9.6/1/18	3 34.937739
_INDUSTRT_Other services, except public administration		3108	0 4.695093	2 000585	0.000000	4.030880	4.070182	5.310135	3 13.249870
CLASS OF WORKER Private ware and salary workers		3108	0 74 99736	7 406059	29.805886	71 475869	76 312257	80 119343	88 546314
CLASS OF WORKER Government workers		3108	0 16.89783	6.025621	5.633803	12.803285	15.605660	19,70921	65.435191
CLASS OF WORKER Self-employed in own not incorporated business wor	kers	3108	0 7.81678	3.845571	0.000000	5.295367	6.787230	9.203222	37.681159
CLASS OF WORKER_Unpaid family workers		3108	0 0.288029	0.461683	0.000000	0.088525	0.174646	0.329644	9.674134
Total households		3108	0 50.20193	8 28.942872	0.031056	24.992236	50.139752	75.411491	100.000000
With earnings_Mean earnings dollars		3108	0 50.919856	8 28.129521	1.770186	26.638199	50.822981	75.163043	3 100.000000
With Social Security		3108	0 36.32964	7.180961	13.159959	31.978028	36.381550	40.782910	76.753373
With Social Security_Mean Social Security income dollars		3108	0 51.490024	28.090027	0.124224	27.290373	51.529503	75.791925	5 100.000000
	count	mean	std	min	25	۱	50%	75%	max
Year	3108.0	2016.000000	0.000000	2016.000000	2016.00000	2016.000	000 2016	000000	2016.000000
Total population	3108.0	50.090330	28.965307	0.031056	24.96118	49.891	304 75	.318323	100.000000
Female	3108.0	49.976580	2.334395	21.513413	49.48651	9 50.430	200 51	134737	58.499127
Median age years	3108.0	50.532157	28.986580	0.031056	25.10869	5 51.335	404 75	714286	100.000000
One race_White	3108.0	83.766061	16.246553	4.641380	77.56870	7 90.133	737 95	443898	100.000000
One race_Black or African American	3108.0	9.099714	14.568730	0.000000	0.62774	4 2.267	671 10	.397394	86.184910
One race_American Indian and Alaska Native	3108.0	1.644130	6.515314	0.000000	0.15850	1 0.340	383 0	770121	93.037930
One race_Asian_Asian Indian	3108.0	0.244126	0.675371	0.000000	0.00000	0.043	587 0	216560	14.739641
One race_Asian_Chinese	3108.0	0.246169	0.722377	0.000000	0.00000	0.073	735 0	241226	21.213198
One race_Asian_Filipino	3108.0	0.194113	0.469310	0.000000	0.00000	0.086	223 0	212371	10.388598
One race_Asian_Other Asian	3108.0	0.291687	0.561805	0.000000	0.01930	4 0.134	748 0	.332921	10.445273
One race_Native Hawaiian and Other Pacific Islander	3108.0	0.066657	0.177074	0.000000	0.00000	0.010	770 0	059456	3.541578
One race_Some other race	3108.0	2.030541	3.777454	0.000000	0.28669	5 0.826	958 2	.221478	52.085506
Two or more races_White and Black or African American	3108.0	0.576477	0.489092	0.000000	0.229693	2 0.481	852 0	799457	5.957447
Two or more races_White and American Indian and Alaska Native	3108.0	0.821648	1.302500	0.000000	0.28089	1 0.483	066 0	868716	17.800504
Two or more races_White and Asian	3108.0	0.255618	0.308558	0.000000	0.03711	3 0.169	577 0	.359937	2.442845
Two or more races_Black or African American and American Indian and Alaska Native	3108.0	0.063141	0.136495	0.000000	0.00000	0.010	947 0	069993	2.091978
Hispanic or Latino of any race	3108.0	8.984731	13.663319	0.000000	1.93696	3.819	822 9	095675	98.958862

		count		iean	st	d m	in :	25%	50%	75%	max
Hispanic or Latino of any race_Mexican		3108.0	6.758	8686	12.16889	6 0.0000	00 1.108	560 2.29	94631 6	.003359	96.275076
Hispanic or Latino of any race_Puerto Rican		3108.0	0.517	7045	1.31232	0.0000	00 0.045	913 0.20	2581 0	.475042	30.462685
Hispanic or Latino of any race_Cuban		3108.0	0.147	7631	0.76804	9 0.0000	0.000	000 0.00	37454 0	.132094	35.668015
_Total housing units		3108.0	50.157	7728	28.95532	B 0.0310	56 25.023	292 50.17	70807 75	5.411491	100.000000
In labor force_Civilian labor force_Employed		3108.0	92.537	7896	3.90691	1 31.8846	52 90.888	444 93.03	37268 94	.850077	100.000000
In labor force_Civilian labor force_Unemployed		3108.0	7.036	6170	3.23208	1 0.0000	00 4.924	154 6.74	14613 8	.705519	29.927415
In labor force_Armed Forces		3108.0	0.425	5934	2.15364	2 0.0000	0.000	0.00 0.05	54909 0	.175178	62.060954
Females 16 years and over		3108.0	50.289	9862	2.76016	1 21.1328	98 49.754	410 50.84	10689 51	.688659	59.894268
_COMMUTING TO WORK_Car, truck, or van drove alone		3108.0	79.588	8086	6.73812	6 6.0366	83 77.080	800 80.80	62281 83	.809381	93.296089
_COMMUTING TO WORK_Car, truck, or van carpooled		3108.0	10.126	6344	2.90132	5 0.0000	00 8.259	401 9.74	2070 11	.522824	30.372149
_COMMUTING TO WORK_Public transportation excluding taxica	ab	3108.0	0.94	8113	3.10246	0.0000	0.109	194 0.33	32519 0	.768072	61.760340
_COMMUTING TO WORK_Walked		3108.0	3.074	4557	2.82353	7 0.0000	00 1.380	962 2.28	39131 3	.857370	36.912114
_COMMUTING TO WORK_Worked at home		3108.0	4.724	4383	3.13672	0.0000	00 2.848	563 4.04	19143 5	.679657	39.858491
_COMMUTING TO WORK_Mean travel time to work minutes		3108.0	49.793	3051	28.51509	9 0.4968	94 25.310	559 49.79	8137 74	.208075	100.000000
_OCCUPATION_Management, business, science, and arts occupat	ions	3108.0	31.244	4669	6.48516	8 13.2567	85 26.912	203 30.16	6000 34	.670577	69.474095
OCCUPATION Service occupations		3108.0	18.19	1459	3.61262	5 4.8507	46 15.895	673 17.8	51716 20	.154363	37.716263
OCCUPATION Sales and office occupations		3108.0	21.97	7911	3.06849	5 7.6190	48 20.060	368 22.20	8932 24	.066825	33.876074
OCCUPATION Natural resources, construction, and maintenance occ	upations	3108.0	12.664	4606	4.17872	2 2.0463	32 9.794	366 12.18	30084 14	793660	34,756098
OCCUPATION Production transportation and material moving occu	nations	3108.0	15.92	1355	5 75910	B 0.0000	00 11 595	325 15.59	91570 19	572387	48 717949
INDUSTRY Agriculture forestry fishing and hunting and mini	na	3108.0	6.89	3730	7 44869	4 0.0000	0 1873	497 4.3	0136	176218	59 294118
	9	0100.0	0.000					-07 -1.0			
INDUSTRY Construction			3	108.0	7.166198	2.300678	0.000000	5.635287	6.865270	8.37451	6 22.522523
_INDUSTRY_Manufacturing			3	108.0	12.320618	7.106180	0.000000	6.843021	11.519170	16.74686	1 48.258305
_INDUSTRY_Wholesale trade			3	108.0	2.394488	1.196795	0.000000	1.683648	2.291548	3.00075	1 20.507000
_INDUSTRY_Retail trade			3	108.0	11.416354	2.381784	1.219512	10.081634	11.489678	12.78156	2 30.923981
_INDUSTRY_Transportation and warehousing, and utilitie	s		3	108.0	5.414097	1.963942	0.000000	4.116361	5.104231	6.40955	1 22.548506
_INDUSTRY_Information			3	108.0	1.406335	0.818905	0.000000	0.896356	1.320537	1.78526	5 15.751295
_INDUSTRY_Finance and insurance, and real estate and rental an	id leasing	amant ean	3	108.0	4.589047	1.875342	0.000000	3.413296	4.286497	5.44111 8.28020	0 20.631673 6 57.362100
INDUSTRY Educational services, and health care and social as	sistance	ement serv	3	108.0	23.113720	4.577212	2.564103	20.220674	22.818543	25.73839	6 45.549707
	nd food ser	vices	3	108.0	8.242406	3.564859	0.000000	6.054242	7.840737	9.67171	8 34.937739
_INDUSTRY_Other services, except public administration	n		3	108.0	4.695095	1.243321	0.000000	4.036880	4.676182	5.31613	9 13.249870
_INDUSTRY_Public administration			3	108.0	5.558520	3.090585	0.000000	3.554408	4.734060	6.62123	4 33.956214
_CLASS OF WORKER_Private wage and salary workers			3	108.0	74.997360	7.406059	29.805886	71.475869	76.312257	80.11934	2 88.546314
_CLASS OF WORKER_Government workers			3	108.0	16.897831	6.025621	5.633803	12.803285	15.605660	19.70921	1 65.435191
_CLASS OF WORKER_Self-employed in own not incorporated busin	less workel	rs	3	108.0	0.288029	3.845571	0.000000	5.295367	0.174646	0.32964	2 37.681159 4 9.674134
Total households			3	108.0	50.201933	28.942872	0.031056	24.992236	50.139752	75.41149	1 100.000000
With earnings_Mean earnings dollars			3	108.0	50.919856	28.129521	1.770186	26.638199	50.822981	75.16304	3 100.000000
With Social Security			3	108.0	36.329642	7.180961	13.159959	31.978028	36.381550	40.78291	0 76.753373
With Social Security_Mean Social Security income dollar	8		3	108.0	51.490024	28.090027	0.124224	27.290373	51.529503	75.79192	5 100.000000
	count	me	ean		std	min	25%	5	٥%	75%	max
With retirement income	3108.0	19.873	649	5.081	924 4	.637097	16.433111	19.7187	50 23.	12050	51.659171
With Supplemental Security Income	3108.0	6.021	158	2,910	518 0	000000	4.104937	5.4877	97 7.4	49072	25,289751
With cash public assistance income	2109.0	2 4 2 4	207	1 662	752 0	000000	1 491040	0.1406	05 20	05456	20 650407
With Food Otoms (ONAD bone fits in the post 10 months	0100.0	14.000	454	0.500	.,	.000000	0.000540	10.070	40 47 6	00175	54.700005
with Food Stamp/SNAP benefits in the past 12 months	3108.0	14.080	154	6.599	0 0886	.000000	9.339510	13.2724	49 17.8	09175	54.706685
Families	3108.0	66.947	556	5.314	892 41	.341943	63.893527	67.0014	50 70.2	269850	89.054888
Median family income dollars	3108.0	50.937	198 2	28.061	911 1	.708075	26.669255	50.8850	93 75.1	63043	100.000000
Mean family income dollars	3108.0	50.941	664 2	28.116	893 2	.111801	26.607143	50.8540	37 75.2	256211	100.000000
Per capita income dollars	3108.0	50.931	682 2	28.069	041 1	.180124	26.669255	50.9161	49 75.1	00932	100.000000
Nonfamily households	3108.0	33.052	444	5.314	892 10	.945112	29.730150	32.9985	50 36.1	06473	58.658057
Median nonfamily income dollars	3108.0	50.821	817 2	28.013	630 1	.024845	26.638199	50,7608	70 74.9	76708	100.000000
Mean nonfamily income dollars	3108.0	50.784	676 2	8.044	456 1	242236	26.576087	50,7298	14 74.9	45652	100.000000
Medien corningo for mole full time, year round workers dellars	2109.0	50.004	050 0	00.001	000 0	049447	06 629100	50,8000	01 75 1	00022	100.000000
wedian earnings for male full-time, year-round workers dollars	3108.0	50.904	200 2	20.001	236 0	.240447	20.030199	50.6228	101 75.	00932	100.000000
Civilian noninstitutionalized population	3108.0	97.389	917	4.293	1/25 40	.677966	97.802252	98.7231	98 99.1	31255	100.000000
With health insurance coverage_With private health insurance	3108.0	64.806	318 1	10.623	8244 16	.069924	57.857531	65.6182	206 72.5	93820	92.855030
With health insurance coverage_With public coverage	3108.0	37.193	269	8.150	165 12	.126551	31.429374	37.2639	63 42.6	617758	66.281233
No health insurance coverage	3108.0	12.179	171	5.107	413 2	.117647	8.367037	11.5262	21 14.9	65648	46.588694
Civilian noninstitutionalized population under 18 years	3108.0	23.112	658	3.431	108 4	.527559	21.066602	23.1005	26 24.8	807754	40.428944
Civilian noninstitutionalized population 18 to 64 years	3108.0	59.444	242	3.531	680 34	.563462	57.489004	59.4151	99 61.2	250867	80.809560
Urban Inside urbanized areas	3107.0	18.552	085	33,380	0554 0	.000000	0.000000	0.000	00 17	766511	100.000000
Lizban Incide urban eluctore	3107.0	22.042	774	22 /140	761 0	000000	0.000000	16.0704	20 20 2	34479	100.000000
Urban inside urban clusters	3107.0	22.043	114 2	J.418	0 101	.000000	0.000000	10.0701	20 39.5	r≤44/8	100.000000

		count	t mean	std	min	25%	50%	75%	max
Rural		3107.0	59.404142	31.482554	0.000000	34.392289	60.586481	88.558939	100.000000
Male_Ed_Less_Than	_High_Scho	<b>bol</b> 3108.0	15.948527	6.975557	1.111111	10.800625	14.552238	20.274057	50.281849
Male_Ed_High_Scho	ol_Graduat	ed 3108.0	36.442293	7.547222	7.236160	31.568916	36.902738	41.747020	60.693241
Male_Ed_Some_College	e_Or_Asso	ciates 3108.0	29.722453	5.811019	11.573808	25.877531	29.794692	33.587134	53.415608
Male_Ed_Bachelors_De	egree_Or_H	igher 3108.0	17.886727	8.655733	0.000000	11.918429	15.862272	21.708548	76.591333
Female_Ed_Less_Tha	n_High_Scl	hool 3108.0	13.080930	5.869935	0.564972	8.758816	12.034888	16.558674	51.546392
Female_Ed_High_Sch	ool_Gradua	ated 3108.0	32.771139	6.689920	7.679527	28.428676	32.957080	37.402070	54.075032
Female_Ed_Some_Colleg	ge_Or_Asso	ociates 3108.0	34.002740	5.310347	11.477869	30.444959	33.872790	37.491654	57.626997
Female_Ed_Bachelors_E	egree_Or_	Higher 3108.0	20.145191	7.968129	5.168326	14.647567	18.410760	23.719977	75.539967
total_vote:	s_x	3107.0	57.506172	9.554425	15.209542	51.333026	57.758748	63.864482	111.889597
republican_vote_	percent_x	3107.0	63.300400	15.648211	4.087474	54.481190	66.353383	74.915475	96.033403
democrat_vote_	percent_x	3107.0	31.479741	15.197088	3.144654	20.332090	28.259529	39.845753	90.863822
Age_0_To	_9	3108.0	0 12.174492	2.230508	0.934205	10.794812	12.077991	13.401651	24.583333
Age_10_To	_19	3108.0	13.007090	1.958203	3.947368	11.914814	12.998952	14.043220	27.330870
Age_20_To	_24	3108.0	6.398442	2.484022	0.405515	5.210778	5.929704	6.805136	32.475839
Age_25_To	_44	3108.0	23.287280	3.297343	8.612848	21.309936	23.168682	25.047386	43.386763
Age_45_To	_64	3108.0	27.500538	3.029633	9.038882	26.010747	27.697522	29.195219	47.368421
Age_65_To	_44	3108.0	0 17.632158	4.448545	3.854570	14.820241	17.279327	19.937507	53.106375
Income_0k	_25k	3108.0	26.789559	8.185129	5.523904	21.082624	26.070178	31.872048	60.076775
Income_25k	_50k	3108.0	26.207193	3.993523	8.108108	24.140980	26.510652	28.737256	41.682510
	count	mean	std	mir	1	25%	50%	75%	max
Income_50k_75k	3108.0	18.538098	2.790145	6.640106	6 16.797	189 18.6	09110 20	0.303623	30.154799
Income_75k_100k	3108.0	11.662783	2.708898	1.255230	9.852	195 11.8	51160 13	3.447357	32.432432
Income_100k_200k	3108.0	13.968941	5.807937	1.855895	5 10.022	502 12.7	58682 16	6.717842	39.819600
Income_Over_200k	3108.0	2.833427	2.555323	0.000000	0 1.394	061 2.1	40400	3.357976	25.315978
vote_diff_rep	3107.0	3.670384	5.720904	-37.618717	7 0.652	689 3.6	66657	7.236847	23.116316

# Fig 9.3. Summary Values for All Chosen Variables in Food Environment Atlas

	count	mean	std	min	25%	50%	75%	max
PCH_LACCESS_POP_10_15	3117.0	7180.008005	395567.600978	-100.000000	-10.913427	-0.062393	7.262080	2.208376e+07
PCH_LACCESS_LOWI_10_15	3115.0	7318.956973	400469.196436	-100.000000	-12.326384	3.486028	23.523422	2.234893e+07
PCH_LACCESS_HHNV_10_15	3129.0	33.050666	788.627219	-100.000000	-14.627232	4.694624	29.002172	4.319128e+04
PCH_LACCESS_SENIORS_10_15	3117.0	2080.536916	110784.762796	-100.000000	-10.898448	-0.015431	7.418184	6.181696e+06
PCH_REDEMP_SNAPS_12_16	2867.0	-19.919135	20.921085	-93.353948	-32.300036	-22.056440	-10.484279	4.059816e+02
PCH_SNAP_12_16	3143.0	-1.809516	1.445719	-4.865687	-2.932261	-1.708690	-1.128421	2.018162e+00
PCH_PC_SNAPBEN_10_15	3060.0	-4.899652	17.036711	-100.000000	-15.514554	-6.486179	3.875548	1.664940e+02
PCH_NSLP_09_15	3143.0	-0.853337	0.336877	-1.696861	-1.044790	-0.839693	-0.665073	5.297228e-01
PCH_SBP_09_15	3143.0	0.686508	0.546517	-0.133973	0.393056	0.650023	0.861912	4.236802e+00
PCH_SFSP_09_15	3143.0	0.094726	0.282311	-1.615046	-0.037384	0.115010	0.268521	8.492898e-01
PCH_PC_WIC_REDEMP_11_16	1808.0	-13.657880	37.025364	-91.425011	-21.788098	-13.089518	-5.098325	1.086538e+03
PCH_REDEMP_WICS_11_16	2983.0	7.153399	361.335418	-100.000000	-25.260587	-9.642964	8.939912	1.758218e+04
PCH_WIC_09_15	3143.0	-0.596962	0.477011	-2.491475	-0.654452	-0.513726	-0.366039	2.725820e-02
PCH_WICINFANTCHILD_14_16	3143.0	-1.760064	0.945662	-5.389021	-2.063717	-1.718969	-1.194306	2.039279e-01
PCH_WICWOMEN_14_16	3143.0	-0.243165	0.110194	-0.508514	-0.341807	-0.223055	-0.166891	-9.067857e-03
PCH_CACFP_12_17	3143.0	0.182121	0.275412	-0.414889	-0.003263	0.105849	0.351365	3.178517e+00
PCH_FDPIR_12_15	3136.0	0.167523	7.547701	-100.000000	0.000000	0.000000	0.000000	1.500000e+02
PCH_RECFAC_11_16	3000.0	1.030283	50.972792	-100.000000	-10.051020	0.000000	9.942748	6.000000e+02
PCH_RECFACPTH_11_16	3000.0	-0.095421	50.007496	-100.000000	-12.143966	0.000000	6.399759	6.264032e+02

		COL	int me	an std	min	25%	50%	75%	max
	PCH_DIRSALES_FARMS_07_12	301	9.0 16.3749	70 87.253374	-100.000000	-22.222222	1.244813	32.158385	1500.000000
	PCH_DIRSALES_07_12	268	4.0 54.2543	56 312.945962	-100.000000	-33.333333	5.228476	64.072719	11584.615380
	PCH_PC_DIRSALES_07_12	268	4.0 52.0604	17 298.835535	-100.000000	-34.627091	4.147232	60.743051	10822.169740
	PCH_FMRKT_09_16	258	7.0 37.5760	40 98.917037	-100.000000	0.000000	0.000000	50.000000	1600.000000
	PCH_FMRKTPTH_09_16	259	2.0 34.1695	79 94.458942	-100.000000	0.000000	0.000000	49.011977	1617.310053
	PCH_VEG_FARMS_07_12	279	3.0 22.9269	82 112.349444	-100.000000	-31.250000	0.000000	40.000000	1800.000000
	PCH_VEG_ACRES_07_12	206	0.0 59.2024	88 520.868530	-100.000000	-29.988167	6.666667	60.494643	22109.090910
	PCH_VEG_ACRESPTH_07_12	224	5.0 -1.4552	43 4.235496	-43.113542	-3.569768	-0.876435	1.284643	13.395686
	PCH_FRESHVEG_FARMS_07_12	277	9.0 23.4958	00 111.786688	-100.000000	-33.333333	0.000000	41.666667	1800.000000
	PCH_FRESHVEG_ACRES_07_12	105	2.0 18.5423	81 136.981782	-100.000000	-43.012120	-6.412130	38.591430	1933.333333
	PCH_FRESHVEG_ACRESPTH_07_	<b>12</b> 105	2.0 16.8244	89 136.162559	-100.000000	-44.936097	-8.756606	35.878513	1888.417050
	PCH_ORCHARD_FARMS_07_12	272	0.0 7.1517	07 82.258592	-100.000000	-35.953125	-8.333333	27.010490	1000.000000
	PCH_ORCHARD_ACRES_07_12	202	1.0 25.0751	02 152.529453	-100.000000	-31.111111	-2.666667	37.751756	3712.500000
	PCH_ORCHARD_ACRESPTH_07_1	<b>2</b> 202	1.0 23.2129	38 152.147979	-100.000000	-33.064346	-4.677203	36.006781	3839.058815
	PCH_BERRY_FARMS_07_12	223	6.0 44.4899	72 135.947625	-100.000000	-32.000000	14.285714	77.77778	1700.000000
	PCH_BERRY_ACRES_07_12	127	3.0 55.5647	51 222.350972	-100.000000	-30.434783	4.317959	66.666667	4400.000000
	PCH_BERRY_ACRESPTH_07_12	127	3.0 51.7126	38 214.445841	-100.000000	-32.889169	3.166085	60.954730	4162.112815
	PCH_SLHOUSE_07_12	297	7.0 -5.4741	54 35.630188	-100.000000	0.000000	0.000000	0.000000	300.000000
	PCH_GHVEG_FARMS_07_12	120	1.0 94.1291	27 201.710230	-100.000000	-25.000000	50.000000	166.666667	1900.000000
	PCH_GHVEG_SQFT_07_12	34	2.0 292.4839	90 1548.392983	-100.000000	5.759483	91.526644	247.556103	27641.176470
	count	me	an s	.+d .	min	25%	50%	75%	max
	count	me				230	300	, 5 0	man
	vote_diff_rep 3107.0 3	6703	84 5.7209	904 -37.618	717 0.652	2689 3.6	66657 7	.236847	23.116316
	vote_diff_rep 3107.0 3	8.6703	84 5.7209	904 -37.618	717 0.652 min	2689 3.6	66657 7 50%	.236847	23.116316
	vote_diff_rep 3107.0 3	6703 count	84 5.7209 mean	904 -37.618 std 395567.600978	717 0.652 min	2689 3.6 25%	66657 7 50%	.236847 75%	23.116316 max 2.208376e+07
	vote_diff_rep 3107.0 3	<b>count</b> 3117.0	84 5.7209 mean 7180.008005 7318.956973	904 -37.618 std 395567.600978 400469.196436	717 0.652 min -100.000000	2689 3.6 25% -10.913427 -12.326384	66657 7 50% -0.062393 3.486028	.236847 75% 7.262080 23.523422	23.116316 max 2.208376e+07 2.234893e+07
	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_HNNV_10_15	<b>count</b> 3117.0 3115.0 3129.0	84 5.7209 mean 7180.008005 7318.956973 33.050666	904 -37.618 std 395567.600978 400469.196436 788.627219	717 0.652 min -100.000000 -100.000000	2689 3.60 25% -10.913427 -12.326384 -14.627232	66657 7 50% -0.062393 3.486028 4.694624	.236847 75% 7.262080 23.523422 29.002172	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04
	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_HHNV_10_15 PCH_LACCESS_SENIORS_10_15	<b>count</b> 3117.0 3115.0 3129.0 3117.0	84 5.7209 mean 7180.008005 7318.956973 33.050666 2080.536916	904 -37.618 std 395567.600978 400469.196436 788.627219 110784 762796	717 0.652 min -100.000000 -100.000000 -100.000000	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448	66657 7 50% -0.062393 3.486028 4.694624 -0.015431	236847 75% 7.262080 23.523422 29.002172 7.418184	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06
,	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_HHNV_10_15 PCH_LACCESS_ENIORS_10_15 PCH_REDEMP_SNAPS 12 16	<b>count</b> 3117.0 3115.0 3129.0 3117.0 2867.0	84 5.7209 mean 7180.008005 7318.956973 33.050666 2080.536916 -19.919135	<b>904</b> -37.618 <b>std</b> 395567.600978 400469.196436 788.627219 110784.762796 20.921085	717 0.652 min -100.000000 -100.000000 -100.000000 -100.000000 -93.353948	2689 3.60 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036	66657 7 50% -0.062393 3.486028 4.694624 -0.015431 -22.056440	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02
	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_HHNV_10_15 PCH_LACCESS_HHNV_10_15 PCH_REDEMP_SNAPS_12_16 PCH_REDEMP_SNAPS_12_16	<b>count</b> 3117.0 3115.0 3129.0 3117.0 2867.0 3143.0	84 5.7209 mean 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1 809516	<b>sta</b> 395567.600978 400469.196436 788.627219 110784.762796 20.921085 1.445719	717 0.652 min -100.000000 -100.000000 -100.000000 -100.000000 -93.353948 -4.865687	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261	66657 7 50% -0.062393 3.486028 4.694624 -0.015431 -22.056440 -1.708690	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1128421	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00
	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_HHNV_10_15 PCH_REDEMP_SNAPS_12_16 PCH_SNAP_12_16 PCH_SNAP_12_16	count 3117.0 3115.0 3129.0 3117.0 2867.0 3143.0 3060.0	84 5.7209 mean 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1.809516 -4.899652	904 -37.618 std 395567.600978 400469.196436 788.627219 110784.762796 20.921085 1.445719 17.036711	min -100.00000 -100.00000 -100.00000 -100.00000 -33.353948 -4.865687 -100.00000	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -15.514554	666657 7 50% -0.062393 3.486028 4.694624 -0.015431 -22.056440 -1.708690 -6.486179	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00 1.664940e+02
8	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_HHNV_10_15 PCH_REDEMP_SNAPS_12_16 PCH_SNAP_12_16 PCH_SNAPBEN_10_15 PCH_NSLP 09 15	<b>count</b> 3117.0 3115.0 3129.0 3117.0 2867.0 3143.0 3060.0 3143.0	<b>84 5.720</b> <b>mean</b> 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1.809516 -4.899652 -0.853337	904 -37.618 sta 395567.600978 400469.196436 788.627219 110784.762796 20.921085 1.445719 17.036771 0.336877	717 0.652 min -100.00000 -100.00000 -100.00000 -33.353948 -4.865687 -100.00000 -1 696861	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -15.514554 -1.044790	66657 7 -0.062393 3.486028 4.694624 -0.015431 -22.056440 -1.708690 -6.486179 -0.839693	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548 -0.665073	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00 1.664940e+02 1.664940e+02
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	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_HHNV_10_15 PCH_REDEMP_SNAPS_12_16 PCH_REDEMP_SNAPS_12_16 PCH_SNAP_12_16 PCH_SNAP_10_15 PCH_NSLP_09_15 PCH_SSP_09_15 PCH_SSP_09_15	<b>count</b> 3117.0 3115.0 3129.0 3117.0 2867.0 3143.0 3060.0 3143.0 3143.0	<b>84</b> 5.7209 <b>mean</b> 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1.809516 -4.899652 -0.853337 0.686508 0.094726	904 -37.618 sta 395567.600978 400469.196436 788.627219 110784.762796 20.921085 1.445719 17.036711 0.336877 0.546517 0.546517	717 0.652 min -100.00000 -100.00000 -100.00000 -33.53948 -4.865687 -100.00000 -1.696861 -0.133973 -1.615046	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -15.514554 -1.044790 0.393056 -0.037384	66657 7 -0.062393 3.486028 4.694624 -0.015431 -22.056440 -1.708690 -6.486179 -0.839693 0.650023 0.115010	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548 -0.665073 0.861912 0.6851912	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00 1.664940e+02 5.297228e-01 4.236802e+00
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3	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_SENIORS_10_15 PCH_REDEMP_SNAPS_12_16 PCH_SNAP_12_16 PCH_PC_SNAPBEN_10_15 PCH_SBP_09_15 PCH_SBP_09_15 PCH_PC_WIC_REDEMP_11_16 PCH_PCP_WICS_11_16	<b>count</b> 3117.0 3115.0 3115.0 3117.0 2867.0 3143.0 3060.0 3143.0 3143.0 3143.0 2983.0	<b>84 5.7209</b> <b>mean</b> 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1.809516 -4.899652 -0.853337 0.686508 0.094726 -13.657880 7.153399	904 -37.618 sta 395567.600978 400469.196436 788.627219 110784.762796 20.921085 1.445719 17.036711 0.336877 0.546517 0.546517 0.282311 37.025364 361.335418	717 0.652 min -100.00000 -100.00000 -100.00000 -93.353948 -4.865687 -100.00000 -1.696861 -0.133973 -1.615046 -91.425011 -91.425011	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -1.044790 0.393056 -0.037384 -21.788098 -25.269887	666657 7 -0.062393 3.486028 4.694624 -0.015431 -22.056440 -1.708690 -6.486179 -0.839693 0.650023 0.650023 0.115010 -13.089518 -9.62964	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548 -0.665073 0.8651912 0.268521 5.5098325	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00 1.664940e+02 5.297228e-01 4.236802e+00 8.492898e-01 1.086538e+03
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	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_REDEMP_SNAPS_12_16 PCH_REDEMP_SNAPS_12_16 PCH_SNAP_12_16 PCH_SNAP_12_16 PCH_SNAP9_15 PCH_SPS_09_15 PCH_SPS_09_15 PCH_PC_WIC_REDEMP_11_16 PCH_PC_WIC_09_15 PCH_PCL_WIC_09_15 PCH_WIC_09_15 P	count 3117.0 3129.0 3129.0 3129.0 3129.0 3129.0 3129.0 3129.0 3129.0 3143.0 3143.0 3143.0 3143.0 3143.0 3143.0	<b>84</b> 5.7209 <b>mean</b> 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1.809516 -4.899652 -0.853337 0.686508 0.094726 -13.657880 7.153399 -0.596962 -1.506962 -1.760064 -0.243165 0.182121	004         -37.618           std         395567.600978           400469.196436         788.627219           110784.762796         20.921085           1.445719         17.036711           0.336877         0.546517           0.282311         37.025364           361.335418         0.477011           0.945662         0.110194           0.275412         0.275412	<ul> <li>717 0.652</li> <li>min</li> <li>-100.00000</li> <li>-100.00000</li> <li>-100.00000</li> <li>-93.353948</li> <li>-4.865687</li> <li>-100.00000</li> <li>-1.696861</li> <li>-0.133973</li> <li>-1.615046</li> <li>-91.425011</li> <li>-100.000000</li> <li>-2.491475</li> <li>-5.389021</li> <li>-0.508514</li> <li>-0.414829</li> </ul>	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -1.044790 0.393056 -0.037884 -2.1.788098 -2.5.260587 -0.6543717 -0.341807 -0.03287	666657         7           -0.062393         3.486028           3.486028         4.694624           -0.015431         -22.056440           -0.1708690         -6.486179           -0.839693         0.650023           0.640016         -1.708690           -1.308918         -9.642964           -0.513726         -1.718696           -0.223055         0.105586	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548 -0.66503 0.861912 0.268521 -5.098325 8.939912 -0.366039 -1.194306 -0.166891 0.31165	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00 1.664940e+02 5.29728e-01 4.236802e+00 8.492898e-01 1.086538e+03 1.758218e+04 2.725820e-02 2.039279e-01 9.067857e-03
	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_REDEMP_SNAPS_12_16 PCH_REDEMP_SNAPS_12_16 PCH_SNAP_12_16 PCH_SNAP_12_16 PCH_SNAPBEN_10_15 PCH_SPD_09_15 PCH_SPD_09_15 PCH_PC_WIC_REDEMP_11_16 PCH_PCL_WIC_09_15 PCH_WIC_09_15	count 3117.0 3115.0 3129.0 3117.0 3117.0 200.0 3143.0 3143.0 3143.0 3143.0 3143.0 3143.0 3143.0	<b>84</b> 5.7209 <b>mean</b> 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1.809516 -4.899652 -0.853337 0.686508 0.094726 0.685080 7.153399 -0.596962 -1.760064 -0.243165 0.182121 0.162722	004         -37.618           std         395567.600978           400469.196436         788.627219           110784.762796         20.921085           1.445719         17.036711           0.336877         0.546517           0.282311         37.025364           361.335418         0.477011           0.945662         0.110194           0.110194         2.75412	717 0.652 min -100.00000 -100.00000 -100.00000 -93.353948 -4.865687 -100.00000 -1.696861 -0.133973 -1.615046 -91.425011 -0.100.000000 -2.491475 -5.389021 -0.508514 -0.414889 -0.00000	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -1.044790 0.393056 -0.037384 -2.5260587 -0.634327 -2.6054371 -0.341807 -0.341807 -0.341807	666657         7           -0.062393         3.486028           3.486028         4.694624           -0.015431         -           -22.056440         -           -1.708690         -           -6.486179         -           -0.839693         -           0.650023         -           0.115010         -           -13.089518         -           -0.513726         -           -0.7178969         -           -0.223055         0.1055849           0.000076         -	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548 -0.665033 0.861912 0.268521 -5.098325 8.939912 -0.366039 -1.194306 -0.366031 0.361365	23.116316 () 2.208376e+07 2.234893e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00 1.664940e+02 4.236802e+00 8.492898e-01 1.086538e+03 1.758218e+04 2.725820e-02 2.039279e-01 9.06757e-03 3.178517e+00
	vote_diff_rep 3107.0 3 PCH_LACCESS_POP_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_LACCESS_LOWI_10_15 PCH_REDEMP_SNAPS_12_16 PCH_REDEMP_SNAPS_12_16 PCH_SNAP_12_16 PCH_SNAP_12_16 PCH_SNAPBEN_10_15 PCH_SBP_09_15 PCH_SPS_09_15 PCH_PC_WIC_REDEMP_11_16 PCH_PCL_WIC_09_15 PCH_WIC_09_15	A.6703           count           3117.0           33115.0           33129.0           33129.0           33143.0           3143.0           3143.0           2983.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0           3143.0	<b>84</b> 5.7209 <b>mean</b> 7180.008005 7318.956973 33.050666 2080.536916 -19.919135 -1.809516 -4.899652 -0.853337 0.686508 0.094726 0.685080 7.153399 -0.596962 -1.760064 -0.243165 0.182121 0.167523 1.032282	004         -37.618           std         395567.600978           400469.196436         788.627219           110784.762796         20.921085           1.45719         17.036711           0.336877         0.546517           0.282311         37.025364           361.335418         0.477011           0.945662         0.110194           0.275412         7.547701	<ul> <li>717 0.652</li> <li>min</li> <li>-100.00000</li> <li>-100.00000</li> <li>-100.00000</li> <li>-93.353948</li> <li>-4.865687</li> <li>-100.00000</li> <li>-1.696861</li> <li>-0.133973</li> <li>-1.615046</li> <li>-91.425011</li> <li>-0.10.000000</li> <li>-2.491475</li> <li>-5.389021</li> <li>-0.508514</li> <li>-0.414889</li> <li>-100.000002</li> </ul>	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -1.044790 0.393056 -0.037384 -2.5260587 -0.634367 -2.6054371 -0.341807 -0.341807 -0.341807 -0.0341807	66657 7 -0.062393 3.486028 4.694624 -0.015431 -22.056440 -0.15431 -22.056440 -0.488079 -0.839693 0.650023 0.650023 0.115010 -1.10896 -1.11896 -0.223055 0.105849 0.000000 0.000000	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548 -0.665031 0.861912 0.268521 -5.098325 8.939912 -0.366039 -1.194306 -0.366039 -1.194306 0.366039 -1.194306 0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -1.194407 -1.19	23.116316 max 2.208376e+07 2.234893e+07 4.319128e+04 6.181696e+06 4.059816e+02 2.018162e+00 1.664940e+02 5.29728e-01 4.236802e+00 8.492898e-01 1.086538e+03 1.758218e+04 2.725820e-02 2.039279e-01 9.067857e-03 3.178517e+00 1.50000e+02
	vote_diff_rep         3107.0         3           PCH_LACCESS_POP_10_15         P           PCH_LACCESS_LOWI_10_15         P           PCH_LACCESS_LOWI_10_15         P           PCH_LACCESS_LOWI_10_15         P           PCH_LACCESS_SENIORS_10_15         P           PCH_REDEMP_SNAPS_12_16         P           PCH_REDEMP_SNAPS_12_16         P           PCH_SNAP_12_16         P           PCH_SNAP_10_15         P           PCH_SP_09_15         P           PCH_SPSP_09_15         P           PCH_REDEMP_WICS_11_16         P           PCH_WIC_09_15         P           PCH_PC_NC_00_11_16         P           PCH_WIC_00_11_16         P           PCH_PC_NC_00_11_16         P	count           3117.0           3117.0           3117.0           3129.0           3117.0           2867.0           3143.0	84         5.7209           mean         7180.008005           7318.956973         33.050666           2080.536916         -19.919135           -19.919135         -1.809516           -4.899652         -0.853337           0.686508         0.094726           -13.657880         7.153399           -0.596962         -1.760064           -0.243165         0.182121           0.167523         1.030283           0.096421         1.030283	004         -37.618           std         395567.600978           400469.196436         788.627219           110784.762796         20.921085           1.45719         17.036711           0.336877         0.546517           0.282311         37.025364           361.335418         0.477011           0.945662         0.110194           0.275412         7.547701           5.072792         50.072472	717 0.652 min -100.00000 -100.00000 -100.00000 -93.353948 -4.865687 -100.00000 -1.696861 -0.133973 -1.615046 -91.425011 -0.100.00000 -2.491475 -5.389021 -0.508514 -0.508514 -0.414889 -100.000000	2689 3.6 25% -10.913427 -12.326384 -14.627232 -10.898448 -32.300036 -2.932261 -1.044790 0.393056 -0.03784 -2.5260587 -0.634307 -2.5260587 -0.634320 -0.03784 -2.5260587 -0.634320 -0.03268 -2.5260587 -0.03268 -2.5260587 -0.03268 -2.5260587 -0.03268 -2.5260587 -2.634371 -0.341807 -0.03268 -2.5260587 -2.634371 -0.341807 -0.03268 -2.2326 -2.634371 -2.2326 -2.2327 -2.23	66657 7 -0.062393 3.486028 4.694624 -0.015431 -22.056440 -0.15431 -22.056440 -0.15501 -0.839693 0.650023 0.650023 0.115010 -1.10896 -1.11896 -0.223055 0.105849 0.000000 0.000000	236847 75% 7.262080 23.523422 29.002172 7.418184 -10.484279 -1.128421 3.875548 -0.665031 0.861912 0.268521 -5.098325 4.393912 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -0.366039 -1.194306 -1.19442 -1.194442 -1.19442 -1.19442 -1.194444 -1.194444 -1.19444	23.116316 () () () () () () () () () ()

	count	mean	std	min	25%	50%	75%	max
PCH_DIRSALES_FARMS_07_12	3019.0	16.374970	87.253374	-100.000000	-22.222222	1.244813	32.158385	1500.000000
PCH_DIRSALES_07_12	2684.0	54.254356	312.945962	-100.000000	-33.333333	5.228476	64.072719	11584.615380
PCH_PC_DIRSALES_07_12	2684.0	52.060417	298.835535	-100.000000	-34.627091	4.147232	60.743051	10822.169740
PCH_FMRKT_09_16	2587.0	37.576040	98.917037	-100.000000	0.000000	0.000000	50.000000	1600.000000
PCH_FMRKTPTH_09_16	2592.0	34.169579	94.458942	-100.000000	0.000000	0.000000	49.011977	1617.310053
PCH_VEG_FARMS_07_12	2793.0	22.926982	112.349444	-100.000000	-31.250000	0.000000	40.000000	1800.000000
PCH_VEG_ACRES_07_12	2060.0	59.202488	520.868530	-100.000000	-29.988167	6.666667	60.494643	22109.090910
PCH_VEG_ACRESPTH_07_12	2245.0	-1.455243	4.235496	-43.113542	-3.569768	-0.876435	1.284643	13.395686
PCH_FRESHVEG_FARMS_07_12	2779.0	23.495800	111.786688	-100.000000	-33.333333	0.000000	41.666667	1800.000000
PCH_FRESHVEG_ACRES_07_12	1052.0	18.542381	136.981782	-100.000000	-43.012120	-6.412130	38.591430	1933.333333
PCH_FRESHVEG_ACRESPTH_07_12	1052.0	16.824489	136.162559	-100.000000	-44.936097	-8.756606	35.878513	1888.417050
PCH_ORCHARD_FARMS_07_12	2720.0	7.151707	82.258592	-100.000000	-35.953125	-8.333333	27.010490	1000.000000
PCH_ORCHARD_ACRES_07_12	2021.0	25.075102	152.529453	-100.000000	-31.111111	-2.666667	37.751756	3712.500000
PCH_ORCHARD_ACRESPTH_07_12	2021.0	23.212938	152.147979	-100.000000	-33.064346	-4.677203	36.006781	3839.058815
PCH_BERRY_FARMS_07_12	2236.0	44.489972	135.947625	-100.000000	-32.000000	14.285714	77.77778	1700.000000
PCH_BERRY_ACRES_07_12	1273.0	55.564751	222.350972	-100.000000	-30.434783	4.317959	66.666667	4400.000000
PCH_BERRY_ACRESPTH_07_12	1273.0	51.712638	214.445841	-100.000000	-32.889169	3.166085	60.954730	4162.112815
PCH_SLHOUSE_07_12	2977.0	-5.474154	35.630188	-100.000000	0.000000	0.000000	0.000000	300.000000
PCH_GHVEG_FARMS_07_12	1201.0	94.129127	201.710230	-100.000000	-25.000000	50.000000	166.666667	1900.000000
PCH_GHVEG_SQFT_07_12	342.0	292.483990	1548.392983	-100.000000	5.759483	91.526644	247.556103	27641.176470

	count	mean	std	min	25%	50%	75%	max
vote_diff_rep	3107.0	3.670384	5.720904	-37.618717	0.652689	3.666657	7.236847	23.116316

Fig 9.4. Summary Values for All Non-	Param	etric (	Chosen	Varia	bles		
	count	mean	std	min	25%	50%	75%

Year6217.0913.98972001112012.00002012.00002012.00002016.000		count	mean	std	min	25%	50%	75%	max
Total population6217.050.0792228.95010.0310524.9611294.9757755.31824100.0000Female6217.050.0792028.269021.5134149.6251060.4513151.3182463.00000Median age years6217.050.6730228.269020.3104025.7373451.3184475.71828100.0000One race, Minto6217.050.6730281.99320.000000.580582.195510.4082950.60000One race, Asian, Asian indian and Alaska Native6217.09.0794914.593280.000000.0540500.2925240.747080.563780One race, Asian, Chinese6217.00.228100.632530.000000.0000000.064480.22854110.438290.218319One race, Asian, Chinese6217.00.228100.828920.000000.0000000.004480.2285410.128398One race, Asian, Chinese6217.00.288100.000000.0000000.0014940.2285410.128398One race, Saian, Chinese6217.00.288100.000000.0000000.0014840.1284540.00000One race, Saian, Chinese6217.00.288100.0000000.0000000.0014940.2874610.288398One race, Saian, Chinese6217.00.288100.0000000.0000000.0014940.128490.288398One race, Saian, Chinese6217.00.288100.0000000.0014040.128490.28856One race, Saian, Chinese6217.00.2881	Year	6217.0	2013.999678	2.000161	2012.000000	2012.000000	2012.000000	2016.000000	2016.000000
Female         6217.0         50.007989         2.324268         21.513413         49.625102         50.455131         51.152238         59.49127           Median age years         6217.0         50.077988         2.324268         20.3146         25.73748         51.335404         75.71428         100.000000           One race_Mhite         6217.0         94.02401         16.197022         3.551853         77.681818         90.428655         95.661794         10.000000           One race_Mhite         6217.0         0.7164708         16.59328         0.000000         0.55402         0.329521         0.764708         85.73463           One race_Asian_Asian Indian         6217.0         0.228170         0.32833         0.00000         0.034655         0.239521         1.739414         14.739841           One race_Asian_Chinese         6217.0         0.228170         0.32833         0.00000         0.004494         0.227614         12.13188           One race_Asian_Chinese         6217.0         0.228371         0.480250         0.000000         0.01424         0.18542         1.938984           One race_Asian_Chinese         6217.0         0.288761         0.000000         0.016200         0.17824         0.33431         10.45273           One race	Total population	6217.0	50.077922	28.959015	0.031056	24.961192	49.875776	75.318224	100.000000
Median age years6217050 700228 809620.0310425.737451.3340475.7148100.0000One race_Minite6217044.204016.195220.5818877.861894.0485666.10382One race_Manican mod lasks Native621700.402500.602500.000000.054520.295260.395820.4026560.4026560.4026560.4026560.4026560.4025650.402	Female	6217.0	50.007898	2.324256	21.513413	49.525102	50.455131	51.152238	58.499127
One race_White         6217.0         84.02401         16.19722         3.551853         77.68188         90.428655         95.66197         100.00000           One race_Black or African American         6217.0         9.07499         14.59328         0.00000         0.828565         2.19591         10.428659         85.66197         10.408009           One race_Manefcan Indian and Alaska Native         6217.0         1.615828         6.406637         0.000000         0.038265         2.19591         10.43829         86.193982           One race_Asian_Indian         6217.0         1.615828         6.406637         0.00000         0.038261         0.22861         0.22861         12.73981         12.73981           One race_Asian_Filipino         6217.0         0.82381         0.00000         0.000000         0.001440         0.22781         21.21398           One race_Asian_Other Asian         6217.0         0.83381         0.462540         0.000000         0.001400         0.27744         0.138988           One race_Asian_Hilpino         6217.0         0.28371         0.000000         0.001400         0.000000         0.001424         0.327440         0.345435           One race_Asian_Hilpino         6217.0         0.21870         0.258723         0.000000         0.00160	Median age years	6217.0	50.673028	28.890962	0.031046	25.737349	51.335404	75.714286	100.000000
One race_Black or African American         6217.0         9.07949         14.59358         0.00000         0.58265         2.19591         10.43829         80.39322           One race_Main_China and Alaska Native         6217.0         0.58258         6.400057         0.00000         0.58265         0.292821         0.53265         0.292821         0.53265         0.20000         0.00463         0.202821         0.53265         0.20000         0.00463         0.202821         0.232812         0.53255         0.00000         0.034653         0.202821         0.232812         0.232812         0.232821         0.232821         0.232821         0.232821         0.212819           One race_Asian_Chinese         6217.0         0.232810         0.60000         0.00000         0.00148         0.12824         0.23819         10.43289           One race_Asian_Chinese         6217.0         0.23810         0.42540         0.00000         0.00140         0.12724         0.33451         10.445573           One race_Shain_Chinese         6217.0         0.28182         0.55783         0.00000         0.00140         0.01284         0.157849         10.45576           One race_Main_and Black or African American         6217.0         0.51291         0.51291         0.00000         0.01142         <	One race_White	6217.0	84.024001	16.197922	3.551853	77.681818	90.426855	95.661976	100.000000
One race_Asian_Asian Indian         Alaska Native         6217.0         1.615628         6.460537         0.000000         0.155402         0.329521         0.7657083           One race_Asian_Asian Indian         6217.0         0.228120         0.53233         0.000000         0.034653         0.229621         1.7396411           One race_Asian_Chinese         6217.0         0.228378         0.690253         0.000000         0.004949         0.227614         1.213198           One race_Asian_Chinese         6217.0         0.289821         0.575830         0.000000         0.014520         0.127824         0.198645         10.38958           One race_Asian_Other Asian         6217.0         0.289821         0.575830         0.000000         0.014200         0.127824         0.32431         10.45273           One race_Native Hawaiian and Other Pacific Islander         6217.0         0.215297         0.000000         0.004284         0.05428         0.545786           One race_Some other race         6217.0         0.512917         0.45602         0.000000         0.07142         0.48573         5.97447           Two or more races_White and Alaska Native         6217.0         0.512917         0.451602         0.000000         0.07142         0.484984         21.065568	One race_Black or African American	6217.0	9.079499	14.593528	0.000000	0.582656	2.195591	10.438269	86.193982
One race_Asian_Asian Indian         6217.0         0.2281.0         0.8283.3         0.00000         0.03465.3         0.20861         1.43841           One race_Asian_Chinese         6217.0         0.2887.0         0.00000         0.00000         0.049430         0.20861         1.21314           One race_Asian_Chinese         6217.0         0.2887.0         0.00000         0.00000         0.074440         0.18484         0.38858           One race_Asian_Other Asian         6217.0         0.2887.0         0.00000         0.00140         0.127924         0.33858         0.34853         0.00208         0.01280         0.32783         0.0028         0.012784         0.38588         0.58587           One race_Main_Other Pacific Islander         6217.0         0.51826         0.00000         0.01428         0.01284         0.51757         0.58587         0.00000         0.01428         0.517587         0.58587           Two or more races_White and Alaska Native         6217.0         0.51388         1.53282         0.00000         0.21742         0.46493         0.48498         2.105568           Two or more races_White and Alaska Native         6217.0         0.51388         1.53282         0.00000         0.2142         0.41637         0.24984         0.464935         0.484985	One race_American Indian and Alaska Native	6217.0	1.615628	6.460637	0.000000	0.155402	0.329521	0.764706	95.673463
One race_Asian_Chinese         6217.0         0.22878         0.692523         0.000000         0.064949         0.22761         21.21398           One race_Asian_Filipino         6217.0         0.18381         0.462540         0.000000         0.073484         0.19864         10.38858           One race_Asian_Tilipino         6217.0         0.28381         0.462540         0.000000         0.017348         0.19864         10.38858           One race_Asian_Other Asian         6217.0         0.28880         0.557830         0.000000         0.012820         0.127924         0.328164         0.442673           One race_Mative Assian_Other Pacific Islander         6217.0         0.28502         0.558730         0.000000         0.0012800         0.0127900         0.279179         2.196130         5.255747           Two or more races_White and Black or African American         6217.0         0.512917         0.451602         0.000000         0.011420         0.418755         0.728379         5.357447           Two or more races_White and Alaska Native         6217.0         0.81388         1.352382         0.000000         0.001430         0.484385         0.486485         21.055646           Two or more races_White and Alaska Native         6217.0         0.23381         1.352382         0.000000	One race_Asian_Asian Indian	6217.0	0.228120	0.632353	0.000000	0.000000	0.034653	0.208621	14.739641
One race_Asian_Filipino         6217.0         0.183301         0.462540         0.000000         0.073444         0.198648         10.388389           One race_Main_Other Asian         6217.0         0.28898         0.57850         0.000000         0.017340         0.198649         10.488379           One race_Native Hewaiian and Other Pacific Islander         6217.0         0.61620         557830         0.00000         0.017200         0.012794         0.38549         0.545780           One race_Same Indem and Other Pacific Islander         6217.0         0.61622         55827         0.00000         0.01620         0.01280         0.30248         0.35549         0.55556           Two or more races_White and Alaska Native         6217.0         0.51297         0.45102         0.00000         0.01612         0.418375         0.72839         0.57447           Two or more races_White and Alaska Native         6217.0         0.51381         1.35322         0.00000         0.00143         0.448395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395         0.464395	One race_Asian_Chinese	6217.0	0.229378	0.692523	0.000000	0.000000	0.064949	0.227614	21.213198
One race_Asian_Other Asian         6217.0         0.289962         0.57830         0.000000         0.016200         0.127924         0.33243         10.445273           One race_Mains and Other Pacific Islander         6217.0         0.061020         0.159870         0.00000         0.004284         0.35434         0.545783           One race_Stative Hawaiian and Other Pacific Islander         6217.0         0.61025         0.159877         0.000000         0.007000         0.079779         2.169139         52.05566           Two or more races_White and Allack A Matrice         6217.0         0.512917         0.45602         0.000000         0.275000         0.279779         2.196139         52.05566           Two or more races_White and Allack Native         6217.0         0.81388         1.353282         0.000000         0.27124         0.464395         0.484984         21.065546           Two or more races_White and Alland Allaska Native         6217.0         0.813881         1.353282         0.000000         0.02114         0.464395         0.484984         21.065546           Two or more races_White and Alland Allaska Native         6217.0         0.283561         0.000000         0.02014         0.464395         0.484984         2.019787           Two or more races_Black or African American Indian and Allaska Native	One race_Asian_Filipino	6217.0	0.183361	0.462540	0.000000	0.000000	0.073484	0.198646	10.388598
One race_Native Hawaiian and Other Pacific Islander         6217.0         0.061025         0.15876         0.000000         0.004284         0.05548         0.351788           One race_Some other race         6217.0         2.012532         2.58673         0.000000         0.0797179         2.16193         52.085568           Two or more races_White and American American         6217.0         0.51977         0.45602         0.00000         0.271500         0.78773         0.78873         6.59747           Two or more races_White and American Indian and Alaska Native         6217.0         0.81308         13.2328         0.00000         0.204643         0.448332         0.464935	One race_Asian_Other Asian	6217.0	0.288982	0.557830	0.000000	0.016200	0.127924	0.332431	10.445273
One race_Some other race         6217.0         2.012532         3.598273         0.000000         0.275000         0.797179         2.196130         52.08566           Two or more races_White and Black or African American         6217.0         0.512917         0.451602         0.000000         0.191642         0.418755         0.728379         5.95747           Two or more races_White and Alaska Native         6217.0         0.81389         1.35292         0.00000         0.291642         0.464935         0.464935         0.464935         0.464935         0.464935         0.430876         3.486165           Two or more races_White and Alaska Alative         6217.0         0.233851         0.29000         0.024435         0.433276         0.332692         0.30000         0.00014         0.418375         0.320506         3.486165           Two or more races_Black or African American Indian and Alaska Native         6217.0         0.233867         1.28309         0.00000         0.000140         0.007374         0.332692         3.486165           Two or more races_Black or African American Indian and Alaska Native         6217.0         8.58611         1.493925         0.000000         1.06119         0.067374         2.091576           Hispanic or Latino of any race         6217.0         8.58611         1.493925         0	One race_Native Hawaiian and Other Pacific Islander	6217.0	0.061025	0.159876	0.000000	0.000000	0.004284	0.055448	3.541578
Two or more races. White and Black or African American         6217.0         0.51297         0.451602         0.000000         0.18162         0.181750         0.78379         0.557474           Two or more races. White and American Indian and Alaska Native         6217.0         0.81388         1.32532         0.00000         0.27012         0.464935         0.464935         0.464935         0.464935         0.464935         0.464935         0.4649555         0.464955         0.464955	One race_Some other race	6217.0	2.012532	3.598273	0.000000	0.275000	0.797179	2.196193	52.085506
Two or more races_White and American Indian and Alaska Native         6217.0         0.81388         1.353282         0.000000         0.270124         0.846885         0.846884         21.065546           Two or more races_White and Alasia         6217.0         0.23381         0.352362         0.000000         0.027124         0.846884         21.065546           Two or more races_Black or African American and American Indian and Alaska Native         6217.0         0.23381         0.328054         0.000000         0.027124         0.846894         0.326954         0.348165           Two or more races_Black or African American Indian and Alaska Native         6217.0         0.868081         1.243926         0.000000         0.00010         0.067137         3.07414         0.756817         6398882           Hispanic or Latino of any race         6217.0         8.68611         1.343925         0.000000         0.076179         3.07414         8.756817         6398882	Two or more races_White and Black or African American	6217.0	0.512917	0.451602	0.000000	0.191642	0.418755	0.728379	5.957447
Two or more races_White and Asian         6217.0         0.233851         0.295554         0.000000         0.02433         0.148372         0.33206         3.48185           Two or more races_Black or African American and American and American and American and American and American         6217.0         0.60037         0.128360         0.000000         0.009160         0.009160         0.007374         2.091978           Hispanic or Latino of any race         6217.0         8.658611         13.493925         0.000000         1.761879         3.507414         8.756817         98.58862	Two or more races_White and American Indian and Alaska Native	6217.0	0.813368	1.353292	0.000000	0.270124	0.464935	0.846884	21.065546
Two or more races_Black or African American and American Indian and Alaska Native         6217.0         0.06037         0.128360         0.000000         0.009160         0.069737         2.091978           Hispanic or Latino of any race         6217.0         8.658611         13.493925         0.000000         1.761879         3.507414         8.558617         98.585862	Two or more races_White and Asian	6217.0	0.233851	0.295554	0.000000	0.024453	0.148372	0.332060	3.486185
Hispanic or Latino of any race 6217.0 8.658611 13.493925 0.000000 1.761879 3.507414 8.756817 98.958862	Two or more races_Black or African American and American Indian and Alaska Native	6217.0	0.060387	0.128360	0.000000	0.000000	0.009160	0.067374	2.091978
	Hispanic or Latino of any race	6217.0	8.658611	13.493925	0.000000	1.761879	3.507414	8.756817	98.958862

	count	mean	std	min	25	\$ 50%	75%	max
Hispanic or Latino of any race_Mexican	6217.0	6.565092	12.021754	0.000000	1.01282	2.167512	5.790885	96.506357
Hispanic or Latino of any race_Puerto Rican	6217.0	0.485637	1.263627	0.000000	0.03155	0.179263	0.440320	30.462685
Hispanic or Latino of any race_Cuban	6217.0	0.134158	0.740410	0.000000	0.00000	0.028578	0.116488	35.668015
_Total housing units	6217.0	50.173997	28.952075	0.031046	25.02328	5 50.170754	75.411363	100.000000
In labor force_Civilian labor force_Employed	6217.0	91.736720	4.183385	29.900280	89.78140	2 92.249637	94.366099	100.000000
In labor force_Civilian labor force_Unemployed	6217.0	7.806096	3.567611	0.000000	5.43030	7 7.460945	9.754479	29.927415
In labor force_Armed Forces	6217.0	0.457185	2.200237	0.000000	0.00000	0.072691	0.209240	66.422562
Females 16 years and over	6217.0	50.342649	2.749346	21.132898	49.79358	5 50.884533	51.704429	59.943921
_COMMUTING TO WORK_Car, truck, or van drove alone	6217.0	79.036804	6.817637	6.036683	76.44628	1 80.339027	83.297030	93.922652
_COMMUTING TO WORK_Car, truck, or van carpooled	6217.0	10.552386	2.950147	0.000000	8.60748	1 10.158014	12.082750	30.372149
_COMMUTING TO WORK_Public transportation excluding taxicab	6217.0	0.954140	3.068265	0.000000	0.11312	2 0.343671	0.775901	61.760340
_COMMUTING TO WORK_Walked	6217.0	3.123380	2.758155	0.000000	1.43164	0 2.350585	3.945300	36.912114
_COMMUTING TO WORK_Worked at home	6217.0	4.787175	3.276427	0.000000	2.83766	5 4.038809	5.772889	49.184149
_COMMUTING TO WORK_Mean travel time to work minutes	6217.0	49.778899	28.509167	0.372555	25.31055	9 49.565352	74.208075	100.000000
_OCCUPATION_Management, business, science, and arts occupations	6217.0	30.861566	6.463274	11.795544	26.48742	8 29.806875	34.185606	69.474095
OCCUPATION_Service occupations	6217.0	18.134804	3.607465	4.850746	15.81220	4 17.825654	20.037987	38.431201
OCCUPATION_Sales and office occupations	6217.0	22.295704	3.235372	4.958678	20.30602	9 22.533100	24.508334	50.769231
OCCUPATION Natural resources, construction, and maintenance occupations	6217.0	12.878935	4.239307	1.893043	10.02980	4 12.360733	15.044248	45.510836
OCCUPATION Destudion desenantation and material maxima assumptions	6217.0	15 929000	5 750197	0.000000	11 52915	1 1 4 5 5 9 0 7	10 521242	49 717040
OCCUPATION Production, transportation, and material moving occupations	0217.0	10.020990	0.700107	0.000000	11.52015	J 15.455607	19.021343	40.717949
INDUSTRY Agriculture, forestry, fishing and hunting, and mining	6217.0	6.902184	7.464220	0.000000	1.83905	5 4.275947	9.171313	59.294118
_OCCOPATION_Production, transportation, and material moving occupations _INDUSTRY_Agriculture, forestry, fishing and hunting, and mining	6217.0	6.902184 count	7.464220 mean	0.000000 std	1.83905 min	5 4.275947 25% 5	9.171313	48.717949 59.294118 max
_UNDUSTRY_Agriculture, forestry, fishing and hunting, and mining	6217.0	6.902184 count 6217.0	7.464220 mean 7.331474	0.000000 std 2.371626 0.	1.83905 min 000000 5.7	5 4.275947 25% 5 767617 6.9959	9.171313 9. 75% 36 8.569132	48.717949 59.294118 max 23.484070
_UNDUSTRY_Agriculture, forestry, fishing and hunting, and mining _INDUSTRY_Agriculture, forestry, fishing and hunting, and mining _INDUSTRY_Construction _INDUSTRY_Manufacturing	6217.0	6.902184 count 6217.0 6217.0	7.464220 mean 7.331474 12.276006	0.000000 std 2.371626 0. 7.013109 0.	1.83905 min 000000 5.7 000000 6.8	5 4.275947 5 4.275947 25% 5 67617 6.9959 133656 11.4841	9.171313 9.75% 36 8.569132 35 16.763640	48.717949 59.294118 max 23.484070 48.258305
_UNDUSTRY_Agriculture, forestry, fishing and hunting, and mining _INDUSTRY_Agriculture, forestry, fishing and hunting, and mining _INDUSTRY_Construction _UNDUSTRY_Manufacturing _INDUSTRY_Wholesale trade	6217.0	6.902184 count 6217.0 6217.0 6217.0	7.464220 mean 7.331474 12.276006 2.435069	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0.	1.83905 min 000000 5.7 000000 6.8 000000 1.7	5 4.275947 25% 5 167617 6.9959 133656 11.4841 108880 2.3382	9.171313 9.171313 9. 751 36 8.569132 35 16.763640 27 3.055556	48.717343 59.294118 max 23.484070 48.258305 20.507000
	6217.0	6.902184 count 6217.0 6217.0 6217.0 6217.0	7.331474 12.276006 2.435069 11.427652	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0.	1.83905 min 000000 5.7 000000 6.8 000000 1.7	13.433807           5         4.275947           25%         50           767617         6.9959           133656         11.4841           708880         2.3382           110086         11.5008	9.171313 9.171313 9.6 8.569132 35 16.763640 27 3.055556 39 12.817774	48.717343 59.294118 max 23.484070 48.258305 20.507000 30.923981
	6217.0	6.902184 count 6217.0 6217.0 6217.0 6217.0 6217.0	7.464220 mean 7.331474 12.276006 2.435069 11.427652 5.428907	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0.	1.83905 min 000000 5.7 000000 6.8 000000 1.7 000000 10.1	13.455807           5         4.275947           25%         50           767617         6.9959           133656         11.4841           708880         2.3382           110086         11.5008           26938         5.1100	9.171313 9.1751 9.17510	46.717349 59.294118 max 23.484070 48.258305 20.507000 30.923981 26.776860
	6217.0	6.902184 count 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0	7.464220 mean 7.331474 12.276006 2.435069 11.427652 5.428907 1.449791	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0. 0.841695 0.	1.83905 min 000000 5.7 000000 6.8 000000 1.7 000000 10. 000000 4.7 000000 4.7	13.433807           5         4.275947           25%         50           167617         6.9959           133656         11.4841           108880         2.3382           26938         5.1100           123564         1.3518	9.171313 9.1751 9.1751	46.717949 59.294118 max 23.484070 48.258305 20.507000 30.923981 26.776860 15.751295
	6217.0	6.902184 count 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0	7.464220 mean 7.331474 12.276006 2.435069 11.427652 5.428907 1.449791 4.652983	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0. 0.841695 0. 1.917449 0.	1.83905 min 000000 5.7 000000 6.8 000000 1.7 000000 10.7 000000 4.7 000000 3.4	13.433807           5         4.275947           25%         5           767617         6.9959           333656         11.4841           10086         11.5008           26938         5.1100           22694         1.3518           161202         4.34511	9.171313 9.17141 9.1714110 9.171411010000000000000000000000000000000	46.717949 59.294118 max 23.484070 48.258305 20.507000 30.923981 26.776860 15.751295 22.767070
_INDUSTRY_Agriculture, forestry, fishing and hunting, and mining _INDUSTRY_Construction _INDUSTRY_Manufacturing _INDUSTRY_Manufacturing _INDUSTRY_Manufacturing _INDUSTRY_Tenaportation and waterbousing, and utilities _INDUSTRY_Information _INDUSTRY_Information _INDUSTRY_Formation and real estate and rental and leasing _INDUSTRY_Professional, scientific, and management, and administrative and waste manage	6217.0	6.902184 count 6217.0 6217.	7.464220 mean 7.331474 12.276006 2.435069 11.427652 5.428907 1.449791 4.652983 6.649164 22.013534	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0. 0.841695 0. 1.917449 0. 3.226192 0.	1.83905 min 000000 5.7 000000 6.8 000000 1.7 000000 10. 000000 4.7 000000 4.5 000000 4.5	13.433807           5         4.275947           25%         5           767617         6.9959           333656         11.4841           10086         11.5008           26938         5.1100           123564         1.3518           161202         4.3451           151084         6.0354           90972         2.2575	9.171313 9.1714125 9.17145 9.1714125 9.1714	46.7 / 7949 59.294118 max 23.484070 48.258305 20.507000 30.923981 26.776860 15.751295 22.767070 57.362100 48.451818
INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Construction INDUSTRY_Construction INDUSTRY_Meniateuring INDUSTRY_Molesale trade INDUSTRY_Nolesale trade INDUSTRY_Transportation and wavehousing, and utilities INDUSTRY_Information INDUSTRY_Finance and real sets and rental and leasing INDUSTRY_Professional, scientific, and management, and administrative and waste manage INDUSTRY_Arts_entainment, and real sets and rental and leasing INDUSTRY_Arts_entainment, and real sets and rental assistance INDUSTRY_Arts_entainment, and recation, and accommodation and food sen	6217.0	6.902184 count 6217.0 6217.	7.464220 mean 7.331474 12.276006 2.435069 11.427652 5.428907 1.449791 4.652983 6.649164 23.013534 8.080518	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0. 0.841695 0. 1.917449 0. 3.226192 0. 4.607568 2.	1.83905 min 000000 5.7 000000 6.8 000000 10.7 000000 4.7 000000 4.7 000000 4.5 000000 4.5 564103 20.7 000000 4.5	13.433807           5         4.275947           25%         57           67617         6.9959           33865         11.4841           08880         2.3382           110086         11.5008           26938         5.1100           123564         1.3518           161202         4.3451           151084         6.0354           30973         22.6578	9.171313 9.17714 9.155556 9.1555556 9.1555566 9.1555566 9.1555566 9.1555566 9.1555566 9.1555566 9.1555	46.7 / 7 949 59.294118 max 23.484070 48.258305 20.507000 30.923881 26.776860 15.751295 22.767070 57.362100 48.451818 44.244604
INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Construction INDUSTRY_Construction INDUSTRY_Monutacturing INDUSTRY_Molesale trade INDUSTRY_Tensportation and warehousing, and utilities INDUSTRY_Information INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Forescional, scientific, and management, and administrative and waste manage INDUSTRY_Portessional, scientific, and management, and administrative and waste manage INDUSTRY_Portessional, scientific, and management, and administrative and waste manage INDUSTRY_Finance except bubic administrative admini	6217.0 6217.0	6.902184 count 6217.0 6217.	7.484220 mean 7.331474 12.27606 2.435069 11.427652 5.42807 1.449791 4.652983 6.649164 23.013534 8.080518	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.405289 0. 2.003068 0. 0.841695 0. 1.917449 0. 3.226192 0. 4.607568 2. 3.537491 0. 1.248764 0.	1.83905           min           000000         5.7           000000         5.7           000000         6.8           000000         1.7           000000         1.6           000000         1.7           000000         1.3           000000         4.9           564103         20.7           000000         5.8           000000         5.8           000000         5.9           000000         5.9	13.433307           5         4.275947           25%         5           67617         6.9559           338565         11.4841           00880         2.3382           110086         11.5008           26938         5.1100           123564         1.3518           161202         4.3451           151084         6.0354           30973         22.6578           131987         7.6260           27956         4.6841	9.171313 9.171313 9.171313 9.171313 9.171313 9.6.569132 9.6.569132 9.12.817774 9.6.410256 12.817774 9.6.410256 12.817774 9.6.410256 12.817774 9.6.410256 12.817774 13.81774	46.717949 59.294118 max 23.484070 30.923981 26.776860 15.751295 22.767070 57.362100 48.451818 44.244604 13.333333
INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Construction INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Transportation and warehousing, and utilities INDUSTRY_Information INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Professional, scientific, and management, and administrative and waset manage INDUSTRY_Professional, acidentific, and management, and administrative and waset manage INDUSTRY_Professional, acidentific, and management, and administrative and social assistance INDUSTRY_Professional, and recreation, and accommodation and food sen INDUSTRY_Dublic administration	ement serv	6.902184 count 6217.0 6217.	7.464220 mean 7.331474 12.276006 2.435069 11.427652 5.428907 1.449791 4.652983 6.649164 2.3.013534 8.080518 4.704831	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0. 0.841695 0. 1.1917449 0. 3.226192 0. 4.607568 2. 3.537491 0. 1.249764 0. 3.537491 0.	1.83905           min           000000         5.7           000000         5.7           000000         6.8           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         4.9           564103         20.7           000000         5.8           000000         3.4           000000         3.4	5         4.275947           5         4.275947           5         4.275947           5         4.275947           5         5           67617         6.9959           133656         11.4841           08880         2.3382           10088         11.5008           26938         5.1100           225564         1.3518           61202         4.3451           151084         6.0354           30973         22.6578           31967         7.6260           27956         4.6841           48108         4.7913	9.171313 9.171313 75% 6 8.569132 35 16.763840 72 3.055556 39 12.817774 39 6.410256 45 1.836242 27 5.519802 6 8.155457 5 2.56252 7 5.502141 3 5.339557 2 6.722201	42,717949 59,294118 max 23.48470 48,25805 20,507000 30,92381 26,776860 15,751295 22,767070 57,382100 48,451818 44,244604 13,333333 33,966214
INDUSTRY_Adjriculture, forestry, fishing and hunting, and mining INDUSTRY_Construction INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Tenaportation and waterbousing, and utilities INDUSTRY_Information INDUSTRY_Information INDUSTRY_Professional, scientific, and management, and administrative and waste manage INDUSTRY_Afts, eleritational, scientific, and management, and administrative and waste manage INDUSTRY_FY_Tenaportation, and health care and social assistance INDUSTRY_Afts, eleritationent, and recreation, and social assistance INDUSTRY_Afts, eleritationent, and recreation, and social assistance INDUSTRY_Afts, eleritationent, and recreation, and accommodation and food ser INDUSTRY_Afts, eleritationent, and recreation, and accommodation and food ser INDUSTRY_Afts, eleritationent, and recreation, and accommodation and food ser INDUSTRY_Afts, eleritationent, and recreation, and accommodation and food ser	6217.0 6217.0	6.902184 count 6217.0 6217.	7.464220 mean 7.331474 12.276006 2.435069 11.427652 5.428907 1.449791 4.652983 6.649164 23.013534 8.080518 4.704831 5.647885 74.242237	0.000000 std 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0. 0.841695 0. 1.917449 0. 3.226192 0. 4.607568 2. 3.537491 0. 1.249764 0. 3.537491 0. 1.249764 2. 3.537491 0. 1.249764 2. 3.537491 0. 1.249764 2. 3.537491 0. 1.249764 2. 3.537491 0. 1.249764 2. 3.537491 0. 1.249764 2. 3.537491 0. 3.537491 0. 3.5	1.82905           min           000000         5.7           000000         5.7           000000         1.0           000000         1.0           000000         1.0           000000         1.3           000000         4.1           564103         20.7           0000000         4.5           564000         5.9           0000000         4.6           54103         20.7           0000000         4.6           549698         70.6	13.4596/7         13.9567           5         4.275947         251         53           576717         6.9959         33856         11.4841         08880         2.3382           10066         11.5006         25938         5.1100         23544         3518           28593         5.1100         223544         1.3518         61622         4.3451           151084         6.0354         30973         22.6578         313967         7.6260           27956         4.6841         86102         4.7913         4.6841         4.6424           64426         7.56200         7.6260         7.6260         7.6260         7.6260	9.171313 9.171313 75% 6 8.569132 5 16.763840 72 3.055556 39 12.817774 39 6.410256 13.306242 72 5.519802 6 8.155457 75 5.55252 75 5.56252 75 5.502141 73 5.339557 26 6.722201 79.496261	45,717949 59,294118 Bax 23,484070 48,258305 20,507000 30,923881 26,776860 15,751295 22,767070 57,382100 48,451818 44,244604 13,33333 33,965214 88,546314
INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Construction INDUSTRY_Construction INDUSTRY_Monisate trade INDUSTRY_Molesale trade INDUSTRY_Transportation and warehousing, and utilities INDUSTRY_Information INDUSTRY_Information INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Professional, scientific, and management, and administrative and waste manage INDUSTRY_Afts, entertainomet, and recated to administrative and waste manage INDUSTRY_Afts, entertainomet, and except public administration INDUSTRY_Other services, except public administration INDUSTRY_Differ services, except public administration INDUSTRY_Public administration	ment serv	6.902184 count 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0	7.36137 mean 7.331474 12.276006 2.435069 11.427652 5.42807 1.449791 4.452983 6.649164 23.013534 8.080518 4.704831 5.647885 17.340757	0.000000           stat           2.371626         0.           7.013109         0.           2.405289         0.           2.405289         0.           2.003068         0.           0.841695         0.           3.226192         0.           4.607568         2.           3.3537491         0.           1.249764         0.           3.160711         0.           7.666653         27.           6.127882         5.	1.82905           min           000000         5.7           000000         5.7           000000         10.7           000000         10.7           000000         10.7           000000         4.7           000000         4.2           000000         4.2           000000         4.2           000000         4.2           000000         4.2           000000         4.2           000000         4.2           000000         4.2           000000         4.2           000000         4.3           000000         4.3           000000         4.3           000000         4.3           000000         4.3           000000         4.3           000000         4.3           000000         4.3           000000         4.3           000000         4.3           0000000         4.3           0000000         4.3           0000000         4.3           0000000         4.3           0000000         4.3           00000000 <th>15.4.275947           25%         4.275947           25%         5           4.275947         25%           25%         5           507617         6.9959           33365         11.4841           100860         2.3862           210066         11.5008           11.5008         2.3862           2110066         11.5008           12354         1.3518           16102         2.3451           151084         6.0354           30772         2.6757           161907         7.6260           272756         4.6844           44928         75.6050           27272         6.1797</th> <th>9.171313 9.171313 9.171313 9.171313 9.68 8.569132 10.763840 9.8.569132 9.8.10256 10.763840 9.10256 10.763840 9.10256 10.763840 10.86242 10.85457 10.5457 20.51940 10.95457 20.52201 10.7949628 20.122470</th> <th>42,717949 59,294118 wax 23,484070 48,258305 20,507000 30,923681 28,776660 15,751295 22,767070 57,362100 48,4516118 44,451618 44,451618 44,451618 44,451618 44,451618</th>	15.4.275947           25%         4.275947           25%         5           4.275947         25%           25%         5           507617         6.9959           33365         11.4841           100860         2.3862           210066         11.5008           11.5008         2.3862           2110066         11.5008           12354         1.3518           16102         2.3451           151084         6.0354           30772         2.6757           161907         7.6260           272756         4.6844           44928         75.6050           27272         6.1797	9.171313 9.171313 9.171313 9.171313 9.68 8.569132 10.763840 9.8.569132 9.8.10256 10.763840 9.10256 10.763840 9.10256 10.763840 10.86242 10.85457 10.5457 20.51940 10.95457 20.52201 10.7949628 20.122470	42,717949 59,294118 wax 23,484070 48,258305 20,507000 30,923681 28,776660 15,751295 22,767070 57,362100 48,4516118 44,451618 44,451618 44,451618 44,451618 44,451618
LINDUSTRY_Agriculture, forestry, fishing and hunting, and mining     LINDUSTRY_Agriculture, forestry, fishing and hunting, and mining     LINDUSTRY_Construction     LINDUSTRY_Manufacturing     LINDUSTRY_Molesale trade     LINDUSTRY_Molesale trade     LINDUSTRY_Molesale trade     LINDUSTRY_First Annufacturing     LINDUSTRY_Other services, except public administration     LINDUSTRY_Collers Annufacturing     LINDUSTRY_Public administration     LINDUSTRY_Class OF WORKER_First Annufacturing     LINDUSTRY_CLASS OF WORKER_Government workers     LCLASS OF WORKER_Self-Annufacturing     LLASS OF WORKER_COVERNMENT ANNUFACTURE	ment serv rices	6.902396 6.902184 count 6217.0 621	7.30137 <b>nean</b> 7.331474 12.276006 2.435069 11.427652 5.42807 1.449791 4.452983 6.649164 23.013534 8.080518 4.704831 5.647885 74.242237 74.242237 8.131403	0.000000 stat 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.003068 0. 0.841695 0. 1.3197449 0. 3.226192 0. 4.607568 2. 3.337491 0. 1.244764 0. 3.160711 0. 7.7669653 27. 6.127882 6.	1.83905           min           000000         5.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           0000000         4.1           0000000         4.2           0000000         5.4           0000000         5.4           0000000         5.4           0000000         5.4	15.4.275947           25%         4.275947           25%         5           4.275947         25%           25%         5           507617         6.9959           33656         11.4841           10086         2.3382           10086         11.5008           23385         5.1100           12354         1.3518           161024         2.3451           151084         6.0354           151084         6.0354           212755         4.6841           164928         7.56050           164928         7.56050           164928         7.56050           161184         7.0421	B.J.C 1943           9.17131           36           8.569132           55           16.763840           27           3.05556           30           12.817774           39           6.41026           5.519802           1.836242           5.519802           6.2556252           6           5.339557           2           79.496261           2           2           2           9.61021	42,717949 59,294118 max 23,484070 48,258305 20,507000 30,923981 28,778860 15,751295 22,767070 57,362100 48,451818 44,45181844,451818 44,4518184444444445644,4518544444444444444444444444
INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Construction INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_TY_Transportation and warehousing, and utilities INDUSTRY_ITAnsportation and warehousing, and utilities INDUSTRY_Professional, scientific, and naragement, and administrative and waste manage INDUSTRY_Professional, scientific, and management, and administrative and waste manage INDUSTRY_Professional, scientific, and recreation, and accommodation and food sen INDUSTRY_Other services, except public administration INDUSTRY_Other services, except public administration CLASS OF WORKER_Private wage and salary workers CLASS OF WORKER_Overnment workers CLASS OF WORKER_Unpaid family workers	ement serv vices	6.902184 count 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0 6217.0	7.464220 mean 7.331474 12.276006 2.435069 11.427652 6.428907 1.449791 4.652983 6.649164 23.013534 4.652983 6.649164 23.013534 5.647885 74.242237 17.340757 17.340757	0.3000000 stat 2.371626 0. 7.013109 0. 2.405289 0. 2.405289 0. 2.405289 0. 0.841695 0. 1.917449 0. 3.226102 0. 4.607568 2. 3.3537491 0. 1.249764 0. 3.3537491 0. 1.249764 5. 3.3537491 0. 0. 4.607568 2. 3.3537491 0. 0. 4.607568 2. 3.3537491 0. 0. 4.607568 2. 3.160711 0. 0. 4.607569 0. 1.249764 0. 0. 4.607569 0. 0. 0. 4.607568 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	1.83905           min           000000         5.7           000000         6.8           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         4.1           0000000         4.1           0000000         4.1           0000000         4.2           0000000         4.2           0000000         4.2           0000000         5.2           0000000         5.4           0000000         5.4           0000000         5.4           0000000         5.4           0000000         5.4           0000000         5.4           0000000         5.4	10.4000         10.4000           213         5           213         5           213         5           213         5           213         5           213         5           213         5           213         5           2100         11.5000           10.000         11.5000           22364         1.3518           23382         5.1100           22364         1.3518           23382         2.6578           31967         7.6200           27572         6.6841           27572         16.1970           27572         16.1970           10187         7.4212           20030         0.1687	B. J.C 1943           9.17131           36           8.569132           51           6.76340           73           36           8.569132           51           6.76340           73           39           1.2.817774           9           6.41025           1.836242           7           9.5.19802           6           6.55457           9.50252           6.752201           79.496261           20.129470           64           9.401044           9.400244	59.244 59.2484070 48.25805 20.507000 15.75125 25.776860 15.75125 22.787707 57.382100 48.451818 44.244604 13.333333 33.956214 88.548514 65.435191 18.852704
INDUSTRY_Adjection, transportation, and maternal moving occupations INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Montacturing INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Transportation and waterbousing, and utilities INDUSTRY_Information INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Professional, scientific, and management, and administrative and waste manage INDUSTRY_Fortex and health care and social assistance INDUSTRY_Educational services, and health care and social assistance INDUSTRY_Arts, entertainment, and arecreation, and accommodation and food sen INDUSTRY_Other services, except public administration INDUSTRY_Other services, except public administration CLASS OF WORKER_Private wage and salary workers CLASS OF WORKER_Uppaid family workers CLASS OF WORKER_Uppaid family workers	ement serv vices	6.902184 count 6217.0 6	7.364220 mean 7.331474 12.276006 2.435069 11.427652 5.428907 1.449791 4.652983 6.649184 23.013534 4.60578 4.60578 4.608578 4.608578 4.704831 5.647885 7.242237 17.340757 8.131403 0.285603 50.208636 2	0.30000000 seta 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.405289 0. 2.405289 0. 3.226192 0. 3.237491 0. 1.249768 2. 3.537491 0. 1.249764 0. 3.537491 0. 1.249768 2. 4.607568 2. 4.07568 2. 4.07568 2. 4.07569 2. 4.079207 0. 6.127862 5. 4.079207 0. 8.940892 0. 8.840892 0. 8.840892 0. 1.840892 0. 1.	1.823/05           sin           000000         5.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         1.7           000000         4.0           000000         4.1           000000         4.2           000000	15.400000         15.400000           25.4.275947         250           25.4.275947         6.9959           25.4.275947         6.9959           25.4.275947         6.9959           26.4.275947         6.9959           26.4.275947         6.9959           26.8000         1.16000           26.9000         2.6874           25.711         7.6200           272750         6.8641           26100         4.7913           44642         7.6600           272752         16.1970           161184         7.0421           200000         0.16877           223285         5.013977	B.J.C 1943         9.171313           9.171313         78           8         8.569132           51         6.763640           71         3.055556           52         16.763640           73         3.055556           53         16.8175477           55         198024           6         4.10256           6         8.156457           5.519802         6.15457           6         8.156457           5.539567         5.539557           26         6.222622           6         79.496261           10         79.496261           11         79.496261           12         20.124470           13         5.339557           14         9.40541           15         6.922423           16         9.610541           50         0.324832           10         75.411363	45,717949           59,294118           max           23,484070           48,258305           20,507000           30,923881           26,776860           15,751295           22,767070           57,382100           48,451818           44,451818           44,451818           42,44604           13,333333           33,956214           86,546314           65,455191           38,472419           11,852704           100,000000
LINDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Moduction, transportation, and materna moving occupations INDUSTRY_Moduction,INDUSTRY_Manufacturing INDUSTRY_Manufacturing INDUSTRY_Evaluational and waterbousing, and utilities INDUSTRY_PTRY_Transportation and waterbousing, and utilities INDUSTRY_Information INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Foreissional, scientific, and management, and administrative and waste manage INDUSTRY_Foreissional, scientific, and management, and administrative and waste manage INDUSTRY_Foreissional, scientific, and management, and administrative and tools are INDUSTRY_Catter, entertainment, and recreation, and accommodation and food sen 	ment serv //ces	6.902184 count 6217.0 6	7.464220 mean 7.331474 12.27606 2.435069 1.445293 4.65293 4.65293 4.65293 4.65293 4.65293 4.65293 4.65293 4.65293 4.704831 5.647865 74.242237 17.340757 8.131403 0.285603 50.285603 50.28563 50.28563 2.59,911356 2.59,91156 2.59,911566 2.59,911566 2.59,911566 2.59,911566 2.59,9	0.300000 stat 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.405289 0. 2.405289 0. 3.226192 0. 4.807568 2. 3.337491 0. 1.249764 0. 3.327491 0. 1.249764 0. 3.150711 0. 7.669653 27. 6.127882 5. 4.079207 0. 0.470121 0. 8.406962 0. 8.126656 1. 1.	1.83205           in           000000         5.3           000000         1.0           000000         1.0           000000         1.0           000000         4.1           000000         3.4           000000         4.2           000000         4.2           000000         4.2           000000         4.2           0000000         4.2           0000000         4.2           0000000         4.2           0000000         4.2           0000000         4.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2           0000000         5.2	15.400000         15.400000           253         4.275947           254         5.95947           254         5.95947           254         5.95947           254         5.95947           303656         11.4841           98080         2.3382           10066         11.5006           252345         1.5184           161202         4.3451           15104         6.0354           30973         2.5678           310977         2.5628           212957         4.6641           21497         7.62600           21757         16.1970           161184         7.0421           202225         50.1387           214007         50.8227	B.J.C 1343           9.171313           9.171313           9.171313           9.6           9.5           16.76340           7           3.05556           9           1.81774           9           6.410256           1.836242           5.51902           6           8.55257           9.502141           7           9.6.7233           9.6.7247           10.79.496261           12.817774           9.6.724470           10.79.496261           10.10541           20.129470           11           9.024413           12           13           14           9.01541           15           16           17           18           19.01541           19.024470           10           10.224470           10           11           12.55222           13.55220	42,71949 59,294118 max 22,484070 48,28305 20,507000 30,923981 28,776860 15,751295 22,767070 57,382100 48,451818 44,24460 413,33333 33,966214 48,54631191 38,472419 11,882744 10,00000000 10,0000000
INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Agriculture, forestry, fishing and hunting, and mining INDUSTRY_Construction INDUSTRY_Manufacturing INDUSTRY_Molesale trade INDUSTRY_Nolesale trade INDUSTRY_Information INDUSTRY_Information INDUSTRY_Information INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and real estate and rental and leasing INDUSTRY_Finance and insurance, and social assistance CLASS OF WORKER_Government workers CLASS OF WORKER_Government workers CLASS OF WORKER_Unplated family workers CLASS OF WORKER_Unplated family workers CLASS OF WORKER_Covernment workers CLASS OF WORKER_Covernment workers CLASS OF WORKER_Covernment workers CLASS OF WORKER_COVERS	s s	6.902184 count 6217.0 6217.	7,464220 mean 7,331474 12,27606 2,435089 11,427652 5,428907 1,449791 4,452983 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 23,01534 4,652883 6,649164 4,652883 6,649164 4,652883 6,649164 4,704831 5,647885 7,242627 8,131403 0,255663 5,025865 5,025865 5,025865 5,025865 5,025865 5,025865 5,025865 5,0258655 5,0258655 5,0258655 5,0258655 5,0258655 5,02	0.3000000 stat 2.371626 0. 7.013109 0. 1.192019 0. 2.405289 0. 2.405289 0. 0.841695 0. 1.117449 0. 3.226162 0. 4.807568 2. 3.3537491 0. 1.249764 0. 3.3537491 0. 1.249764 0. 3.3537491 0. 0.4701207 0. 0.4701207 0. 0.4701207 0. 0.4701207 1. 0. 8.128825 4. 7.128975 1. 1.	1.83905           sin           000000         5.           000000         6.           000000         6.           000000         1.           000000         1.           000000         4.           000000         4.           000000         4.           000000         4.           000000         4.           000000         4.           000000         5.           000000         5.           000000         5.           000000         5.           000000         5.           000000         6.           633803         13.           000000         5.           000000         5.           000000         6.           633803         13.           000000         5.           000000         5.           000000         5.           000000         5.           000000         5.           000000         5.           000000         5.           000000         5.           000000         5.      <	15.4000/1         15.4275947           25         4.275947           5         4.275947           6.955         5.14           9.8767617         6.9559           11.4841         6.9559           11.0068         11.5006           11.5006         11.5006           28335         5.1100           28345         5.1100           28345         5.1100           28354         1.3518           16102         4.3451           16102         4.3451           17575         6.1001           184927         75.6050           172775         16.1167           184928         56.050           194040         50.8227           104011         7.0421           100020         50.187           114007         50.8227           114007         50.8227	B.J.C 1943         9.171313           9.171313         78           68         8.569132           51         16.76840           52         15.76840           53         16.76840           54         1.2817774           53         16.76840           52         15.56802           53         1.836242           5         1.836242           5         5.53905           60         9.502141           73         5.539557           2         0.124707           5         9.490261           2         0.124707           5         0.10541           5         0.24832           2         0.24492           2         0.24492           32         0.524932           32         7.5155280           33         9.541334	<ul> <li>42.71949</li> <li>59.294118</li> <li>max</li> <li>22.484070</li> <li>48.25805</li> <li>20.507000</li> <li>30.923981</li> <li>28.776860</li> <li>15.751255</li> <li>22.767070</li> <li>57.382100</li> <li>48.451818</li> <li>44.244604</li> <li>13.333333</li> <li>33.966214</li> <li>88.5435191</li> <li>38.472419</li> <li>11.852744</li> <li>100.000000</li> <li>78.73373</li> <li>79.000000</li> </ul>

With retinement income6477.05.0703.60.0000015.2287.70.0000015.2287.70.0000015.2287.70.00000<					count	mean	std	min	25%	501	75	is max
With Spademantal Security Income617106.881102.8888406.000006.764806.0882876.0802875.080575.00000With Food StampSHAP bendlin in the part 12 months617106.715106.715106.715106.715106.715106.715106.715107.1588006.000007.1588007.1588006.00000Mean family income dollins6.71706.0010178.101862.0000471.000006.715107.1588006.00000Port capils income dollins6.71706.021706.2018710.0004711.001802.0014911.011822.0137012.013805.0171421.000000Modian nortinity income dollins6.71706.71706.71706.7017401.024402.052707.71778.7177778.7177778.7177778.717777 <t< th=""><th>With retire</th><th>ement income</th><th></th><th></th><th>6217.0</th><th>19.358793</th><th>5.076345</th><th>0.000000</th><th>15.922987</th><th>19.217614</th><th>22.55388</th><th>51.659171</th></t<>	With retire	ement income			6217.0	19.358793	5.076345	0.000000	15.922987	19.217614	22.55388	51.659171
With cod Stamp MAP benetis in the past 12 months         62170         24315         1.8897         0.00000         0.48322         2.18956         3.056473           With Pood Stamp MAP benetis in the past 12 months         62170         67.40580         5.299451         41.02150         64.0000         872021         7.28322         7.28322         8.000000           Meadin femily income dollar         62170         6.02110         2.01986         2.01914         1.10124         8.28379         50.91449         7.162081         0.000000           Per capta income dollar         62170         50.24347         2.022091         1.024451         2.83379         50.74547         7.511268         100.00000           Median enrothemily households         62170         50.78347         2.802795         50.74547         7.51168         60.00000           Median enrothemily households         62170         0.78497         8.01179         10.78203         10.00000         7.48283         12.94977         10.00000           With health insurance coverage         With prote health insurance coverage         62170         0.674977         0.74537         10.00000         2.43286         0.524841         0.50000         0.000000         0.600000         10.80000         10.800000         10.80000         0.729	With Supplement	ntal Security In	come		6217.0	5.621193	2.889843	0.000000	3.674669	5.068282	6.96681	15 25.289751
With Flood StampBiAl/A benefits in the past 1 zenothe         6217.0         1 3.5111         6.35101         1 1.273207         1 2.73207 <th>With cash public</th> <th>c assistance in</th> <th>icome</th> <th></th> <th>6217.0</th> <th>2.433156</th> <th>1.585097</th> <th>0.000000</th> <th>1.485342</th> <th>2.159656</th> <th>3.03626</th> <th>30.650407</th>	With cash public	c assistance in	icome		6217.0	2.433156	1.585097	0.000000	1.485342	2.159656	3.03626	30.650407
Femalities         62170         67.4338.00         5.399451         41.02805         67.96901         70.030050         79.69901         70.030050 <t< th=""><th>With Food Stamp/SNAP b</th><th>enefits in the</th><th>past 12 mont</th><th>hs</th><th>6217.0</th><th>13.514114</th><th>6.483557</th><th>0.000000</th><th>8.792012</th><th>12.735327</th><th>17.26382</th><th>23 54.706685</th></t<>	With Food Stamp/SNAP b	enefits in the	past 12 mont	hs	6217.0	13.514114	6.483557	0.000000	8.792012	12.735327	17.26382	23 54.706685
Median family income dollars         62170         602111         8021000         80.8800         7.082074         7.80200         10.000000           Per capita income dollars         62170         602111         80.1980         7.08208         7.08008	Fa	milies			6217.0	67.425980	5.299451	41.021580	64.405605	67.566901	70.66620	6 89.054888
Mean family income dollars         66170         50.9111         2.11161         26.8388         50.97149         7.514293         100.00000           Nonfamily income dollars         62170         30.52400         5.99451         10.8124         62.8705         50.91161         7.514293         100.00000           Median nonfamily income dollars         62170         50.25440         28.0000         1.02445         28.45093         50.75142         7.503156         100.00000           Median nonfamily income dollars         62170         50.75240         2.24447         28.6533         50.7524         7.80756         100.00000           With heath insurance coverage         62170         38.78427         10.14796         30.0722         28.40806         60.8056         10.00000           With heath insurance coverage         62170         38.78427         8.01478         10.49964         30.00722         28.40806         60.8056         41.1241           Civilian noninstitutionalized population under 18 yars         62170         38.47847         8.01478         10.49964         30.00722         28.40806         60.8056         41.1247           Civilian noninstitutionalized population under 18 yars         62170         8.47815         38.44181         0.000000         0.000000	Median famil	y income dolla	ars		6217.0	50.925199	28.066487	1.708075	26.645963	50.838509	75.16299	3 100.000000
Per capita income dollars         62170         60.24479         28.07104         1.180174         26.37768         50.1142         1.20174         24.83076         50.1142         1.00000           Median nontamily income dollars         62170         20.25433         28.05276         50.74580         50.74580         50.74580         50.74580         50.74580         50.74580         50.74580         50.75180         10.00000           Median annigativi income dollars         62170         63.75180         21.102447         26.55271         50.75181         50.85372         70.03168         10.00000           With healtin moninattrutionalized population         62170         64.35578         10.74550         10.649924         77.82832         65.73218         70.03168         40.0378         45.85333           With healtin insurance coverage         62170         10.84715         3.347147         80.1478         10.14966         30.00000         0.00000         0.00000         10.00000           Urthan, inside urban insurance coverage         62170         10.84715         3.347147         80.1478         3.00000         0.00000         0.00000         0.00000         0.00000         0.00000         0.00000         0.00000         0.00000         0.00000         0.00000         0.000000	Mean family	r income dolla	rs		6217.0	50.910111	28.101886	2.111801	26.583851	50.807453	75.16299	3 100.000000
Neartamily locussholds         62170         32.59436         10.345112         23.3378         42.34309         53.94305         63.93006         60.000000         60.00000         60.00000	Per capita	income dollars	5		6217.0	50.924479	28.070149	1.180124	26.637690	50.916149	75.12422	24 100.000000
Median nontamily income dollars         62170         50.8284.8         82.02080         10.2448         28.49685         50.74582         7.475175         10.000000           Median nontamily income dollars         62170         50.91249         20.44070         0.4447         26.53213         50.87572         7.69316         10.00000           Civilian noninstitutionalized population         62170         50.91249         20.44070         0.44778         87.8232         67.72218         76.8321         67.7218         68.8710         76.8322         67.72218         76.8322         67.72218         76.8322         67.72218         76.8322         67.72218         76.8322         67.72218         76.8322         45.72218         77.858         68.87823         67.72218         76.84323         45.83223         67.72218         76.841718         68.8884           Urban institutionalized population the 9 years         62170         58.78175         3.44616         34.53624         57.84504         58.84961         60.00000         16.98894         10.000000           Urban institutionalized population the 9 years         62170         18.84714         7.338721         1.11111         11.31207         15.84142         28.358961         10.0000000         16.989237         15.845814         86.536961         <	Nonfamily	y households			6217.0	32.574020	5.299451	10.945112	29.333794	32.433099	35.59439	95 58.978420
Mean nontamily income dollar         62170         50.28341         80.68741         00.24847         26.85278         50.48377         75.0000000           With health insurance coverage         62170         97.38153         10.48370         10.48230         80.8574         80.8577         10.000000           With health insurance coverage         62170         97.8153         10.48250         10.72233         12.86226         67.72078         98.67106         99.085456         10.00000           With health insurance coverage         62170         13.61927         5.546746         2.117047         9.529433         12.84967         16.840176         46.58664           Civilian noninstitutionalized population under 18 years         62170         13.549715         3.44916         0.000000         16.009385         39.52814         10.000000           Urban, Inside urbanized areas         62160         16.349115         3.43140         0.000000         16.009385         39.52814         10.000000           Male_Ed_Less_Than_High.School         62170         16.827474         7.333271         1.11111         11.312027         15.45427         21.33581         16.86329         31.53577         36.83684         10.000000           Male_Ed_Less_Than_High.School         62170         17.829728	Median nonfan	nily income do	llars		6217.0	50.829453	28.022089	1.024845	26.645963	50.791680	75.03105	56 100.000000
Median aziming for mate full-time, year-round workers dollars         6217.0         50312469         20,4087.0         0.24847         26,82313         0.82313         61710         50,000000           With health insurance coverage. With private health insurance         6217.0         34,79437         80,4170         10,106903         0.07228         34,4000         023,40178         62,82133           No health insurance coverage.         6217.0         34,79437         80,4174         10,14968         30,07228         34,40178         62,82133           No health insurance coverage         6217.0         34,79437         80,4174         10,14968         30,00000         23,43468         56,84011         84,56804           Civilian noninstitutionalized population under 18 years         6217.0         12,84716         33,43415         0,000000         0,000000         17,69895         100,000000           With	Mean nonfam	ily income dol	lars		6217.0	50.783941	28.059741	0.776156	26.552795	50.745342	2 74.97671	15 100.000000
Civilian noninstitutionalizadi population         civilion         civivilion         civilion         civilion <th>Median earnings for male full</th> <th>-time, year-rou</th> <th>ind workers</th> <th>dollar</th> <th>s 6217.0</th> <th>50.912499</th> <th>28.048070</th> <th>0.248447</th> <th>26.653213</th> <th>50.853772</th> <th>2 75.09316</th> <th>58 100.000000</th>	Median earnings for male full	-time, year-rou	ind workers	dollar	s 6217.0	50.912499	28.048070	0.248447	26.653213	50.853772	2 75.09316	58 100.000000
With health insurance coverage         6217.0         64.889.7         10.74230         10.089924         57.8802.0         72.7018.0         62.81233           With health insurance coverage         6217.0         13.619275         5.546746         2.117647         9.529433         12.99467         16.842173         44.568694           Civilian noninstitutionalized population under 18 years         6217.0         23.74715         3.44116         0.00000         0.00000         0.00000         17.66985         100.00000           Urban.Inside urbanized areas         6216.0         22.055423         24.32856         0.00000         0.00000         10.000000         11.89237         15.49328         22.1538         10.000000         10.89237         15.49328         22.1538         10.82577         8.08388         41.63208572 <th>Civilian noninstitu</th> <th>itionalized pop</th> <th>oulation</th> <th></th> <th>6217.0</th> <th>97.381536</th> <th>4.112341</th> <th>40.677966</th> <th>97.720798</th> <th>98.671096</th> <th>99.08545</th> <th>56 100.000000</th>	Civilian noninstitu	itionalized pop	oulation		6217.0	97.381536	4.112341	40.677966	97.720798	98.671096	99.08545	56 100.000000
With nearmin sturatines coverage         0217.0         30.411/15         01.149900         30.007/22         35.44300         40.21013         60.421113         60.421013         60.421113         60.421	With health insurance covera	ge_With priva	te health ins	uranc	e 6217.0	64.885678	10.742530	16.069924	57.882632	65.732218	72.70155	92.855030
No mean         Baltrin         Baltrin <t< th=""><th>With health insurance co</th><th>verage_with p</th><th>ublic covera</th><th>ge</th><th>6217.0</th><th>35.479437</th><th>8.014178</th><th>10.149966</th><th>30.007292</th><th>35.480360</th><th>40.82101</th><th>13 66.281233</th></t<>	With health insurance co	verage_with p	ublic covera	ge	6217.0	35.479437	8.014178	10.149966	30.007292	35.480360	40.82101	13 66.281233
Civilian normanizationalizate jopulation in their is years         62/1/0         23.448/16         0.000.00         24.54804         58.84804         28.84806         24.530244         41.54024           Civilian normastitutionalizate population is to 64 years         62/16.0         95.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         35.85616         16.803000         0.000000         16.083985         39.526140         100.000000           Male_Ed_Less_Than_High_School         62/17.0         16.827748         7.33721         1.111111         11.312072         15.45127         21.335816         51.865972           Male_Ed_Bom_College_Or_Associates         6217.0         16.827748         7.33721         1.11111         11.312072         15.491833         89.221538           Male_Ed_Bom_College_Or_Associates         6217.0         17.491936         8.50109         0.000000         11.69237         15.499533         21.123216         76.591333           Female_Ed_Isschool_Graduated         6217.0         19.942911         6.682593         7.679572         28.86755         33.86075         37.734325         54.075032           Female_Ed_Jenchors_Deg	No nearth ins	urance covera	ige		6217.0	13.619275	5.546746	2.11/64/	9.529433	12.994967	16.84017	46.588694
Circlinal nonmantation population is to e years         Ec/1/0         Subscription         Subscription<		ed population	under 18 yea	ars	6217.0	23.4/0115	3.448116	0.000000	57.054000	23.436466	25.20928	4 41.540287
Ordam_maske insake i		zed population	18 to 64 yea	irs	6217.0	10 540115	3.546616	34.563462	57.854804	59.849913	17 66085	9 94.117647
Ordam_made dram clasters         b216.0         22.0594.3         23.42896         0.00000         10.00000         10.000000           Rural         count         mean         std         min         25%         50%         75%         max           Rural         6216.0         59.398462         31.484394         0.00000         34.38666         60.586481         85.63961         100.00000           Male_Ed_Less_Than_High_School         G217.0         16.82778         7.338721         1.11111         11.312072         15.451427         21.353581         51.865972           Male_Ed_Bome_College_Or_Associates         6217.0         16.82778         7.338721         1.11111         11.312072         15.451427         21.353587         5.869863         41.632963         89.221538           Male_Ed_Bome_College_Or_Associates         6217.0         17.491936         8.501019         0.000000         11.689237         15.499533         21.12216         76.591333           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         13.945711         6.186328         2.633333         13.920180         37.4424         54.07502           Female_Ed_High_School_Graduated         6217.0         31.920180         17.754219         2.268235         75.539967           t	Urban_Inside	e urbanized are	as		6216.0	18.546115	33.374155	0.000000	0.000000	0.000000	17.66985	100.000000
councounforfor2150755maxRural627081.48430.000081.886060.586485.896485.896485.896485.896485.896485.896485.896485.896485.895885.8958485.8958	Urban_Insio	e urban ciuste	rs		6216.0	22.055423	23.432050	0.000000	0.000000	16.093985	39.52614	100.000000
Rural         6216.0         59.398462         31.484394         0.00000         34.388606         60.586481         88.53691         100.00000           Male_Ed_Less_Than_High_School         6217.0         16.827748         7.33721         1.11111         11.31272         15.51427         21.353581         51.865972           Male_Ed_Bone         Genode         Gardauted         6217.0         29.328352         5.950844         620000         25.95851         29.342313         31.15977         60.284499           Male_Ed_Bachelors_Degree_Or_Higher         6217.0         13.945711         6.166253         7.67527         28.33675         3.380675         3.734324         54.45032           Female_Ed_High_School_Graduated         6217.0         33.626273         5.468187         10.925217         29.90999         3.469480         37.25552         6.2985394           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         13.924917         7.83338         2.633333         13.92180         17.564219         22.682835         75.539967           total_votes_x         6216.0         61.455151         15.356414         4.087474         52.067471         63.48829         72.93240         96.033433           democrat_vots_percent_x         6216.0         13.28767         12.			cou	nt	mean	std	1 1	min	25%	50%	75%	max
Male_Ed_Less_Than_High_School       6217.0       16.827748       7.338721       1.111111       11.312072       15.451427       21.35381       51.865972         Male_Ed_High_School_Graduated       6217.0       36.397218       7.525590       6.632099       31.533577       36.836388       41.632983       89.221538         Male_Ed_Bachelors_Degree_Or_Higher       6217.0       17.491936       8.501019       0.000000       11.689237       15.499533       21.123216       76.591333         Female_Ed_Less_Than_High_School       6217.0       13.945711       6.18332       0.564972       9.924687       12.827531       17.71203       51.46392         Female_Ed_Some_College_Or_Associates       6217.0       33.656273       5.468167       0.925213       29.99089       33.469480       7.225592       62.985394         Female_Ed_Bocheiors_Degree_Or_Higher       6217.0       13.924921       7.839338       2.633333       13.92101       17.64219       22.68283       7.539967         total_votes	Rural		621	6.0	59.398462	31.484394	0.000	000 34.38	88606 60.5	86481 88	.536961	100.000000
Male_Ed_High_School_Graduated         6217.0         36.397218         7.525590         6.632099         31.533577         36.89388         41.632883         89.221538           Male_Ed_Some_College_Or_Associates         6217.0         92.83526         5.950844         6.20000         25.39561         29.342313         33.15977         60.284499           Male_Ed_Bachelors_Degree_Or_Higher         6217.0         17.491936         8.501019         0.000000         11.689237         15.499533         21.123216         76.591333           Female_Ed_Less_Than_High_School         Graduated         6217.0         33.459711         6.186322         9.324687         12.827531         17.712403         51.46932           Female_Ed_Bachelors_Degree_Or_Associates         6217.0         33.65273         5.468167         10.925213         29.80989         33.46940         37.226592         62.86333           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         9.294921         7.83938         2.633333         13.921180         17.564219         2.868283         75.539967           total_vote_percent_x         6216.0         34.94473         15.349660         31.44654         23.34675         32.920656         44.518859         33.38328           Age_0_0_To_9         6217.0         12.386477	Male_Ed_Less_Than	_High_Schoo	<b>b</b> 621	7.0	16.827748	7.338721	1.111	111 11.31	2072 15.4	51427 21	.353581	51.865972
Male_Ed_some_College_Or_Associates       6217.0       29.283526       5.950844       6.20000       25.39587       29.342313       33.159767       60.284499         Male_Ed_Bachelors_Degree_Or_Higher       6217.0       17.491936       8.501019       0.000000       11.689237       15.499533       21.12316       76.591333         Female_Ed_Less_Than_High_School       Graduated       6217.0       13.945711       6.186332       0.564972       9.324687       12.827531       17.712403       51.546392         Female_Ed_Bachelors_Degree_Or_Higher       6217.0       33.36273       5.468187       10.925213       29.90989       33.469480       37.225592       62.985394         Female_Ed_Bachelors_Degree_Or_Higher       6217.0       19.294921       7.839338       2.633333       13.920180       17.564219       22.682835       75.539967         total_votes_x       6216.0       61.455151       15.356414       4.087474       62.067471       63.488299       72.933240       96.033403         demoorat_vote_percent_x       6216.0       34.946473       15.34660       3.14654       23.35675       32.920656       44.518845       93.88328         Age_0_To_9       6217.0       12.386471       2.24323       0.000000       12.176109       32.77793       43.30402 </th <th>Male_Ed_High_Scho</th> <th>ol_Graduate</th> <th>d 621</th> <th>7.0</th> <th>36.397218</th> <th>7.525590</th> <th>6.632</th> <th>099 31.53</th> <th>33577 36.8</th> <th>36388 41</th> <th>.632983</th> <th>89.221538</th>	Male_Ed_High_Scho	ol_Graduate	d 621	7.0	36.397218	7.525590	6.632	099 31.53	33577 36.8	36388 41	.632983	89.221538
Male_Ed_Bachelors_Degree_Or_Higher       6217.0       17.491936       8.501019       0.000000       11.689237       15.499533       21.123216       76.591333         Female_Ed_Less_Than_High_School       6217.0       13.945711       6.188332       0.564972       9.324687       12.82751       17.712403       51.548332         Female_Ed_High_School_Graduated       6217.0       33.3151       6.662553       7.679527       28.36755       33.30675       37.734324       54.075032         Female_Ed_Bachelors_Degree_Or_Higher       6217.0       33.626273       5.468187       10.925213       29.80898       33.469480       37.226592       62.985394         Female_Ed_Bachelors_Degree_Or_Higher       6217.0       19.294921       7.839338       2.633333       13.92180       17.564219       22.682835       75.539967         total_votes_x       6216.0       61.455151       15.356414       4.08747       52.067471       63.48299       72.933240       96.033403         democrat_vote_percent_x       6216.0       34.94473       15.349600       31.44654       23.54675       32.80266       44.518845       93.88328         Age_0_To_9       6217.0       13.286781       19.5162       0.000000       12.176109       13.27793       14.30140       27.30870	Male Ed Some College	or Associ	ates 621	7.0	29.283526	5,950844	6.200	000 25.39	95851 29.3	42313 33	159787	60.284499
Female_Ed_Less_Than_High_School         6217.0         13.945711         6.186332         0.564972         9.32467         12.827531         17.712403         51.546392           Female_Ed_High_School_Graduated         6217.0         33.133151         6.662553         7.679527         28.83675         33.80675         37.734324         54.075032           Female_Ed_Bome_College_Or_Associates         6217.0         33.626273         5.468187         10.925213         29.98098         34.469480         37.226592         6.283333           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         19.29421         7.839338         2.633333         13.92/180         17.564219         22.68285         75.539967           total_votes_x         6216.0         67.095031         9.730132         15.209542         50.17372         57.245024         63.589010         116.926070           republican_vote_percent_x         6216.0         61.455151         15.356414         4.087475         23.05675         33.489480         72.933240         96.033403           democrat_vote_percent_x         6216.0         61.455151         15.356414         4.087475         23.920555         4.51885         93.386328           Age_0_T_S_1_6_1         6217.0         12.384673         15.349600         12.995770	Male Ed Bachelors De	aree Or Hic	<b>ther</b> 621	7.0	17 491936	8 501019	0,000	000 11 68	9237 15.4	99533 21	123216	76 591333
Pennale_Ed_Ces_1nian_ng_curiodi         6217.0         15.94711         6.1693.2         0.304972         9.324637         12.22731         17.174403         91.396332           Female_Ed_High_School_Graduated         6217.0         33.133151         6.66253         7.679527         28.83675         33.330675         37.734324         54.075032           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         13.262673         5.668167         10.925213         29.980989         33.469480         37.226592         62.985394           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         19.294921         7.839338         2.633333         13.920180         17.564219         22.682835         75.539967           total_votes_x         6216.0         61.455151         15.356414         4.087474         52.067471         63.48829         72.8393240         96.033403           democrat_vote_percent_x         6216.0         61.455151         15.356414         0.0895770         12.286755         13.522811         24.583333           Age_0_To_9         6217.0         12.38447         2.24323         0.00000         12.176109         13.27799         14.330140         27.330870           Age_20_To_44         6217.0         23.501804         3.308163         8.612846         21.557	Female Ed Loss The	n High Coh	al 621	7.0	12 045711	6 196330	0.000	070 0.00	A697 10.9	07501 17	712402	F1 E46202
Female_Ed_migSchool_uraduated         5217.0         33.133151         5.665533         7.679527         28.387.55         33.380675         37.74322         54.07032           Female_Ed_Some_Colleg_Or_Associates         6217.0         33.626273         5.468187         10.925213         29.980989         33.469480         37.226592         62.985394           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         19.294921         7.839338         2.633333         13.920180         17.564219         22.682835         75.539967           total_votes_x         6216.0         57.095031         9.730132         15.209542         50.71732         57.245024         63.589010         116.926070           republican_vote_percent_x         6216.0         61.455151         15.356414         4.087474         52.067471         63.488299         72.933240         96.033403           democrat_vote_percent_x         6216.0         34.946473         15.349660         31.44654         23.354675         32.920656         44.518845         93.386328           Age_0_0_0_9         6217.0         12.338447         2.24323         0.000000         12.176109         13.27793         14.30140         27.330870           Age_0_5_To_44         6217.0         23.501804         3.308163         8.6124	Female_Ed_Less_That	n_nign_scho		7.0	13.945711	0.100332	0.564	972 9.32	4007 12.0	27531 17	.712403	51.540392
Female_Ed_Some_College_Or_Associates         6217.0         33.626273         5.468187         10.925213         29.980989         33.468480         37.226592         62.985394           Female_Ed_Bachelors_Degree_Or_Higher         6217.0         19.294921         7.839338         2.633333         13.920180         17.564219         22.682835         75.539967           total_votes_x         6216.0         57.095031         9.730132         15.209542         50.717372         57.245024         63.589010         116.926070           republican_vote_percent_x         6216.0         61.455151         15.356414         4.087474         52.067471         63.488297         72.933240         96.033033           democrat_vote_percent_x         6216.0         34.946473         15.349660         31.44654         23.354675         32.920656         44.518845         93.386328           Age_0T_0_9         6217.0         12.33847         2.243323         0.000000         12.176109         13.27793         14.30140         27.330870           Age_25_To_44         6217.0         23.501804         3.308163         8.612848         21.553714         23.419732         25.27373         45.882353           Age_65_To_44         6217.0         27.732364         3.158409         9.03882 <th< th=""><th>Female_Ed_High_Sch</th><th>ool_Graduat</th><th>ed 621</th><th>7.0</th><th>33.133151</th><th>6.662553</th><th>3 7.679</th><th>527 28.83</th><th>36755 33.3</th><th>80675 37</th><th>.734324</th><th>54.075032</th></th<>	Female_Ed_High_Sch	ool_Graduat	ed 621	7.0	33.133151	6.662553	3 7.679	527 28.83	36755 33.3	80675 37	.734324	54.075032
Female_Ed_Bachelors_Degree_Or_Higher         6217.0         19.294921         7.839338         2.633333         13.920180         17.564219         22.682835         75.539967           total_votes_x         6216.0         67.095031         9.730132         15.209542         50.717372         57.245024         63.589010         116.926070           republican_vote_percent_x         6216.0         61.455151         15.356414         4.087474         52.067471         63.488299         72.933240         96.033403           democrat_vote_percent_x         6216.0         34.946473         15.349660         3.144654         23.35475         32.920666         44.518845         93.386328           Age_0To_9         6217.0         12.33847         2.243323         0.00000         12.17610         13.27793         14.30140         27.330870           Age_20To_24         6217.0         6.276158         2.53040         0.284900         5.047170         5.807826         6.768792         32.503577           Age_25_To_44         6217.0         27.732364         3.158840         9.03882         26.13350         27.61532         19.316202         53.106375           Age_65_To_44         6217.0         16.865549         4.400899         3.85470         13.96087         16.39322<	Female_Ed_Some_Colleg	ge_Or_Assoc	iates 621	7.0	33.626273	5.468187	10.925	213 29.98	30989 33.4	69480 37	.226592	62.985394
total_votes_x         6216.0         57.095031         9.730132         15.209542         50.71732         57.245024         63.589010         116.926070           republican_vote_percent_x         6216.0         61.455151         15.356414         4.087474         52.067471         63.488299         72.933240         96.033403           democrat_vote_percent_x         6216.0         34.946473         15.349660         3.144654         23.35475         23.920556         44.518845         93.386328           Age_0_To_9         6217.0         12.33847         2.243323         0.00000         12.17610         13.27793         14.330140         27.330870           Age_20_To_4         6217.0         6.276158         2.53040         0.28490         5.047170         5.807826         6.768792         32.503577           Age_25_To_44         6217.0         23.51804         3.308163         8.61284         21.53714         23.419732         25.27373         45.882353           Age_65_To_44         6217.0         27.732364         3.15840         9.03882         26.13350         27.81534         29.41843         55.066079           Age_65_To_44         6217.0         16.865549         4.400899         3.85470         13.28145         29.53562         60.202840 <th>Female_Ed_Bachelors_D</th> <th>Degree_Or_H</th> <th>igher 621</th> <th>7.0</th> <th>19.294921</th> <th>7.839338</th> <th>3 2.633</th> <th>333 13.92</th> <th>20180 17.5</th> <th>64219 22</th> <th>.682835</th> <th>75.539967</th>	Female_Ed_Bachelors_D	Degree_Or_H	igher 621	7.0	19.294921	7.839338	3 2.633	333 13.92	20180 17.5	64219 22	.682835	75.539967
republican_vote_percent_x         6216.0         61.455151         15.356414         4.087474         52.067471         63.488299         72.933240         96.033403           democrat_vote_percent_x         6216.0         34.946473         15.349660         3.144554         23.354675         32.920656         44.518845         93.386328           Age_0_To_9         6217.0         12.33847         2.243323         0.00000         10.995770         12.328755         13.522981         24.583333           Age_0_To_9         6217.0         13.285678         1.953162         0.00000         12.176109         13.277993         14.30140         27.30870           Age_25_To_4         6217.0         6.276158         2.53040         0.284900         5.047170         5.807826         6.768792         32.503577           Age_65_To_4         6217.0         2.501804         3.308163         8.61284         21.53714         23.419732         25.27373         45.882353           Age_65_To_44         6217.0         27.732364         3.15840         9.03882         26.13350         27.861534         29.418433         55.066079           Age_65_To_44         6217.0         27.484039         8.24428         4.910984         21.823111         26.85548         6.022840	total_vote:	s_x	621	6.0	57.095031	9.730132	2 15.209	542 50.71	7372 57.2	45024 63	.589010	116.926070
democrat_vote_percent_x       6216.0       34.946473       15.349660       3.144654       23.354675       32.920656       44.518845       93.386328         Age_0_To_9       6217.0       12.338447       2.243323       0.00000       10.995770       12.236755       13.522981       24.583333         Age_0_To_19       6217.0       13.285678       1.953162       0.00000       12.176109       13.277993       14.30110       27.30870         Age_25_To_4       6217.0       6.276158       2.53040       0.284900       5.047170       5.807826       6.68792       32.50357         Age_25_To_4       6217.0       23.501804       3.308163       8.61288       21.533714       23.419732       25.273793       45.882363         Age_65_To_44       6217.0       16.865549       4.400899       3.85470       13.96097       16.49325       19.31620       53.166375         Income_0k_25k       6217.0       27.484039       8.244248       4.910984       21.82111       26.597897       29.142687       47.297297         Income_5k_50k       6217.0       26.61313       4.039766       8.108108       24.543564       26.977897       29.142687       47.297297         Income_50k_75k       6217.0       18.656202       2.867973 </th <th>republican_vote_</th> <th>percent_x</th> <th>621</th> <th>6.0</th> <th>61.455151</th> <th>15.356414</th> <th>4.087</th> <th>474 52.06</th> <th>63.4</th> <th>88299 72</th> <th>.933240</th> <th>96.033403</th>	republican_vote_	percent_x	621	6.0	61.455151	15.356414	4.087	474 52.06	63.4	88299 72	.933240	96.033403
Age_0_To_9         6217.0         12.338447         2.243323         0.00000         10.995770         12.236755         13.522981         24.583333           Age_10_To_19         6217.0         13.285678         1.953162         0.00000         12.176109         13.27793         14.301140         27.330870           Age_20_To_24         6217.0         6.276158         2.53040         0.284900         5.047170         5.807826         6.768792         32.503577           Age_25_To_44         6217.0         23.501804         3.308163         8.612848         21.553714         23.419732         25.273793         45.882353           Age_65_To_44         6217.0         27.732364         3.158840         9.038882         26.133350         27.861534         29.418433         55.066079           Age_65_To_44         6217.0         16.865549         4.400899         3.854570         13.960987         16.493235         19.316202         53.106375           Income_0k_25k         6217.0         27.484039         8.244248         4.910984         21.823111         26.85946         32.535628         60.202840           Income_5k_50k         6217.0         28.661313         4.039766         8.108108         24.438344         26.97897         29.142687 <th< th=""><th>democrat_vote_</th><th>percent_x</th><th>621</th><th>6.0</th><th>34.946473</th><th>15.349660</th><th>3.144</th><th>654 23.35</th><th>54675 32.9</th><th>20656 44</th><th>.518845</th><th>93.386328</th></th<>	democrat_vote_	percent_x	621	6.0	34.946473	15.349660	3.144	654 23.35	54675 32.9	20656 44	.518845	93.386328
Age_10_To_19       6217.0       13.285678       1.953162       0.00000       12.176109       13.27793       14.30140       27.30870         Age_20_To_24       6217.0       6.276158       2.53040       0.284900       5.047170       5.807826       6.768792       32.503577         Age_25_To_44       6217.0       23.501804       3.30163       8.61288       21.553714       23.19732       25.27379       45.882353         Age_45_To_64       6217.0       27.732364       3.158840       9.038882       26.13350       27.81534       29.418433       55.066079         Age_65_To_44       6217.0       27.484039       8.24248       4.910984       21.823111       26.85946       32.535628       60.202840         Income_0k_25k       6217.0       27.484039       8.24248       4.910984       21.823111       26.85946       32.535628       60.202840         Income_50k_75k       6217.0       26.661313       4.039766       8.108108       24.543564       26.977897       29.142687       47.297297         Income_50k_75k       6217.0       18.656202       2.867973       6.640106       16.895522       18.732724       20.471281       30.781628         Income_100k_200k       6217.0       11.537413       2.777999	Age_0_To	_9	621	7.0	12.338447	2.243323	0.000	000 10.99	5770 12.2	36755 13	.522981	24.583333
Age_20_To_24         6217.0         6.276158         2.53040         0.284900         5.047170         5.807826         6.768792         32.503577           Age_25_To_44         6217.0         2.3501804         3.308163         8.612848         21.553714         23.419732         25.273793         45.882353           Age_45_To_64         6217.0         27.732364         3.158840         9.038882         26.133350         27.861534         29.418433         55.066079           Age_65_To_44         6217.0         16.865549         4.400899         3.854570         13.960987         16.493235         19.316202         53.106375           Income_0k_25k         6217.0         27.484039         8.244248         4.910984         21.823111         26.856946         32.535628         60.202840           Income_5bk_50k         6217.0         26.661313         4.039766         8.108108         24.543564         26.97787         29.142687         47.297297           count         mean         std         min         25%         50%         75%         max           Income_50k_75k         6217.0         18.656202         2.867973         6.640106         16.895522         18.732724         20.471281         30.781628           Income_100k_20	Age_10_To	_19	621	7.0	13.285678	1.953162	2 0.000	000 12.17	76109 13.2	77993 14	.330140	27.330870
Age_25_ro_44       6217.0       23.501804       3.308163       8.612848       21.553714       23.419732       25.273793       45.88253         Age_45_ro_64       6217.0       27.732364       3.158840       9.038882       26.133350       27.861534       29.418433       55.066079         Age_65_ro_44       6217.0       27.732364       3.158840       9.038882       26.133350       27.861534       29.418433       55.066079         Age_65_ro_44       6217.0       16.865549       4.400899       3.85470       13.960987       16.493235       19.316202       53.106375         Income_0k_55k       6217.0       27.484039       8.244248       4.910964       21.823111       26.856946       32.535628       60.202840         Income_50k_75k       6217.0       26.661313       4.039766       8.108108       24.543564       26.97787       29.142687       47.297297         count       mean       std       min       25%       50%       75%       max         Income_50k_75k       6217.0       18.656202       2.867973       6.640106       16.895522       18.732724       20.471281       30.781628         Income_100k_200k       6217.0       11.537413       2.777999       0.000000       9.705698	Age_20_To	_24	621	7.0	6.276158	2.530040	0.284	900 5.04	7170 5.8	07826 6	.768792	32.503577
Age_d5_To_64       6217.0       27.732364       3.158840       9.038882       26.133350       27.861534       29.418433       55.066079         Age_65_To_44       6217.0       16.865549       4.400899       3.85470       13.960987       16.493235       19.316202       53.106375         Income_0k_25k       6217.0       27.484039       8.244248       4.910984       21.823111       26.856946       32.535628       60.202840         Income_25k_50k       6217.0       26.661313       4.039766       8.108108       24.543564       26.977897       29.142687       47.297297         count       mean       std       min       25%       50%       75%       max         Income_50k_75k       6217.0       18.656202       2.867973       6.640106       16.895522       18.732724       20.471281       30.781628         Income_75k_100k       6217.0       11.537413       2.777999       0.000000       9.705698       11.630427       13.389457       32.432432         Income_100k_200k       6217.0       13.122507       5.819593       1.736466       9.186124       11.947898       15.736719       41.665147         Income_0ver_200k       6217.0       2.538526       2.383523       0.000000       1.218750 <th>Age 25 To</th> <th>44</th> <th>621</th> <th>7.0</th> <th>23.501804</th> <th>3.308163</th> <th>8.612</th> <th>848 21.55</th> <th>53714 23.4</th> <th>19732 25</th> <th>273793</th> <th>45.882353</th>	Age 25 To	44	621	7.0	23.501804	3.308163	8.612	848 21.55	53714 23.4	19732 25	273793	45.882353
Age_65_To_44       6217.0       16.865549       4.400899       3.854570       13.960987       16.493235       19.316202       53.106375         Income_0k_25k       6217.0       27.484039       8.244248       4.910984       21.823111       26.856946       32.535628       60.202840         Income_0k_75k       6217.0       26.661313       4.039766       8.108108       24.543564       26.977897       29.142687       47.297297         count       mean       std       min       25%       50%       75%       max         Income_50k_75k       6217.0       18.656202       2.867973       6.640106       16.895522       18.732724       20.471281       30.781628         Income_100k_200k       6217.0       11.537413       2.777999       0.000000       9.705698       11.630427       13.389457       32.432432         Income_100k_200k       6217.0       13.122507       5.819593       1.736466       9.186124       11.947898       15.736719       41.665147         Income_Over_200k       6217.0       2.538526       2.383523       0.000000       1.218750       1.906135       2.993379       25.315978         vote diff ren       6216.0       3.224268       4.710304       -37.618717       0.661673 <th>Age 45 To</th> <th>64</th> <th>621</th> <th>7.0</th> <th>27 732364</th> <th>3 158840</th> <th>9.038</th> <th>882 26.13</th> <th>3350 27.8</th> <th>61534 29</th> <th>418433</th> <th>55,066079</th>	Age 45 To	64	621	7.0	27 732364	3 158840	9.038	882 26.13	3350 27.8	61534 29	418433	55,066079
Income_0k_25k         6217.0         27.484039         8.244248         4.910984         21.823111         26.856946         32.535628         60.202840           Income_0k_25k         6217.0         27.484039         8.244248         4.910984         21.823111         26.856946         32.535628         60.202840           Income_10k_25k         6017.0         26.661313         4.039766         8.108108         24.543564         26.977897         29.142687         47.297297           count         mean         std         min         25%         50%         75%         max           Income_50k_75k         6217.0         18.656202         2.867973         6.6640106         16.895522         18.732724         20.471281         30.781628           Income_75k_100k         6217.0         11.537413         2.777999         0.000000         9.705698         11.630427         13.389457         32.432432           Income_100k_200k         6217.0         13.122507         5.819593         1.736466         9.186124         11.947898         15.736719         41.6651477           Income_Over_200k         6217.0         2.538526         2.383523         0.000000         1.218750         1.906135         2.993379         25.315978	Age 65 To	44	621	7.0	16 865549	4 400890	3 854	570 13 96	30987 164	03235 10	316202	53 106375
Income_0k_20k         6217.0         27.494039         6.244246         4.910964         21.62311         28.859946         52.53522         60.222440           Income_25k_50k         6217.0         26.661313         4.039766         8.108108         24.543564         26.977897         29.142687         47.297297           count         mean         std         min         25%         50%         75%         max           Income_50k_75k         6217.0         18.656202         2.867973         6.640106         16.895522         18.732724         20.471281         30.781628           Income_75k_100k         6217.0         11.537413         2.777999         0.000000         9.705698         11.630427         13.389457         32.432432           Income_100k_200k         6217.0         13.122507         5.819593         1.736466         9.186124         11.947898         15.736719         41.665147           Income_Over_200k         6217.0         2.538526         2.383523         0.000000         1.218750         1.906135         2.993379         25.315978           vote diff ren         6216.0         3.224268         4.710304         -37.618717         0.661673         2.996110         5.756905         28.372146	Income Ok	054	601	7.0	07 484020	9.044049	4 010	004 01 0	00007 10.4	50205 13	575608	60.000840
income_25k_50k         count         mean         std         min         25%         50%         75%         max           Income_50k_75k         6217.0         18.656202         2.867973         6.640106         16.895522         18.732724         20.471281         30.781628           Income_50k_75k         6217.0         11.537413         2.777999         0.000000         9.705698         11.630427         13.89457         32.432432           Income_100k_200k         6217.0         13.122507         5.819593         1.736466         9.186124         11.947898         15.736719         41.665147           Income_Over_200k         6217.0         2.538526         2.383523         0.000000         1.218750         1.906135         2.993379         25.315978           vote diff ren         6216.0         3.224268         4.710304         -37.618717         0.661673         2.996110         5.756905         28.372146	Income_ok	_23K	021	7.0	27.464039	0.244240	4.910	904 21.0	23111 20.0	50940 32	.535626	60.202640
count         mean         std         min         25%         50%         75%         max           Income_50k_75k         6217.0         18.656202         2.867973         6.640106         16.895522         18.732724         20.471281         30.781628           Income_75k_100k         6217.0         11.537413         2.777999         0.00000         9.705698         11.630427         13.389457         32.432432           Income_100k_200k         6217.0         13.122507         5.819593         1.736466         9.186124         11.947898         15.736719         41.665147           Income_Over_200k         6217.0         2.538526         2.383523         0.000000         1.218750         1.906135         2.993379         25.315978           vote diff ren         6216.0         3.224268         4.710304         -37.618717         0.661673         2.996110         5.756905         28.372146	Income_25k	_50K	621	7.0	26.661313	4.039766	5 8.108	108 24.54	3564 26.9	//89/ 29	.142687	47.297297
Income_50k_75k         6217.0         18.656202         2.867973         6.640106         16.895522         18.732724         20.471281         30.781628           Income_75k_100k         6217.0         11.537413         2.777999         0.000000         9.705698         11.630427         13.389457         32.432432           Income_100k_200k         6217.0         13.122507         5.819593         1.736466         9.186124         11.947898         15.736719         41.665147           Income_Over_200k         6217.0         2.538526         2.383523         0.000000         1.218750         1.906135         2.993379         25.315978           vote diff ren         6216.0         3.224268         4.710304         -37.618717         0.661673         2.996110         5.755905         28.372146		count	mear		std	m	in	25%	50	)%	75%	max
Income_75k_100k         6217.0         11.537413         2.777999         0.000000         9.705698         11.630427         13.389457         32.432432           Income_100k_200k         6217.0         13.122507         5.819593         1.736466         9.186124         11.947898         15.736719         41.665147           Income_Over_200k         6217.0         2.538526         2.383523         0.000000         1.218750         1.906135         2.993379         25.315978           vote diff rep         6216.0         3.224268         4.710304         -37.618717         0.661673         2.996110         5.755905         28.372146	Income 50k 75k	6217.0	18.656202	2 2	.867973	6.6401	06 16	.895522	18.7327	24 20.4	71281	30.781628
Income_100k_200k         6217.0         13.122507         5.819593         1.736466         9.186124         11.947898         15.736719         41.665147           Income_Over_200k         6217.0         2.538526         2.383523         0.000000         1.218750         1.906135         2.993379         25.315978           vote diff rep         6216.0         3.224268         4.710304         -37.618717         0.661673         2.996110         5.755905         28.372146	Income 75k 100k	6217.0	11.537413	3 2	.777999	0.0000	00 9	705698	11.63042	27 13.3	89457	32.432432
Income_Over_200k 6217.0 2.538526 2.383523 0.000000 1.218750 1.906135 2.993379 25.315978	Income_100k_200k	6217.0	13.122507	7 5	.819593	1.7364	66 9	186124	11.94789	98 15.7	36719	41.665147
vote diff ren 6216.0 3.224268 4.710304 -37.618717 0.661673 2.996110 5.755905 28.372146	Income_Over_200k	6217.0	2.538526	3 2	.383523	0.0000	00 1	218750	1.90613	35 2.9	93379	25.315978
toto_un_top 0210.0 0.224200 4.710004 -07.010717 0.001070 2.000110 0.700000 20.072140	vote_diff_rep	6216.0	3.224268	3 4	.710304	-37.6187	17 0	.661673	2.9961	10 5.7	55905	28.372146

#### List 9.1. Synthetic Control Process Detail

- 1. Research, identify and evaluate data set for the predictors and outcome variable.
  - Predictor variables should affect election trend outcomes before and after treatment.
  - Include predictor variables in lagged format with original predictors. The lagged variables can be chosen based on if they accentuate the trend of the outcome before a treatment.
  - Determine the pre-treatment year or range. In the case of election trending evaluations is would be before a selected county had flipped from Democrat to Republican in the 2016 election.
- 2. Identify the potential counterfactual counties to create the hypothetical control county.
  - States that are considered in the 'donor' group must have variables of predictors that are closely related to the values of the treated county before the treatment.
  - The values of the counterfactual control county must have values of the predictors that fall in an average and cannot be the highest or lowest extremes.
  - Any counties that can be determined to have had a similar treatment must be excluded from the potential 'donor' group of counties.
- 3. Select the method for determining predictor weights.
  - Ideal weights will lessen the synthetic's mean squared prediction error.
  - Cross-validation method is another way to achieve this but there is the standard way that is preferred and considered "safe".
- 4. Assessment of the pretreatment period and *goodness of fit* (a statistical hypothesis test to see how well sample data fit a distribution from a population with a normal distribution) of the counterfactual control county.
  - It is important to evaluate the outcome path of the counterfactual control county during the pretreatment period. This can be done by reviewing the appearance of the treated county after the period marker change and the score of the root mean squared prediction error.
  - Judge the predictor weights to establish the predictor variables have power in explaining the outcome

- Overview of the state of weights to determine if similarities between the potential counterfactual counties and the treated county.
  - Consider, it could be more important for the trend of the outcome of the treated an counterfactual counties to be similar than the averages of the counties be similar.

If the fit of the model reflects a poor result in the *goodness of fit* test, then there are steps you can take to start to evaluate the fit issue.

- Lagging all variables to test the change in the goodness of fit test
- 5. To further mimic the randomized assignment model, the completion of placebo tests on counties in the potential counterfactual group allows researchers to evaluate the significance of the results for the county that underwent treatment.
  - Substantiation there is evidence the treatment had an effect on the country is measured as: the posttreatment difference between the treated county and the counterfactual control county is larger than the difference for th most of the placebo counties.
  - Confirmation of significance can be indicative of an effect instead of a full rejection of the null hypothesis.
- 6. Round out the study with sensitivity tests to allow for further analysis of the integrity of the results.

Fig 9.5. Variable Importance List from Random Forest Regressor

Predictor
One Race Black or African American
Hispanic or Latino of any Race
Median Non-family Income Dollars
Male Education Some College or Associates
Rural
Voter Turnout
Republican Vote Percentage

County	W Weight
Abbeville County, South Carolina	0.000
Accomack County, Virginia	0.000
Adair County, Iowa	0.000
Adair County, Kentucky	0.000
Adair County, Missouri	0.000
Adair County, Oklahoma	0.000
Adams County, Illinois	0.000
Adams County, Indiana	0.000
Adams County, Nebraska	0.000
Adams County, Ohio	0.000
Adams County, Pennsylvania	0.000
Adams County, Wisconsin	0.000
Addison County, Vermont	0.000
Aitkin County, Minnesota	0.000
Albany County, New York	0.000
Alcona County, Michigan	0.000
Alcorn County, Mississippi	0.000
Alexander County, Illinois	0.000
Alexander County, North Carolina	0.000
Alger County, Michigan	0.000
Allamakee County, Iowa	0.000
Allegan County, Michigan	0.000
Allegany County, Maryland	0.000

Fig 9.6 Veg Farm Acreage: Full Non-parametric W weight list

Allegany County, New York	0.000
Alleghany County, North Carolina	0.000
Allegheny County, Pennsylvania	0.000
Allen County, Indiana	0.000
Allen County, Kentucky	0.000
Allen Parish, Louisiana	0.000
Allendale County, South Carolina	0.000
Alpena County, Michigan	0.000
Amador County, California	0.000
Amelia County, Virginia	0.000
Amherst County, Virginia	0.000
Amite County, Mississippi	0.000
Anderson County, Kansas	0.006
Anderson County, Kentucky	0.000
Anderson County, Tennessee	0.000
Anderson County, Texas	0.000
Andrew County, Missouri	0.000
Androscoggin County, Maine	0.000
Angelina County, Texas	0.004
Anoka County, Minnesota	0.000
Anson County, North Carolina	0.000
Antelope County, Nebraska	0.000
Antrim County, Michigan	0.000
Appanoose County, Iowa	0.000
Appling County, Georgia	0.000

Aransas County, Texas	0.000
Arenac County, Michigan	0.000
Armstrong County, Pennsylvania	0.000
Aroostook County, Maine	0.000
Ashe County, North Carolina	0.005
Ashland County, Ohio	0.000
Ashland County, Wisconsin	0.000
Ashley County, Arkansas	0.000
Ashtabula County, Ohio	0.000
Asotin County, Washington	0.000
Atchison County, Kansas	0.000
Athens County, Ohio	0.000
Atkinson County, Georgia	0.000
Atlantic County, New Jersey	0.000
Atoka County, Oklahoma	0.000
Attala County, Mississippi	0.000
Audrain County, Missouri	0.000
Auglaize County, Ohio	0.000
Augusta County, Virginia	0.000
Avery County, North Carolina	0.024
Avoyelles Parish, Louisiana	0.000
Bacon County, Georgia	0.000
Bailey County, Texas	0.000
Baker County, Florida	0.000
Baker County, Georgia	0.000

Baker County, Oregon	0.000
Baldwin County, Georgia	0.000
Ballard County, Kentucky	0.000
Baltimore County, Maryland	0.000
Bamberg County, South Carolina	0.000
Baraga County, Michigan	0.000
Barbour County, Alabama	0.000
Barnstable County, Massachusetts	0.000
Barnwell County, South Carolina	0.000
Barren County, Kentucky	0.000
Barron County, Wisconsin	0.000
Barry County, Michigan	0.000
Bates County, Missouri	0.000
Bath County, Kentucky	0.000
Bath County, Virginia	0.000
Baxter County, Arkansas	0.000
Bay County, Michigan	0.000
Bayfield County, Wisconsin	0.000
Beaufort County, North Carolina	0.000
Beaver County, Pennsylvania	0.000
Beaverhead County, Montana	0.000
Bedford County, Pennsylvania	0.000
Belknap County, New Hampshire	0.000
Bell County, Kentucky	0.000
Belmont County, Ohio	0.000

Bennington County, Vermont	0.000
Bent County, Colorado	0.000
Benton County, Indiana	0.000
Benton County, Iowa	0.000
Benton County, Minnesota	0.007
Benton County, Mississippi	0.000
Benton County, Missouri	0.000
Benton County, Oregon	0.018
Benton County, Tennessee	0.000
Benzie County, Michigan	0.000
Bergen County, New Jersey	0.000
Berks County, Pennsylvania	0.000
Berkshire County, Massachusetts	0.000
Berrien County, Michigan	0.000
Bertie County, North Carolina	0.000
Bibb County, Alabama	0.000
Bienville Parish, Louisiana	0.000
Black Hawk County, Iowa	0.000
Bladen County, North Carolina	0.000
Blaine County, Idaho	0.025
Blaine County, Montana	0.000
Blair County, Pennsylvania	0.000
Bland County, Virginia	0.000
Bledsoe County, Tennessee	0.000
Blount County, Alabama	0.000
Blount County, Tennessee	0.000
-------------------------------	-------
Bolivar County, Mississippi	0.000
Bond County, Illinois	0.000
Bonner County, Idaho	0.000
Boone County, Arkansas	0.000
Boone County, Illinois	0.000
Boone County, Iowa	0.000
Botetourt County, Virginia	0.000
Boundary County, Idaho	0.000
Bourbon County, Kansas	0.000
Bourbon County, Kentucky	0.000
Bowie County, Texas	0.000
Box Butte County, Nebraska	0.000
Boyd County, Kentucky	0.000
Boyle County, Kentucky	0.000
Bracken County, Kentucky	0.000
Bradford County, Florida	0.000
Bradford County, Pennsylvania	0.000
Bradley County, Arkansas	0.000
Branch County, Michigan	0.000
Breathitt County, Kentucky	0.000
Breckinridge County, Kentucky	0.000
Bremer County, Iowa	0.000
Bristol County, Massachusetts	0.000
Bristol County, Rhode Island	0.000

Brooks County, Georgia	0.000
Brooks County, Texas	0.000
Broome County, New York	0.000
Brown County, Indiana	0.000
Brown County, Minnesota	0.000
Brown County, Ohio	0.000
Brown County, Texas	0.000
Brunswick County, Virginia	0.000
Buchanan County, Missouri	0.000
Buckingham County, Virginia	0.000
Bucks County, Pennsylvania	0.000
Buffalo County, Wisconsin	0.000
Bullock County, Alabama	0.000
Bureau County, Illinois	0.000
Burke County, Georgia	0.000
Burke County, North Carolina	0.000
Burlington County, New Jersey	0.000
Burnett County, Wisconsin	0.000
Burt County, Nebraska	0.000
Butler County, Alabama	0.000
Butler County, Kansas	0.000
Butler County, Kentucky	0.000
Butler County, Missouri	0.000
Butler County, Nebraska	0.000
Butler County, Ohio	0.000

Butler County, Pennsylvania	0.000
Butte County, California	0.000
Cabell County, West Virginia	0.000
Caddo Parish, Louisiana	0.000
Calaveras County, California	0.000
Caldwell County, Kentucky	0.000
Caldwell County, Missouri	0.000
Caldwell County, North Carolina	0.000
Caledonia County, Vermont	0.000
Calhoun County, Alabama	0.000
Calhoun County, Arkansas	0.000
Calhoun County, Illinois	0.000
Calhoun County, Iowa	0.000
Calhoun County, Michigan	0.000
Calhoun County, Mississippi	0.000
Calhoun County, West Virginia	0.000
Callahan County, Texas	0.000
Callaway County, Missouri	0.000
Calvert County, Maryland	0.000
Cambria County, Pennsylvania	0.000
Camden County, New Jersey	0.000
Cameron County, Pennsylvania	0.000
Cameron Parish, Louisiana	0.000
Camp County, Texas	0.000
Campbell County, Kentucky	0.000

Campbell County, Tennessee	0.000
Campbell County, Virginia	0.000
Cannon County, Tennessee	0.000
Cape May County, New Jersey	0.000
Carbon County, Montana	0.000
Carbon County, Pennsylvania	0.000
Carbon County, Utah	0.000
Caribou County, Idaho	0.000
Carlton County, Minnesota	0.000
Caroline County, Maryland	0.000
Carroll County, Arkansas	0.000
Carroll County, Georgia	0.072
Carroll County, Indiana	0.000
Carroll County, Iowa	0.000
Carroll County, Kentucky	0.000
Carroll County, Maryland	0.000
Carroll County, Mississippi	0.000
Carroll County, Missouri	0.000
Carroll County, New Hampshire	0.000
Carroll County, Ohio	0.000
Carroll County, Tennessee	0.000
Carroll County, Virginia	0.000
Carter County, Kentucky	0.000
Carter County, Missouri	0.000
Carter County, Oklahoma	0.000

Carter County, Tennessee	0.000
Cascade County, Montana	0.000
Casey County, Kentucky	0.000
Cass County, Illinois	0.000
Cass County, Indiana	0.000
Cass County, Iowa	0.000
Cass County, Michigan	0.000
Cass County, Nebraska	0.000
Cass County, Texas	0.000
Caswell County, North Carolina	0.000
Catawba County, North Carolina	0.000
Cattaraugus County, New York	0.000
Cavalier County, North Dakota	0.000
Cayuga County, New York	0.000
Cecil County, Maryland	0.000
Cedar County, Iowa	0.000
Cedar County, Missouri	0.000
Cedar County, Nebraska	0.000
Cerro Gordo County, Iowa	0.000
Chambers County, Alabama	0.000
Chariton County, Missouri	0.000
Charlevoix County, Michigan	0.000
Charlotte County, Florida	0.000
Charlotte County, Virginia	0.000
Chase County, Nebraska	0.000

Chattooga County, Georgia	0.000
Chautauqua County, New York	0.000
Cheatham County, Tennessee	0.002
Cheboygan County, Michigan	0.000
Chemung County, New York	0.000
Chenango County, New York	0.000
Cherokee County, Alabama	0.000
Cherokee County, Kansas	0.000
Cherokee County, North Carolina	0.000
Cherokee County, South Carolina	0.000
Cherokee County, Texas	0.000
Cheshire County, New Hampshire	0.000
Chester County, South Carolina	0.000
Chester County, Tennessee	0.000
Chesterfield County, South Carolina	0.000
Cheyenne County, Nebraska	0.000
Chickasaw County, Iowa	0.000
Chickasaw County, Mississippi	0.000
Chilton County, Alabama	0.007
Chippewa County, Michigan	0.000
Chippewa County, Minnesota	0.000
Chippewa County, Wisconsin	0.000
Chittenden County, Vermont	0.010
Choctaw County, Alabama	0.000
Choctaw County, Mississippi	0.000

Choctaw County, Oklahoma	0.000
Chowan County, North Carolina	0.000
Christian County, Illinois	0.000
Christian County, Kentucky	0.014
Churchill County, Nevada	0.000
Citrus County, Florida	0.000
Claiborne County, Mississippi	0.000
Claiborne County, Tennessee	0.000
Claiborne Parish, Louisiana	0.000
Clallam County, Washington	0.000
Clare County, Michigan	0.000
Clarendon County, South Carolina	0.000
Clarion County, Pennsylvania	0.000
Clark County, Arkansas	0.000
Clark County, Illinois	0.000
Clark County, Kentucky	0.000
Clark County, Ohio	0.000
Clark County, Wisconsin	0.000
Clarke County, Alabama	0.000
Clarke County, Mississippi	0.000
Clarke County, Virginia	0.000
Clatsop County, Oregon	0.000
Clay County, Georgia	0.000
Clay County, Indiana	0.000
Clay County, Kansas	0.000

Clay County, Kentucky	0.000
Clay County, Mississippi	0.000
Clay County, Nebraska	0.000
Clay County, North Carolina	0.000
Clay County, South Dakota	0.006
Clay County, Texas	0.000
Clayton County, Iowa	0.000
Clearfield County, Pennsylvania	0.000
Cleburne County, Alabama	0.000
Clermont County, Ohio	0.031
Cleveland County, North Carolina	0.000
Clinton County, Illinois	0.000
Clinton County, Indiana	0.000
Clinton County, Iowa	0.000
Clinton County, Kentucky	0.000
Clinton County, Michigan	0.000
Clinton County, Missouri	0.000
Clinton County, New York	0.000
Clinton County, Ohio	0.000
Clinton County, Pennsylvania	0.000
Cloud County, Kansas	0.000
Coahoma County, Mississippi	0.000
Cochise County, Arizona	0.044
Cocke County, Tennessee	0.000
Codington County, South Dakota	0.000

Coffee County, Tennessee	0.000
Coffey County, Kansas	0.000
Colbert County, Alabama	0.000
Cole County, Missouri	0.022
Coles County, Illinois	0.000
Colleton County, South Carolina	0.000
Colorado County, Texas	0.000
Columbia County, Arkansas	0.000
Columbia County, Florida	0.000
Columbia County, New York	0.000
Columbia County, Oregon	0.000
Columbia County, Pennsylvania	0.000
Columbia County, Wisconsin	0.000
Columbiana County, Ohio	0.000
Columbus County, North Carolina	0.000
Colusa County, California	0.006
Comanche County, Texas	0.000
Conecuh County, Alabama	0.000
Conejos County, Colorado	0.000
Conway County, Arkansas	0.000
Cook County, Georgia	0.000
Cook County, Illinois	0.000
Cooke County, Texas	0.000
Cooper County, Missouri	0.000
Coos County, New Hampshire	0.000

Coos County, Oregon	0.000
Coosa County, Alabama	0.000
Copiah County, Mississippi	0.000
Cortland County, New York	0.000
Coshocton County, Ohio	0.000
Costilla County, Colorado	0.000
Cotton County, Oklahoma	0.000
Covington County, Alabama	0.000
Covington County, Mississippi	0.000
Cowley County, Kansas	0.000
Cowlitz County, Washington	0.000
Craig County, Virginia	0.000
Crawford County, Arkansas	0.010
Crawford County, Indiana	0.000
Crawford County, Kansas	0.000
Crawford County, Missouri	0.000
Crawford County, Ohio	0.000
Crawford County, Pennsylvania	0.000
Crawford County, Wisconsin	0.000
Crenshaw County, Alabama	0.000
Crisp County, Georgia	0.000
Crittenden County, Kentucky	0.000
Crockett County, Tennessee	0.000
Cross County, Arkansas	0.000
Crow Wing County, Minnesota	0.000

Cullman County, Alabama	0.000
Cumberland County, Illinois	0.000
Cumberland County, Kentucky	0.000
Cumberland County, Maine	0.000
Cumberland County, New Jersey	0.000
Currituck County, North Carolina	0.015
Curry County, Oregon	0.000
Custer County, Nebraska	0.000
Cuyahoga County, Ohio	0.000
Dakota County, Minnesota	0.061
Dakota County, Nebraska	0.000
Dale County, Alabama	0.000
Dallas County, Alabama	0.000
Dallas County, Missouri	0.000
Darke County, Ohio	0.000
Darlington County, South Carolina	0.000
Dauphin County, Pennsylvania	0.000
Davidson County, North Carolina	0.000
Davie County, North Carolina	0.000
Daviess County, Kentucky	0.000
Daviess County, Missouri	0.000
Davis County, Iowa	0.000
Dawson County, Nebraska	0.000
De Soto Parish, Louisiana	0.000
DeKalb County, Alabama	0.000

DeKalb County, Illinois	0.033
DeKalb County, Indiana	0.000
Fluvanna County, Virginia	0.017
Fond du Lac County, Wisconsin	0.000
Forest County, Pennsylvania	0.000
Forrest County, Mississippi	0.016
Franklin County, Alabama	0.000
Franklin County, Georgia	0.000
Franklin County, Indiana	0.000
Franklin County, Iowa	0.000
Franklin County, Kansas	0.000
Franklin County, Kentucky	0.000
Franklin County, Maine	0.000
Franklin County, Massachusetts	0.000
Franklin County, Mississippi	0.000
Franklin County, Missouri	0.000
Franklin County, New York	0.000
Franklin County, Tennessee	0.000
Franklin County, Texas	0.000
Franklin County, Vermont	0.000
Franklin County, Virginia	0.000
Franklin Parish, Louisiana	0.000
Freeborn County, Minnesota	0.000
Freestone County, Texas	0.000
Fremont County, Colorado	0.000

Fremont County, Idaho	0.012
Fremont County, Iowa	0.000
Fulton County, Illinois	0.000
Fulton County, Indiana	0.000
Fulton County, New York	0.000
Fulton County, Ohio	0.000
Fulton County, Pennsylvania	0.000
Gadsden County, Florida	0.000
Gage County, Nebraska	0.000
Gallatin County, Kentucky	0.000
Gallia County, Ohio	0.000
Garland County, Arkansas	0.000
Garrard County, Kentucky	0.000
Garrett County, Maryland	0.000
Garvin County, Oklahoma	0.000
Gasconade County, Missouri	0.000
Geauga County, Ohio	0.000
Gem County, Idaho	0.000
Genesee County, Michigan	0.000
Genesee County, New York	0.000
Geneva County, Alabama	0.000
Gentry County, Missouri	0.000
Georgetown County, South Carolina	0.000
Gibson County, Indiana	0.000
Gibson County, Tennessee	0.000

Gila County, Arizona	0.000
Gilchrist County, Florida	0.000
Giles County, Tennessee	0.000
Giles County, Virginia	0.000
Gilmer County, Georgia	0.000
Glacier County, Montana	0.000
Gladwin County, Michigan	0.000
Glenn County, California	0.000
Gloucester County, New Jersey	0.000
Gloucester County, Virginia	0.000
Goliad County, Texas	0.001
Goochland County, Virginia	0.000
Goodhue County, Minnesota	0.000
Gooding County, Idaho	0.000
Grady County, Georgia	0.000
Grafton County, New Hampshire	0.000
Graham County, North Carolina	0.000
Grainger County, Tennessee	0.000
Grand Forks County, North Dakota	0.000
Grant County, Arkansas	0.000
Grant County, Indiana	0.000
Grant County, Kansas	0.016
Grant County, Kentucky	0.000
Grant County, New Mexico	0.000
Grant County, West Virginia	0.000

Grant County, Wisconsin	0.000
Granville County, North Carolina	0.000
Gratiot County, Michigan	0.000
Graves County, Kentucky	0.000
Grays Harbor County, Washington	0.000
Grayson County, Kentucky	0.000
Grayson County, Texas	0.000
Grayson County, Virginia	0.000
Green County, Kentucky	0.000
Green County, Wisconsin	0.000
Green Lake County, Wisconsin	0.000
Greenbrier County, West Virginia	0.000
Greene County, Alabama	0.000
Greene County, Indiana	0.000
Greene County, New York	0.000
Greene County, North Carolina	0.000
Greene County, Ohio	0.000
Greene County, Pennsylvania	0.000
Greene County, Tennessee	0.000
Greensville County, Virginia	0.000
Greenup County, Kentucky	0.000
Greenwood County, South Carolina	0.000
Grimes County, Texas	0.000
Grundy County, Missouri	0.000
Grundy County, Tennessee	0.000

Guadalupe County, New Mexico	0.000
Guernsey County, Ohio	0.000
Hale County, Alabama	0.000
Hale County, Texas	0.025
Halifax County, North Carolina	0.000
Halifax County, Virginia	0.000
Hamilton County, Florida	0.000
Hamilton County, Illinois	0.000
Hamilton County, Iowa	0.000
Hamilton County, Nebraska	0.000
Hamilton County, New York	0.000
Hamilton County, Ohio	0.000
Hampden County, Massachusetts	0.000
Hampshire County, Massachusetts	0.000
Hampshire County, West Virginia	0.000
Hampton County, South Carolina	0.000
Hancock County, Georgia	0.000
Hancock County, Kentucky	0.000
Hancock County, Maine	0.000
Hancock County, Ohio	0.000
Hancock County, Tennessee	0.000
Hancock County, West Virginia	0.000
Hanover County, Virginia	0.000
Hanson County, South Dakota	0.000
Haralson County, Georgia	0.000

Hardee County, Florida	0.000
Hardeman County, Tennessee	0.000
Hardin County, Iowa	0.000
Hardin County, Tennessee	0.000
Harford County, Maryland	0.029
Harrison County, Indiana	0.000
Harrison County, Iowa	0.000
Harrison County, Kentucky	0.000
Harrison County, Missouri	0.000
Harrison County, Ohio	0.000
Harrison County, West Virginia	0.000
Hart County, Georgia	0.000
Hart County, Kentucky	0.000
Hartford County, Connecticut	0.000
Harvey County, Kansas	0.000
Haskell County, Oklahoma	0.000
Hawkins County, Tennessee	0.000
Haywood County, North Carolina	0.000
Haywood County, Tennessee	0.000
Heard County, Georgia	0.000
Hempstead County, Arkansas	0.000
Henderson County, Illinois	0.000
Henderson County, Kentucky	0.000
Henderson County, Tennessee	0.000
Henderson County, Texas	0.000

Hendry County, Florida	0.015
Henry County, Alabama	0.000
Henry County, Illinois	0.000
Henry County, Indiana	0.000
Henry County, Iowa	0.000
Henry County, Kentucky	0.000
Henry County, Missouri	0.000
Henry County, Ohio	0.000
Henry County, Tennessee	0.000
Henry County, Virginia	0.000
Herkimer County, New York	0.000
Hernando County, Florida	0.000
Hertford County, North Carolina	0.000
Hickman County, Tennessee	0.000
Hidalgo County, New Mexico	0.000
Highland County, Ohio	0.000
Highland County, Virginia	0.000
Highlands County, Florida	0.000
Hill County, Montana	0.000
Hill County, Texas	0.000
Hillsborough County, New Hampshire	0.002
Hillsdale County, Michigan	0.000
Hinds County, Mississippi	0.000
Hocking County, Ohio	0.000
Hockley County, Texas	0.014

Holmes County, Florida	0.000
Holmes County, Mississippi	0.000
Holmes County, Ohio	0.010
Hopkins County, Kentucky	0.000
Hopkins County, Texas	0.000
Hot Spring County, Arkansas	0.000
Houghton County, Michigan	0.000
Houston County, Minnesota	0.000
Howard County, Iowa	0.000
Howard County, Missouri	0.000
Howard County, Nebraska	0.000
Howell County, Missouri	0.000
Hudspeth County, Texas	0.000
Hughes County, Oklahoma	0.000
Humboldt County, California	0.012
Humphreys County, Mississippi	0.000
Humphreys County, Tennessee	0.000
Hunt County, Texas	0.000
Hunterdon County, New Jersey	0.000
Huntingdon County, Pennsylvania	0.000
Huntington County, Indiana	0.000
Huron County, Michigan	0.000
Huron County, Ohio	0.000
Hutchinson County, South Dakota	0.000
Hyde County, North Carolina	0.000

Iberia Parish, Louisiana	0.000
Iberville Parish, Louisiana	0.000
Independence County, Arkansas	0.000
Indiana County, Pennsylvania	0.000
Ingham County, Michigan	0.000
Ionia County, Michigan	0.000
Iosco County, Michigan	0.000
Iowa County, Wisconsin	0.000
Iron County, Michigan	0.000
Iron County, Wisconsin	0.000
Irwin County, Georgia	0.000
Isabella County, Michigan	0.000
Isanti County, Minnesota	0.000
Island County, Washington	0.000
Isle of Wight County, Virginia	0.000
Itasca County, Minnesota	0.000
Itawamba County, Mississippi	0.000
Izard County, Arkansas	0.000
Jack County, Texas	0.000
Jackson County, Alabama	0.000
Jackson County, Arkansas	0.000
Jackson County, Florida	0.000
Jackson County, Illinois	0.005
Jackson County, Indiana	0.000
Jackson County, Iowa	0.000

0.000

Jackson County, Kansas

Jackson County, Kentucky	0.000
Jackson County, Michigan	0.000
Jackson County, Minnesota	0.000
Jackson County, Mississippi	0.016
Jackson County, Missouri	0.013
Jackson County, Ohio	0.000
Jackson County, Oregon	0.000
Jackson County, Tennessee	0.000
Jackson County, West Virginia	0.000
Jackson County, Wisconsin	0.000
Jackson Parish, Louisiana	0.000
Jasper County, Georgia	0.000
Jasper County, Indiana	0.000
Jasper County, Iowa	0.000
Jasper County, Mississippi	0.000
Jasper County, Missouri	0.000
Jasper County, Texas	0.000
Jefferson County, Alabama	0.015
Jefferson County, Arkansas	0.000
Jefferson County, Florida	0.000
Jefferson County, Georgia	0.000
Jefferson County, Indiana	0.000
Jefferson County, Iowa	0.000
Jefferson County, Kansas	0.000

Jefferson County, Missouri	0.000
Jefferson County, Ohio	0.000
Jefferson County, Oklahoma	0.000
Jefferson County, Pennsylvania	0.000
Jefferson County, Texas	0.000
Jefferson County, Washington	0.000
Jefferson County, Wisconsin	0.000
Jefferson Davis County, Mississippi	0.000
Jefferson Davis Parish, Louisiana	0.000
Jefferson Parish, Louisiana	0.035
Jennings County, Indiana	0.000
Jo Daviess County, Illinois	0.000
Johnson County, Arkansas	0.000
Johnson County, Georgia	0.000
Johnson County, Kentucky	0.000
Johnson County, Tennessee	0.000
Johnston County, Oklahoma	0.000
Jones County, Iowa	0.000
Jones County, Mississippi	0.000
Jones County, Texas	0.000
Josephine County, Oregon	0.000
Juniata County, Pennsylvania	0.000
Kalkaska County, Michigan	0.000
Kanabec County, Minnesota	0.000
Kanawha County, West Virginia	0.000

Kandiyohi County, Minnesota	0.000
Kankakee County, Illinois	0.000
Kay County, Oklahoma	0.000
Keith County, Nebraska	0.000
Kemper County, Mississippi	0.000
Kennebec County, Maine	0.000
Kenosha County, Wisconsin	0.000
Kent County, Maryland	0.000
Kent County, Michigan	0.036
Kent County, Rhode Island	0.000
Kenton County, Kentucky	0.000
Keokuk County, Iowa	0.000
Kewaunee County, Wisconsin	0.000
Kidder County, North Dakota	0.000
King and Queen County, Virginia	0.000
Kingfisher County, Oklahoma	0.000
Kingman County, Kansas	0.000
Kings County, California	0.000
Kittson County, Minnesota	0.000
Klamath County, Oregon	0.000
Knox County, Illinois	0.000
Knox County, Indiana	0.000
Knox County, Kentucky	0.000
Knox County, Maine	0.000
Knox County, Missouri	0.000

Knox County, Nebraska	0.000
Knox County, Ohio	0.000
Koochiching County, Minnesota	0.000
Kosciusko County, Indiana	0.000
Kossuth County, Iowa	0.000
La Paz County, Arizona	0.000
LaGrange County, Indiana	0.000
LaPorte County, Indiana	0.000
LaSalle County, Illinois	0.000
LaSalle Parish, Louisiana	0.000
Labette County, Kansas	0.000
Lackawanna County, Pennsylvania	0.000
Laclede County, Missouri	0.000
Lafayette County, Missouri	0.000
Lafayette County, Wisconsin	0.000
Lafourche Parish, Louisiana	0.000
Lake County, California	0.000
Lake County, Illinois	0.004
Lake County, Indiana	0.000
Lake County, Montana	0.000
Lake County, Ohio	0.000
Lamar County, Alabama	0.000
Lamar County, Georgia	0.000
Lamar County, Texas	0.000
Lampasas County, Texas	0.018

Lancaster County, Virginia	0.000
Langlade County, Wisconsin	0.000
Lapeer County, Michigan	0.000
Larue County, Kentucky	0.000
Lassen County, California	0.000
Lauderdale County, Alabama	0.000
Lauderdale County, Mississippi	0.000
Lauderdale County, Tennessee	0.000
Laurel County, Kentucky	0.000
Laurens County, Georgia	0.000
Laurens County, South Carolina	0.000
Lawrence County, Alabama	0.000
Lawrence County, Arkansas	0.000
Lawrence County, Illinois	0.000
Lawrence County, Indiana	0.000
Lawrence County, Kentucky	0.000
Lawrence County, Mississippi	0.000
Lawrence County, Missouri	0.000
Lawrence County, Ohio	0.000
Lawrence County, Pennsylvania	0.000
Lawrence County, South Dakota	0.000
Lawrence County, Tennessee	0.000
Le Flore County, Oklahoma	0.000
Le Sueur County, Minnesota	0.000
Leake County, Mississippi	0.000

Lee County, Arkansas	0.000
Lee County, Georgia	0.000
Lee County, Illinois	0.000
Lee County, Iowa	0.000
Lee County, Kentucky	0.000
Lee County, South Carolina	0.000
Lee County, Texas	0.000
Lee County, Virginia	0.000
Leelanau County, Michigan	0.000
Lenawee County, Michigan	0.000
Lenoir County, North Carolina	0.000
Leon County, Texas	0.000
Letcher County, Kentucky	0.000
Levy County, Florida	0.000
Lewis County, Kentucky	0.000
Lewis County, Missouri	0.000
Lewis County, New York	0.000
Lewis County, Tennessee	0.000
Lewis County, Washington	0.000
Lewis County, West Virginia	0.000
Liberty County, Texas	0.000
Licking County, Ohio	0.000
Limestone County, Texas	0.000
Lincoln County, Arkansas	0.000
Lincoln County, Kentucky	0.000

0.000

Lincoln County, Maine

Lincoln County, Mississippi	0.000
Lincoln County, Oklahoma	0.000
Lincoln County, Oregon	0.000
Lincoln County, Tennessee	0.000
Lincoln County, Washington	0.000
Lincoln County, West Virginia	0.000
Lincoln County, Wisconsin	0.000
Linn County, Missouri	0.000
Litchfield County, Connecticut	0.000
Little River County, Arkansas	0.000
Live Oak County, Texas	0.000
Livingston County, Illinois	0.000
Livingston County, Kentucky	0.000
Livingston County, Michigan	0.000
Livingston County, New York	0.000
Logan County, Arkansas	0.000
Logan County, Colorado	0.000
Logan County, Kentucky	0.000
Logan County, Ohio	0.000
Logan County, West Virginia	0.000
Lorain County, Ohio	0.000
Los Angeles County, California	0.021
Louisa County, Iowa	0.000
Love County, Oklahoma	0.000

Lowndes County, Alabama	0.000
Lowndes County, Mississippi	0.000
Lucas County, Iowa	0.000
Lucas County, Ohio	0.000
Luna County, New Mexico	0.000
Lunenburg County, Virginia	0.000
Luzerne County, Pennsylvania	0.000
Lycoming County, Pennsylvania	0.000
Lyon County, Kansas	0.000
Lyon County, Kentucky	0.000
Macomb County, Michigan	0.000
Macon County, Alabama	0.000
Macon County, Georgia	0.000
Macon County, Illinois	0.000
Macon County, Missouri	0.000
Macon County, North Carolina	0.000
Macoupin County, Illinois	0.000
Madison County, Arkansas	0.000
Madison County, Florida	0.000
Madison County, Georgia	0.000
Madison County, Illinois	0.000
Madison County, Indiana	0.000
Madison County, Montana	0.000
Madison County, Nebraska	0.000
Madison County, New York	0.000

Madison County, North Carolina	0.000
Madison County, Ohio	0.000
Madison County, Tennessee	0.000
Madison County, Virginia	0.000
Madison Parish, Louisiana	0.000
Magoffin County, Kentucky	0.000
Mahaska County, Iowa	0.000
Mahoning County, Ohio	0.000
Major County, Oklahoma	0.000
Malheur County, Oregon	0.000
Manistee County, Michigan	0.000
Manitowoc County, Wisconsin	0.000
Marathon County, Wisconsin	0.000
Marengo County, Alabama	0.000
Maries County, Missouri	0.000
Marinette County, Wisconsin	0.000
Marion County, Alabama	0.000
Marion County, Florida	0.000
Marion County, Illinois	0.000
Marion County, Iowa	0.000
Marion County, Kentucky	0.000
Marion County, Mississippi	0.000
Marion County, Ohio	0.000
Marion County, South Carolina	0.000
Marion County, West Virginia	0.000

Mariposa County, California	0.000
Marlboro County, South Carolina	0.000
Marquette County, Michigan	0.000
Marquette County, Wisconsin	0.000
Marshall County, Illinois	0.000
Marshall County, Indiana	0.000
Marshall County, Iowa	0.000
Marshall County, Kentucky	0.000
Marshall County, Minnesota	0.000
Marshall County, Mississippi	0.000
Marshall County, West Virginia	0.000
Martin County, Kentucky	0.000
Martin County, Minnesota	0.000
Mason County, Illinois	0.000
Mason County, Kentucky	0.000
Mason County, Michigan	0.000
Mason County, Washington	0.000
Mason County, West Virginia	0.000
Massac County, Illinois	0.000
Matagorda County, Texas	0.000
Mathews County, Virginia	0.000
Mayes County, Oklahoma	0.004
McCook County, South Dakota	0.001
McCracken County, Kentucky	0.000
McCulloch County, Texas	0.000

McCurtain County, Oklahoma	0.000
McDonald County, Missouri	0.000
McDonough County, Illinois	0.000
McDowell County, North Carolina	0.000
McDuffie County, Georgia	0.000
McHenry County, Illinois	0.000
McIntosh County, Oklahoma	0.000
McKean County, Pennsylvania	0.000
McLean County, Kentucky	0.000
McLeod County, Minnesota	0.000
McMinn County, Tennessee	0.000
McNairy County, Tennessee	0.000
McPherson County, Kansas	0.000
Meade County, Kentucky	0.000
Mecklenburg County, Virginia	0.000
Medina County, Ohio	0.000
Meeker County, Minnesota	0.000
Meigs County, Ohio	0.000
Meigs County, Tennessee	0.000
Menard County, Illinois	0.000
Mendocino County, California	0.000
Menifee County, Kentucky	0.000
Menominee County, Michigan	0.000
Mercer County, Kentucky	0.000
Mercer County, New Jersey	0.000

Mercer County, Ohio	0.000
Mercer County, Pennsylvania	0.000
Mercer County, West Virginia	0.000
Meriwether County, Georgia	0.000
Merrimack County, New Hampshire	0.000
Metcalfe County, Kentucky	0.000
Miami County, Indiana	0.000
Miami County, Kansas	0.000
Miami County, Ohio	0.000
Middlesex County, Connecticut	0.000
Midland County, Michigan	0.000
Mifflin County, Pennsylvania	0.000
Milam County, Texas	0.000
Mille Lacs County, Minnesota	0.000
Miller County, Arkansas	0.000
Miller County, Missouri	0.003
Mills County, Iowa	0.000
Milwaukee County, Wisconsin	0.000
Mineral County, West Virginia	0.000
Missaukee County, Michigan	0.000
Mississippi County, Arkansas	0.000
Mississippi County, Missouri	0.000
Mitchell County, Georgia	0.000
Mitchell County, Iowa	0.000
Mitchell County, North Carolina	0.000

Mobile County, Alabama	0.000
Modoc County, California	0.000
Moniteau County, Missouri	0.000
Monmouth County, New Jersey	0.000
Monroe County, Alabama	0.000
Monroe County, Kentucky	0.000
Monroe County, Michigan	0.000
Monroe County, Mississippi	0.000
Monroe County, Missouri	0.000
Monroe County, New York	0.000
Monroe County, Ohio	0.000
Monroe County, Pennsylvania	0.000
Monroe County, Tennessee	0.000
Monroe County, West Virginia	0.000
Monroe County, Wisconsin	0.000
Montague County, Texas	0.000
Montcalm County, Michigan	0.000
Montezuma County, Colorado	0.000
Montgomery County, Alabama	0.000
Montgomery County, Arkansas	0.000
Montgomery County, Georgia	0.000
Montgomery County, Illinois	0.000
Montgomery County, Indiana	0.000
Montgomery County, Kansas	0.000
Montgomery County, Mississippi	0.000

Montgomery County, New York	0.000
Montgomery County, North Carolina	0.000
Montgomery County, Ohio	0.000
Montgomery County, Pennsylvania	0.000
Montour County, Pennsylvania	0.000
Montrose County, Colorado	0.000
Moore County, Tennessee	0.000
Mora County, New Mexico	0.000
Morehouse Parish, Louisiana	0.000
Morgan County, Alabama	0.000
Morgan County, Colorado	0.000
Morgan County, Georgia	0.000
Morgan County, Illinois	0.000
Morgan County, Indiana	0.000
Morgan County, Kentucky	0.000
Morgan County, Missouri	0.000
Morgan County, Ohio	0.000
Morgan County, Tennessee	0.000
Morgan County, West Virginia	0.000
Morris County, New Jersey	0.023
Morris County, Texas	0.000
Morrison County, Minnesota	0.000
Morrow County, Ohio	0.000
Morrow County, Oregon	0.000
Moultrie County, Illinois	0.000

Mower County, Minnesota	0.000
Muhlenberg County, Kentucky	0.000
Murray County, Georgia	0.000
Muscatine County, Iowa	0.000
Muskegon County, Michigan	0.000
Muskingum County, Ohio	0.000
Muskogee County, Oklahoma	0.000
Nash County, North Carolina	0.000
Natchitoches Parish, Louisiana	0.000
Navajo County, Arizona	0.000
Navarro County, Texas	0.000
Nelson County, Virginia	0.000
Nemaha County, Nebraska	0.000
Neosho County, Kansas	0.000
Neshoba County, Mississippi	0.000
Nevada County, Arkansas	0.000
Nevada County, California	0.000
New Castle County, Delaware	0.000
New Haven County, Connecticut	0.000
New London County, Connecticut	0.000
Newaygo County, Michigan	0.000
Newberry County, South Carolina	0.000
Newport County, Rhode Island	0.000
Newton County, Arkansas	0.000
Newton County, Indiana	0.000

Newton County, Mississippi	0.000
Newton County, Missouri	0.000
Newton County, Texas	0.000
Nez Perce County, Idaho	0.000
Niagara County, New York	0.000
Nicholas County, Kentucky	0.000
Nicholas County, West Virginia	0.000
Nicollet County, Minnesota	0.000
Noble County, Indiana	0.000
Noble County, Oklahoma	0.000
Nodaway County, Missouri	0.000
Norman County, Minnesota	0.000
Northampton County, North Carolina	0.000
Northampton County, Pennsylvania	0.000
Northampton County, Virginia	0.000
Northumberland County, Pennsylvania	0.000
Northumberland County, Virginia	0.000
Nottoway County, Virginia	0.000
Noxubee County, Mississippi	0.000
O'Brien County, Iowa	0.000
Oakland County, Michigan	0.000
Obion County, Tennessee	0.000
Ocean County, New Jersey	0.000
Oceana County, Michigan	0.000
Oconee County, South Carolina	0.000
Oconto County, Wisconsin	0.000
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Ogemaw County, Michigan	0.000
Ogle County, Illinois	0.000
Oglethorpe County, Georgia	0.000
Ohio County, Kentucky	0.000
Ohio County, West Virginia	0.000
Okfuskee County, Oklahoma	0.000
Okmulgee County, Oklahoma	0.000
Oneida County, New York	0.000
Oneida County, Wisconsin	0.000
Onondaga County, New York	0.000
Ontario County, New York	0.000
Orange County, Indiana	0.000
Orange County, New York	0.000
Orange County, Texas	0.000
Orange County, Vermont	0.000
Orangeburg County, South Carolina	0.000
Oregon County, Missouri	0.000
Orleans County, New York	0.000
Orleans County, Vermont	0.000
Osage County, Kansas	0.000
Osage County, Missouri	0.000
Osage County, Oklahoma	0.000
Osceola County, Michigan	0.000
Oscoda County, Michigan	0.000

Oswego County, New York	0.000
Otero County, Colorado	0.000
Otoe County, Nebraska	0.000
Otsego County, Michigan	0.000
Otsego County, New York	0.000
Ottawa County, Kansas	0.000
Ottawa County, Michigan	0.000
Ottawa County, Ohio	0.000
Otter Tail County, Minnesota	0.000
Ouachita County, Arkansas	0.000
Ouachita Parish, Louisiana	0.013
Outagamie County, Wisconsin	0.000
Owen County, Indiana	0.000
Owen County, Kentucky	0.000
Owsley County, Kentucky	0.000
Owyhee County, Idaho	0.000
Oxford County, Maine	0.000
Ozark County, Missouri	0.000
Ozaukee County, Wisconsin	0.000
Page County, Iowa	0.000
Palo Alto County, Iowa	0.000
Palo Pinto County, Texas	0.000
Panola County, Mississippi	0.000
Panola County, Texas	0.000
Park County, Montana	0.000

Parke County, Indiana	0.000
Parmer County, Texas	0.000
Pasquotank County, North Carolina	0.000
Passaic County, New Jersey	0.000
Patrick County, Virginia	0.000
Paulding County, Ohio	0.000
Pawnee County, Kansas	0.000
Payette County, Idaho	0.000
Pearl River County, Mississippi	0.011
Pecos County, Texas	0.000
Pembina County, North Dakota	0.000
Pendleton County, Kentucky	0.000
Pendleton County, West Virginia	0.000
Penobscot County, Maine	0.000
Peoria County, Illinois	0.000
Pepin County, Wisconsin	0.000
Perry County, Alabama	0.000
Perry County, Arkansas	0.000
Perry County, Illinois	0.000
Perry County, Kentucky	0.000
Perry County, Mississippi	0.000
Perry County, Missouri	0.000
Perry County, Ohio	0.000
Perry County, Pennsylvania	0.000
Perry County, Tennessee	0.000

Person County, North Carolina	0.000
Pettis County, Missouri	0.000
Phelps County, Missouri	0.000
Phillips County, Arkansas	0.000
Piatt County, Illinois	0.000
Pickaway County, Ohio	0.000
Pickens County, Alabama	0.000
Pickens County, Georgia	0.000
Pickens County, South Carolina	0.000
Pickett County, Tennessee	0.000
Pierce County, Wisconsin	0.000
Pike County, Georgia	0.026
Pike County, Illinois	0.000
Pike County, Indiana	0.000
Pike County, Mississippi	0.000
Pike County, Missouri	0.000
Pike County, Ohio	0.000
Pine County, Minnesota	0.000
Piscataquis County, Maine	0.000
Pittsburg County, Oklahoma	0.000
Pittsylvania County, Virginia	0.000
Pleasants County, West Virginia	0.000
Plumas County, California	0.000
Plymouth County, Iowa	0.000
Plymouth County, Massachusetts	0.000

Pocahontas County, West Virginia	0.000
Poinsett County, Arkansas	0.000
Polk County, Arkansas	0.000
Polk County, Georgia	0.000
Polk County, Minnesota	0.000
Polk County, Missouri	0.000
Polk County, North Carolina	0.000
Polk County, Tennessee	0.000
Polk County, Texas	0.000
Polk County, Wisconsin	0.000
Pondera County, Montana	0.000
Pope County, Minnesota	0.000
Portage County, Ohio	0.000
Portage County, Wisconsin	0.000
Porter County, Indiana	0.000
Posey County, Indiana	0.000
Pottawatomie County, Oklahoma	0.001
Pottawattamie County, Iowa	0.000
Potter County, Pennsylvania	0.000
Powell County, Kentucky	0.000
Power County, Idaho	0.000
Poweshiek County, Iowa	0.000
Powhatan County, Virginia	0.000
Preble County, Ohio	0.000
Prentiss County, Mississippi	0.000

Presidio County, Texas	0.000
Presque Isle County, Michigan	0.000
Preston County, West Virginia	0.000
Price County, Wisconsin	0.000
Providence County, Rhode Island	0.000
Pueblo County, Colorado	0.000
Pulaski County, Georgia	0.000
Pulaski County, Indiana	0.000
Pulaski County, Kentucky	0.000
Pushmataha County, Oklahoma	0.000
Putnam County, Florida	0.000
Putnam County, Indiana	0.000
Putnam County, New York	0.000
Putnam County, Ohio	0.000
Putnam County, West Virginia	0.017
Quitman County, Mississippi	0.000
Racine County, Wisconsin	0.000
Rains County, Texas	0.000
Raleigh County, West Virginia	0.000
Ralls County, Missouri	0.000
Randolph County, Alabama	0.000
Randolph County, Arkansas	0.000
Randolph County, Illinois	0.000
Randolph County, Missouri	0.000
Randolph County, North Carolina	0.000

Randolph County, West Virginia	0.000
Rapides Parish, Louisiana	0.000
Rappahannock County, Virginia	0.000
Ravalli County, Montana	0.000
Ray County, Missouri	0.000
Red River County, Texas	0.000
Red River Parish, Louisiana	0.000
Red Willow County, Nebraska	0.000
Redwood County, Minnesota	0.000
Refugio County, Texas	0.000
Reno County, Kansas	0.000
Rensselaer County, New York	0.000
Renville County, Minnesota	0.000
Republic County, Kansas	0.000
Reynolds County, Missouri	0.000
Rice County, Minnesota	0.000
Richland County, Ohio	0.000
Richland County, Wisconsin	0.000
Richland Parish, Louisiana	0.000
Richmond County, Georgia	0.000
Richmond County, North Carolina	0.000
Rio Grande County, Colorado	0.000
Ripley County, Indiana	0.000
Ritchie County, West Virginia	0.000
Roane County, Tennessee	0.000

Roane County, West Virginia	0.000
Roanoke County, Virginia	0.000
Roberts County, South Dakota	0.000
Robertson County, Kentucky	0.000
Robertson County, Texas	0.000
Rock County, Wisconsin	0.000
Rock Island County, Illinois	0.000
Rockcastle County, Kentucky	0.000
Rockingham County, New Hampshire	0.000
Rockingham County, North Carolina	0.000
Roscommon County, Michigan	0.000
Ross County, Ohio	0.000
Rowan County, Kentucky	0.000
Rowan County, North Carolina	0.000
Runnels County, Texas	0.000
Rusk County, Wisconsin	0.000
Russell County, Kentucky	0.000
Russell County, Virginia	0.000
Rutherford County, North Carolina	0.000
Rutland County, Vermont	0.000
Sabine County, Texas	0.000
Sabine Parish, Louisiana	0.000
Sac County, Iowa	0.000
Sagadahoc County, Maine	0.000
Saginaw County, Michigan	0.000

Saguache County, Colorado	0.000
Salem County, New Jersey	0.000
Saline County, Illinois	0.000
Saline County, Kansas	0.000
Saline County, Missouri	0.000
Saline County, Nebraska	0.000
Saluda County, South Carolina	0.000
Sampson County, North Carolina	0.000
San Augustine County, Texas	0.000
San Juan County, New Mexico	0.024
San Juan County, Washington	0.000
San Miguel County, Colorado	0.000
San Miguel County, New Mexico	0.000
San Patricio County, Texas	0.004
Sanborn County, South Dakota	0.000
Sanders County, Montana	0.000
Sandusky County, Ohio	0.000
Sangamon County, Illinois	0.000
Sanilac County, Michigan	0.000
Saratoga County, New York	0.000
Sauk County, Wisconsin	0.000
Saunders County, Nebraska	0.000
Sawyer County, Wisconsin	0.000
Schenectady County, New York	0.000
Schoharie County, New York	0.000

Schoolcraft County, Michigan	0.000
Schuyler County, New York	0.000
Schuylkill County, Pennsylvania	0.000
Scioto County, Ohio	0.000
Scotland County, Missouri	0.008
Scotland County, North Carolina	0.000
Scott County, Arkansas	0.000
Scott County, Indiana	0.000
Scott County, Mississippi	0.000
Scott County, Missouri	0.000
Scott County, Virginia	0.000
Scotts Bluff County, Nebraska	0.000
Screven County, Georgia	0.000
Searcy County, Arkansas	0.000
Sebastian County, Arkansas	0.000
Seminole County, Georgia	0.000
Seminole County, Oklahoma	0.000
Seneca County, New York	0.000
Seneca County, Ohio	0.000
Sevier County, Utah	0.018
Sharp County, Arkansas	0.000
Shasta County, California	0.000
Shawano County, Wisconsin	0.000
Shawnee County, Kansas	0.000
Sheboygan County, Wisconsin	0.000

Shelby County, Indiana	0.000
Shelby County, Iowa	0.000
Shelby County, Ohio	0.000
Shelby County, Tennessee	0.000
Shelby County, Texas	0.000
Shenandoah County, Virginia	0.000
Sheridan County, North Dakota	0.000
Shiawassee County, Michigan	0.000
Sibley County, Minnesota	0.000
Sierra County, New Mexico	0.000
Simpson County, Kentucky	0.000
Simpson County, Mississippi	0.000
Sioux County, Iowa	0.005
Siskiyou County, California	0.000
Skagit County, Washington	0.000
Smith County, Mississippi	0.000
Smith County, Tennessee	0.000
Smyth County, Virginia	0.000
Snyder County, Pennsylvania	0.000
Socorro County, New Mexico	0.000
Solano County, California	0.000
Somerset County, Maine	0.000
Somerset County, Maryland	0.000
Somerset County, New Jersey	0.000
Somerset County, Pennsylvania	0.000

Southampton County, Virginia	0.000
Spalding County, Georgia	0.000
Spencer County, Indiana	0.000
St. Charles Parish, Louisiana	0.000
St. Clair County, Illinois	0.000
St. Clair County, Michigan	0.000
St. Clair County, Missouri	0.000
St. Francis County, Arkansas	0.000
St. Francois County, Missouri	0.000
St. Helena Parish, Louisiana	0.000
St. James Parish, Louisiana	0.000
St. John the Baptist Parish, Louisiana	0.000
St. Joseph County, Indiana	0.000
St. Joseph County, Michigan	0.000
St. Landry Parish, Louisiana	0.000
St. Lawrence County, New York	0.000
St. Louis County, Minnesota	0.000
St. Louis County, Missouri	0.000
St. Martin Parish, Louisiana	0.000
Stanislaus County, California	0.018
Stanly County, North Carolina	0.000
Stanton County, Nebraska	0.000
Stark County, Illinois	0.000
Stark County, Ohio	0.000
Ste. Genevieve County, Missouri	0.000

Stearns County, Minnesota	0.000
Steele County, Minnesota	0.000
Stephenson County, Illinois	0.000
Steuben County, Indiana	0.000
Steuben County, New York	0.000
Stevens County, Minnesota	0.000
Stevens County, Washington	0.000
Stewart County, Tennessee	0.000
Stoddard County, Missouri	0.000
Stokes County, North Carolina	0.000
Stone County, Arkansas	0.000
Stone County, Missouri	0.000
Strafford County, New Hampshire	0.000
Suffolk County, New York	0.000
Sullivan County, Indiana	0.000
Sullivan County, Missouri	0.000
Sullivan County, New Hampshire	0.000
Sullivan County, New York	0.000
Sullivan County, Pennsylvania	0.000
Sullivan County, Tennessee	0.000
Summers County, West Virginia	0.000
Summit County, Ohio	0.000
Sumter County, Alabama	0.000
Sumter County, Georgia	0.000
Sumter County, South Carolina	0.000

Surry County, North Carolina	0.000
Surry County, Virginia	0.000
Susquehanna County, Pennsylvania	0.000
Sussex County, New Jersey	0.000
Sussex County, Virginia	0.000
Sutter County, California	0.000
Swain County, North Carolina	0.000
Swift County, Minnesota	0.000
Swisher County, Texas	0.000
Switzerland County, Indiana	0.000
Talbot County, Georgia	0.000
Talbot County, Maryland	0.000
Talladega County, Alabama	0.000
Tallahatchie County, Mississippi	0.000
Tallapoosa County, Alabama	0.000
Tama County, Iowa	0.000
Taos County, New Mexico	0.000
Tate County, Mississippi	0.000
Taylor County, Georgia	0.000
Taylor County, Kentucky	0.000
Taylor County, West Virginia	0.000
Taylor County, Wisconsin	0.000
Tazewell County, Illinois	0.000
Tazewell County, Virginia	0.000
Tehama County, California	0.000

Telfair County, Georgia	0.000
Terry County, Texas	0.000
Teton County, Montana	0.000
Texas County, Missouri	0.000
Thomas County, Georgia	0.000
Thomas County, Kansas	0.000
Tift County, Georgia	0.000
Tillamook County, Oregon	0.000
Tioga County, New York	0.000
Tioga County, Pennsylvania	0.000
Tippah County, Mississippi	0.000
Tipton County, Indiana	0.000
Tishomingo County, Mississippi	0.000
Todd County, Minnesota	0.000
Tolland County, Connecticut	0.000
Tompkins County, New York	0.000
Toombs County, Georgia	0.000
Traill County, North Dakota	0.000
Transylvania County, North Carolina	0.000
Trempealeau County, Wisconsin	0.000
Treutlen County, Georgia	0.000
Trigg County, Kentucky	0.000
Trimble County, Kentucky	0.000
Trinity County, California	0.000
Trinity County, Texas	0.000

Tripp County, South Dakota	0.000
Trumbull County, Ohio	0.000
Tucker County, West Virginia	0.000
Tuolumne County, California	0.000
Turner County, Georgia	0.000
Tuscarawas County, Ohio	0.000
Tuscola County, Michigan	0.000
Twiggs County, Georgia	0.000
Tyler County, Texas	0.000
Tyler County, West Virginia	0.000
Tyrrell County, North Carolina	0.000
Ulster County, New York	0.000
Umatilla County, Oregon	0.000
Unicoi County, Tennessee	0.000
Union County, Arkansas	0.000
Union County, Florida	0.000
Union County, Georgia	0.000
Union County, Illinois	0.000
Union County, Kentucky	0.000
Union County, Mississippi	0.000
Union County, Pennsylvania	0.000
Union County, South Carolina	0.000
Union County, Tennessee	0.000
Union Parish, Louisiana	0.000
Upshur County, West Virginia	0.000

Upson County, Georgia	0.000
Uvalde County, Texas	0.000
Valley County, Idaho	0.000
Van Buren County, Iowa	0.000
Van Buren County, Michigan	0.000
Van Wert County, Ohio	0.000
Van Zandt County, Texas	0.000
Vance County, North Carolina	0.000
Vanderburgh County, Indiana	0.000
Venango County, Pennsylvania	0.000
Vermilion County, Illinois	0.000
Vermilion Parish, Louisiana	0.000
Vernon County, Missouri	0.000
Vernon County, Wisconsin	0.000
Vigo County, Indiana	0.000
Vinton County, Ohio	0.000
Virginia Beach city, Virginia	0.015
Volusia County, Florida	0.000
Wabash County, Indiana	0.000
Wabasha County, Minnesota	0.000
Wabaunsee County, Kansas	0.000
Wahkiakum County, Washington	0.000
Waldo County, Maine	0.000
Walker County, Alabama	0.000
Walker County, Georgia	0.000

Wallowa County, Oregon	0.000
Walsh County, North Dakota	0.000
Walthall County, Mississippi	0.000
Walworth County, Wisconsin	0.000
Wapello County, Iowa	0.000
Warren County, Georgia	0.000
Warren County, Illinois	0.000
Warren County, New Jersey	0.000
Warren County, New York	0.000
Warren County, North Carolina	0.000
Warren County, Pennsylvania	0.000
Warren County, Tennessee	0.000
Waseca County, Minnesota	0.000
Washburn County, Wisconsin	0.000
Washington County, Alabama	0.000
Washington County, Georgia	0.000
Washington County, Idaho	0.000
Washington County, Illinois	0.000
Washington County, Indiana	0.000
Washington County, Iowa	0.000
Washington County, Kansas	0.000
Washington County, Kentucky	0.000
Washington County, Maine	0.000
Washington County, Maryland	0.000
Washington County, Missouri	0.000

Washington County, Nebraska	0.000
Washington County, New York	0.000
Washington County, North Carolina	0.000
Washington County, Ohio	0.000
Washington County, Oklahoma	0.000
Washington County, Pennsylvania	0.000
Washington County, Rhode Island	0.000
Washington County, Vermont	0.000
Washington County, Virginia	0.000
Washington County, Wisconsin	0.000
Washington Parish, Louisiana	0.000
Washtenaw County, Michigan	0.023
Watonwan County, Minnesota	0.000
Waukesha County, Wisconsin	0.000
Waupaca County, Wisconsin	0.000
Waushara County, Wisconsin	0.000
Wayne County, Georgia	0.000
Wayne County, Indiana	0.000
Wayne County, Iowa	0.000
Wayne County, Kentucky	0.000
Wayne County, Michigan	0.000
Wayne County, Mississippi	0.000
Wayne County, Missouri	0.000
Wayne County, New York	0.000
Wayne County, Ohio	0.000

Wayne County, Pennsylvania	0.000
Wayne County, Tennessee	0.000
Wayne County, Utah	0.001
Wayne County, West Virginia	0.000
Weakley County, Tennessee	0.000
Webster County, Georgia	0.000
Webster County, Iowa	0.000
Webster County, Mississippi	0.000
Webster County, Missouri	0.000
Webster County, Nebraska	0.000
Webster County, West Virginia	0.000
Webster Parish, Louisiana	0.000
Wells County, Indiana	0.000
Wells County, North Dakota	0.000
West Carroll Parish, Louisiana	0.000
West Feliciana Parish, Louisiana	0.000
Westchester County, New York	0.000
Westmoreland County, Pennsylvania	0.000
Westmoreland County, Virginia	0.000
Wetzel County, West Virginia	0.000
Wexford County, Michigan	0.000
Wharton County, Texas	0.004
Wheatland County, Montana	0.000
White County, Illinois	0.000
White County, Indiana	0.000

White County, Tennessee	0.000
Whiteside County, Illinois	0.000
Whitley County, Indiana	0.000
Whitley County, Kentucky	0.000
Wilcox County, Alabama	0.000
Wilcox County, Georgia	0.000
Wilkes County, Georgia	0.000
Wilkes County, North Carolina	0.000
Wilkinson County, Georgia	0.000
Wilkinson County, Mississippi	0.000
Will County, Illinois	0.006
Willacy County, Texas	0.000
Williams County, Ohio	0.000
Williamsburg County, South Carolina	0.000
Williamson County, Illinois	0.000
Wilson County, Kansas	0.000
Windham County, Connecticut	0.000
Windham County, Vermont	0.000
Windsor County, Vermont	0.000
Winn Parish, Louisiana	0.000
Winnebago County, Illinois	0.000
Winnebago County, Wisconsin	0.000
Winneshiek County, Iowa	0.000
Winona County, Minnesota	0.000
Winston County, Alabama	0.000

Winston County, Mississippi	0.000
Wirt County, West Virginia	0.000
Wise County, Virginia	0.000
Wolfe County, Kentucky	0.000
Wood County, Ohio	0.000
Wood County, Texas	0.000
Wood County, West Virginia	0.000
Wood County, Wisconsin	0.000
Woodbury County, Iowa	0.000
Woodford County, Illinois	0.000
Woodford County, Kentucky	0.000
Woodruff County, Arkansas	0.000
Woods County, Oklahoma	0.000
Woodward County, Oklahoma	0.000
Worcester County, Maryland	0.000
Worcester County, Massachusetts	0.003
Worth County, Georgia	0.000
Worth County, Iowa	0.000
Wright County, Missouri	0.000
Wyandotte County, Kansas	0.000
Wyoming County, New York	0.000
Wyoming County, Pennsylvania	0.000
Wythe County, Virginia	0.000
Yadkin County, North Carolina	0.000
Yalobusha County, Mississippi	0.000

Yancey County, North Carolina	0.000
Yates County, New York	0.000
Yavapai County, Arizona	0.000
Yell County, Arkansas	0.000
Yellow Medicine County, Minnesota	0.000
York County, Maine	0.000
York County, Pennsylvania	0.000
York County, Virginia	0.009
Yuba County, California	0.000
Yuma County, Colorado	0.000
Zavala County, Texas	0.001

## Fig 9.7 Veg Farm Acreage: Full Non-parametric V weight list

Predictor	V Weight
Total population	0.01
Female	0.01
Median age years	0.01
One race White	0.01
One race Black or African American	0.01
One race American Indian and Alaska Native	0.01
One race Asian Indian	0.01
One race Asian Chinese	0.01
One race Asian Filipino	0.01
One race Asian Other Asian	0.01
One race Native Hawaiian and Other Pacific Islander	0.01

One race Some other race	0.01
Two or more races White and Black or African American	0.01
Two or more races White and American Indian and Alaska Native	0.01
Two or more races White and Asian	0.01
Two or more races Black or African American and American Indian and Alaska Native	0.01
Hispanic or Latino of any race	0.01
Hispanic or Latino of any race Mexican	0.01
Hispanic or Latino of any race Puerto Rican	0.01
Hispanic or Latino of any race Cuban	0.01
X Total housing units	0.01
In labor force Civilian labor force Employed	0.01
In labor force Civilian labor force Unemployed	0.01
In labor force Armed Forces	0.01
Females 16 years and over	0.01
X COMMUTING TO WORK Car truck or van drove alone	0.01
X COMMUTING TO WORK Car truck or van carpooled	0.01
X COMMUTING TO WORK Public transportation excluding taxicab	0.01
X COMMUTING TO WORK Walked	0.01
X COMMUTING TO WORK Worked at home	0.01
X COMMUTING TO WORK Mean travel time to work minutes	0.01
X OCCUPATION Management business science and arts occupations	0.01

X OCCUPATION Service occupations	0.01
X OCCUPATION Sales and office occupations	0.01
X OCCUPATION Natural resources construction and maintenance occupations	0.01
X OCCUPATION Production transportation and material moving occupations	0.01
X INDUSTRY Agriculture forestry fishing and hunting and mining	0.01
X INDUSTRY Construction	0.01
X INDUSTRY Manufacturing	0.01
X INDUSTRY Wholesale trade	0.01
X INDUSTRY Retail trade	0.01
X INDUSTRY Transportation and warehousing and utilities	0.01
X INDUSTRY Information	0.01
X INDUSTRY Finance and insurance and real estate and rental and leasing	0.01
X INDUSTRY Professional scientific and management and administrative and waste management services	0.01
X INDUSTRY Educational services and health care and social assistance	0.01
X INDUSTRY Arts entertainment and recreation and accommodation and food services	0.01
X INDUSTRY Other services except public administration	0.01
X INDUSTRY Public administration	0.01
X CLASS OF WORKER Private wage and salary workers	0.01
X CLASS OF WORKER Government workers	0.01
X CLASS OF WORKER Self employed in own not incorporated business workers	0.009

X CLASS OF WORKER Unpaid family workers	0.01
Total households	0.01
With earnings Mean earnings dollars	0.01
With Social Security	0.01
With Social Security Mean Social Security income dollars	0.01
With retirement income	0.01
With Supplemental Security Income	0.01
With cash public assistance income	0.01
With Food Stamp SNAP benefits in the past 12 months	0.01
Families	0.01
Median family income dollars	0.01
Mean family income dollars	0.01
Per capita income dollars	0.01
Nonfamily households	0.01
Median nonfamily income dollars	0.01
Mean nonfamily income dollars	0.01
Median earnings for male full time year round workers dollars	0.01
Civilian noninstitutionalized population	0.01
With health insurance coverage With private health insurance	0.01
With health insurance coverage With public coverage	0.01
No health insurance coverage	0.01
Civilian noninstitutionalized population under 18 years	0.01
Civilian noninstitutionalized population 18 to 64 years	0.01
Urban Inside urbanized areas	0.01

Urban Inside urban clusters	0.01
Rural	0.01
Male Ed Less Than High School	0.01
Male Ed High School Graduated	0.01
Male Ed Some College Or Associates	0.01
Male Ed Bachelors Degree Or Higher	0.01
Female Ed Less Than High School	0.01
Female Ed High School Graduated	0.01
Female Ed Some College Or Associates	0.01
Female Ed Bachelors Degree Or Higher	0.01
total votes x	0.01
republican vote percent x	0.01
democrat vote percent x	0.01
Age 0 To 9	0.01
Age 10 To 19	0.01
Age 20 To 24	0.01
Age 25 To 44	0.01
Age 45 To 64	0.01
Age 65 To 44	0.01
Income 0k 25k	0.01
Income 25k 50k	0.01
Income 50k 75k	0.01
Income 75k 100k	0.01
Income 100k 200k	0.01
Income Over 200k	0.01

County	W Weight
Atkinson County, Georgia	0.062
Bent County, Colorado	0.056
Appling County, Georgia	0.050
Barnwell County, South Carolina	0.049
Ashland County, Wisconsin	0.042
Bell County, Kentucky	0.038
Ashtabula County, Ohio	0.035
Benton County, Indiana	0.030
Barbour County, Alabama	0.028
Bamberg County, South Carolina	0.027
Appanoose County, Iowa	0.023
Barren County, Kentucky	0.023
Bay County, Michigan	0.023
Bayfield County, Wisconsin	0.023
Baldwin County, Georgia	0.022
Barron County, Wisconsin	0.022
Atoka County, Oklahoma	0.021
Attala County, Mississippi	0.021
Scotland County, Missouri	0.020
Augusta County, Virginia	0.020

## Fig 9.8 Veg Farm Acreage: Condensed Non-parametric W weight list

Baker County, Georgia	0.020
Bennington County, Vermont	0.020
Adair County, Iowa	0.019
Beaverhead County, Montana	0.019
Anoka County, Minnesota	0.017
Bailey County, Texas	0.017
Barnstable County, Massachusetts	0.017
Avoyelles Parish, Louisiana	0.013
Ballard County, Kentucky	0.012
Arenac County, Michigan	0.011
Ashley County, Arkansas	0.010
Audrain County, Missouri	0.009
Baltimore County, Maryland	0.009
Benton County, Tennessee	0.009
Athens County, Ohio	0.008
Baker County, Oregon	0.008
Bath County, Kentucky	0.007
Benton County, Missouri	0.007
Atlantic County, New Jersey	0.006
Baker County, Florida	0.006
Benton County, Mississippi	0.006
Aransas County, Texas	0.005
Aroostook County, Maine	0.005
Bacon County, Georgia	0.005
Auglaize County, Ohio	0.004

- Barry County, Michigan 0.004
- Bedford County, Pennsylvania 0.004

0.004

0.001

0.001

Beaver County, Pennsylvania

- DeKalb County, Illinois 0.003
- Lake County, Illinois0.003
- Anderson County, Texas0.003Atchison County, Kansas0.003
- Baraga County, Michigan 0.003
- Los Angeles County, California 0.002
- Benton County, Iowa 0.002
- Benzie County, Michigan0.002Dakota County, Minnesota0.001
- Kent County, Michigan 0.001
- Clermont County, Ohio 0.001
- Harford County, Maryland 0.001
- Blaine County, Idaho0.001Hale County, Texas0.001
- Washtenaw County, Michigan 0.001
- Lampasas County, Texas Fluvanna County, Virginia
- Jackson County, Mississippi0.001Currituck County, North Carolina0.001Jefferson County, Alabama0.001
- Jackson County, Missouri0.001Humboldt County, California0.001

Pearl River County, Mississippi	0.001
Chittenden County, Vermont	0.001
Crawford County, Arkansas	0.001
York County, Virginia	0.001
Benton County, Minnesota	0.001
Ashe County, North Carolina	0.001
Hillsborough County, New Hampshire	0.001
Goliad County, Texas	0.001
Pottawatomie County, Oklahoma	0.001
Accomack County, Virginia	0.001
Adair County, Kentucky	0.001
Adair County, Missouri	0.001
Adair County, Oklahoma	0.001
Adams County, Illinois	0.001
Adams County, Wisconsin	0.001
Albany County, New York	0.001
Alexander County, Illinois	0.001
Allamakee County, Iowa	0.001
Allegan County, Michigan	0.001
Allen County, Indiana	0.001
Allendale County, South Carolina	0.001
Alpena County, Michigan	0.001
Anderson County, Kentucky	0.001
Armstrong County, Pennsylvania	0.001
Ashland County, Ohio	0.001

Asotin County, Washington	0.001
Bates County, Missouri	0.001
Bath County, Virginia	0.001
Baxter County, Arkansas	0.001
Beaufort County, North Carolina	0.001
Belknap County, New Hampshire	0.001
Belmont County, Ohio	0.001
Bergen County, New Jersey	0.001
Carroll County, Georgia	0.000
Cochise County, Arizona	0.000
Jefferson Parish, Louisiana	0.000
Pike County, Georgia	0.000
Avery County, North Carolina	0.000
San Juan County, New Mexico	0.000
Morris County, New Jersey	0.000
Cole County, Missouri	0.000
Benton County, Oregon	0.000
Sevier County, Utah	0.000
Stanislaus County, California	0.000
Putnam County, West Virginia	0.000
Forrest County, Mississippi	0.000
Grant County, Kansas	0.000
Hendry County, Florida	0.000
Virginia Beach city, Virginia	0.000
Christian County, Kentucky	0.000

Hockley County, Texas	0.000
Ouachita Parish, Louisiana	0.000
Fremont County, Idaho	0.000
Holmes County, Ohio	0.000
Chilton County, Alabama	0.000
Anderson County, Kansas	0.000
Clay County, South Dakota	0.000
Colusa County, California	0.000
Will County, Illinois	0.000
Jackson County, Illinois	0.000
Sioux County, Iowa	0.000
Angelina County, Texas	0.000
Mayes County, Oklahoma	0.000
San Patricio County, Texas	0.000
Wharton County, Texas	0.000
Miller County, Missouri	0.000
Worcester County, Massachusetts	0.000
Cheatham County, Tennessee	0.000
McCook County, South Dakota	0.000
Wayne County, Utah	0.000
Zavala County, Texas	0.000
Abbeville County, South Carolina	0.000
Adams County, Indiana	0.000
Adams County, Nebraska	0.000
Adams County, Ohio	0.000

Adams County, Pennsylvania	0.000
Addison County, Vermont	0.000
Aitkin County, Minnesota	0.000
Alcona County, Michigan	0.000
Alcorn County, Mississippi	0.000
Alexander County, North Carolina	0.000
Alger County, Michigan	0.000
Allegany County, Maryland	0.000
Allegany County, New York	0.000
Alleghany County, North Carolina	0.000
Allegheny County, Pennsylvania	0.000
Allen County, Kentucky	0.000
Allen Parish, Louisiana	0.000
Amador County, California	0.000
Amelia County, Virginia	0.000
Amherst County, Virginia	0.000
Amite County, Mississippi	0.000
Anderson County, Tennessee	0.000
Andrew County, Missouri	0.000
Androscoggin County, Maine	0.000
Anson County, North Carolina	0.000
Antelope County, Nebraska	0.000
Antrim County, Michigan	0.000

Fig 9.9 Veg Farm Acreage: Condensed Non-parametric V weight list

Predictor	V Weight
Total population	0.003
Female	0.006
Median age years	0.005
One race White	0.002
One race Black or African American	0.007
One race American Indian and Alaska Native	0.114
One race Asian Asian Indian	0.007
One race Asian Chinese	0.003
One race Asian Filipino	0.000
One race Asian Other Asian	0.006
One race Native Hawaiian and Other Pacific Islander	0.012
One race Some other race	0.003
Two or more races White and Black or African American	0.000
Two or more races White and American Indian and Alaska Native	0.012
Two or more races White and Asian	0.003
Two or more races Black or African American and American Indian and Alaska Native	0.002
Hispanic or Latino of any race	0.003
Hispanic or Latino of any race Mexican	0.005
Hispanic or Latino of any race Puerto Rican	0.006
Hispanic or Latino of any race Cuban	0.057
X Total housing units	0.004
In labor force Civilian labor force Employed	0.005
In labor force Civilian labor force Unemployed	0.006

0.036
0.004
0.010
0.017
0.001
0.001
0.001
0.031
0.021
0.029
0.003
0.008
0.000
0.002
0.006
0.000
0.002
0.007
0.006
0.004
X INDUSTRY Finance and insurance and real estate and rental and leasing
---
X INDUSTRY Professional scientific and management and administrative and waste management services
X INDUSTRY Educational services and health care and social assistance
X INDUSTRY Arts entertainment and recreation and accommodation and food services
X INDUSTRY Other services except public administration
X INDUSTRY Public administration
X CLASS OF WORKER Private wage and salary workers
X CLASS OF WORKER Government workers
X CLASS OF WORKER Self employed in own not incorporated business workers
X CLASS OF WORKER Unpaid family workers
Total households
With earnings Mean earnings dollars
With Social Security
With Social Security Mean Social Security income dollars
With retirement income
With Supplemental Security Income
With cash public assistance income
With Food Stamp SNAP benefits in the past 12 months
Families
Median family income dollars
Mean family income dollars
Per capita income dollars

Nonfamily households	0.015
Median nonfamily income dollars	0.000
Mean nonfamily income dollars	0.013
Median earnings for male full time year round workers dollars	0.002
Civilian noninstitutionalized population	0.008
With health insurance coverage With private health insurance	0.001
With health insurance coverage With public coverage	0.004
No health insurance coverage	0.013
Civilian noninstitutionalized population under 18 years	0.001
Civilian noninstitutionalized population 18 to 64 years	0.001
Urban Inside urbanized areas	0.002
Urban Inside urban clusters	0.000
Rural	0.012
Male Ed Less Than High School	0.000
Male Ed High School Graduated	0.006
Male Ed Some College Or Associates	0.008
Male Ed Bachelors Degree Or Higher	0.013
Female Ed Less Than High School	0.007
Female Ed High School Graduated	0.006
Female Ed Some College Or Associates	0.010
Female Ed Bachelors Degree Or Higher	0.003
total votes x	0.007
republican vote percent x	0.005
democrat vote percent x	0.012

Age 0 To 9	0.020
Age 10 To 19	0.020
Age 20 To 24	0.004
Age 25 To 44	0.032
Age 45 To 64	0.001
Age 65 To 44	0.003
Income 0k 25k	0.001
Income 25k 50k	0.009
Income 50k 75k	0.004
Income 75k 100k	0.011
Income 100k 200k	0.009
Income Over 200k	0.044

Fig 9.10 Veg Farm Acreage: Full Parametric W weight list

County	W Weight
Abbeville County, South Carolina	0.000
Accomack County, Virginia	0.000
Adair County, Iowa	0.000
Adair County, Kentucky	0.000
Adair County, Missouri	0.000
Adair County, Oklahoma	0.000
Adams County, Illinois	0.001
Adams County, Indiana	0.000
Adams County, Nebraska	0.001
Adams County, Ohio	0.000

Adams County, Pennsylvania 0.000

0.000

0.000

0.000

0.000

0.000

0.000 Addison County, Vermont

Adams County, Wisconsin

Alcona County, Michigan

- Aitkin County, Minnesota 0.000
- Albany County, New York 0.001
- Alcorn County, Mississippi 0.000
- Alexander County, Illinois 0.000
- Alexander County, North Carolina Alger County, Michigan 0.000
- 0.000 Allamakee County, Iowa
- Allegan County, Michigan 0.000
- Allegany County, Maryland 0.000
- Allegany County, New York 0.000 0.000
- Alleghany County, North Carolina
- Allegheny County, Pennsylvania 0.001
- Allen County, Indiana 0.001 0.000 Allen County, Kentucky
- Allen Parish, Louisiana 0.000 Allendale County, South Carolina 0.000
- Alpena County, Michigan 0.000 Amador County, California 0.001 Amelia County, Virginia 0.000
- Amherst County, Virginia Amite County, Mississippi

Anderson County, Kansas	0.000

0.000

0.000

0.000

0.000

Anderson County, Kentucky

Andrew County, Missouri

Antrim County, Michigan

- Anderson County, Tennessee 0.000
- Anderson County, Texas 0.000
- Androscoggin County, Maine 0.000
- Angelina County, Texas 0.001
- Anoka County, Minnesota 0.004
- Anson County, North Carolina 0.000
- Antelope County, Nebraska 0.000
- 0.000 Appanoose County, Iowa
- Appling County, Georgia 0.000
- 0.001 Aransas County, Texas
- Arenac County, Michigan 0.000 Armstrong County, Pennsylvania
- Aroostook County, Maine 0.000
- 0.000 Ashe County, North Carolina
- Ashland County, Ohio
- Ashland County, Wisconsin 0.000
- Ashley County, Arkansas 0.000
- 0.000 Ashtabula County, Ohio Asotin County, Washington 0.001
- Atchison County, Kansas 0.000 Athens County, Ohio 0.000

Atkinson County, Georgia 0.000

0.001

0.001

0.000

0.000

0.000

Atlantic County, New Jersey

Auglaize County, Ohio

- Atoka County, Oklahoma 0.000
- Attala County, Mississippi0.000
- Audrain County, Missouri0.000
- Augusta County, Virginia
- Avery County, North Carolina 0.000
- Avoyelles Parish, Louisiana 0.000
- Bacon County, Georgia 0.000
- Bailey County, Texas0.000
- Baker County, Florida0.000
- Baker County, Georgia0.000Baker County, Oregon0.000
- Baldwin County, Georgia 0.000
- Ballard County, Kentucky 0.000
- Baltimore County, Maryland0.001Bamberg County, South Carolina0.000
- Baraga County, Michigan Barbour County, Alabama
- Barnstable County, Massachusetts0.001Barnwell County, South Carolina0.000Barren County, Kentucky0.000
- Barron County, Wisconsin0.000Barry County, Michigan0.000

Bates County, Missouri	0.000
Bath County, Kentucky	0.000
Bath County, Virginia	0.000
Baxter County, Arkansas	0.000
Bay County, Michigan	0.001
Bayfield County, Wisconsin	0.000
Beaufort County, North Carolina	0.000
Beaver County, Pennsylvania	0.001
Beaverhead County, Montana	0.000
Bedford County, Pennsylvania	0.000
Belknap County, New Hampshire	0.000
Bell County, Kentucky	0.000
Belmont County, Ohio	0.000
Bennington County, Vermont	0.000
Bent County, Colorado	0.000
Benton County, Indiana	0.000
Benton County, Iowa	0.000
Benton County, Minnesota	0.001
Benton County, Mississippi	0.000
Benton County, Missouri	0.000
Benton County, Oregon	0.001
Benton County, Tennessee	0.000
Benzie County, Michigan	0.000
Bergen County, New Jersey	0.001
Berks County, Pennsylvania	0.001

Berkshire County, Massachusetts	0.000
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Berrien County, Michigan

Blaine County, Montana

Bertie County, North Carolina 0.000

0.000

0.000

0.000

- Bibb County, Alabama 0.000
- Bienville Parish, Louisiana 0.000
- Black Hawk County, Iowa 0.001 Bladen County, North Carolina 0.000
- Blaine County, Idaho 0.001
- Blair County, Pennsylvania 0.000
- Bland County, Virginia 0.000
- Bledsoe County, Tennessee 0.000 Blount County, Alabama 0.000
- 0.001 Blount County, Tennessee
- 0.000 Bolivar County, Mississippi
- Bond County, Illinois Bonner County, Idaho 0.000
- 0.000 Boone County, Arkansas
- 0.001 Boone County, Illinois
- Boone County, Iowa 0.000
- Botetourt County, Virginia 0.001
- Boundary County, Idaho 0.000 Bourbon County, Kansas 0.000
- Bourbon County, Kentucky 0.000 Bowie County, Texas 0.001

Box Butte County, Nebraska	0.001

0.000

0.000

0.000

0.000

0.001

0.000

Boyd County, Kentucky

Bradford County, Florida

Bremer County, Iowa

- Boyle County, Kentucky 0.001
- Bracken County, Kentucky 0.000
- Bradford County, Pennsylvania 0.000
- Bradley County, Arkansas 0.000
- Branch County, Michigan 0.000
- Breathitt County, Kentucky 0.000
- Breckinridge County, Kentucky 0.000
- Bristol County, Massachusetts 0.000
- Bristol County, Rhode Island 0.001
- 0.000 Brooks County, Georgia
- 0.000 Brooks County, Texas
- Broome County, New York Brown County, Indiana 0.000
- 0.001 Brown County, Minnesota
- 0.000 Brown County, Ohio
- Brown County, Texas 0.001
- Brunswick County, Virginia 0.000
- Buchanan County, Missouri 0.001
- Buckingham County, Virginia Bucks County, Pennsylvania
- Buffalo County, Wisconsin

Bullock County, Alabama	0.000
Bureau County, Illinois	0.000
Burke County, Georgia	0.000
Burke County, North Carolina	0.000
Burlington County, New Jersey	0.001
Burnett County, Wisconsin	0.000
Burt County, Nebraska	0.000
Butler County, Alabama	0.000
Butler County, Kansas	0.001
Butler County, Kentucky	0.000
Butler County, Missouri	0.000
Butler County, Nebraska	0.001
Butler County, Ohio	0.001
Butler County, Pennsylvania	0.001
Butte County, California	0.001
Cabell County, West Virginia	0.000
Caddo Parish, Louisiana	0.001
Calaveras County, California	0.000
Caldwell County, Kentucky	0.000
Caldwell County, Missouri	0.000
Caldwell County, North Carolina	0.000
Caledonia County, Vermont	0.000
Calhoun County, Alabama	0.001
Calhoun County, Arkansas	0.000
Calhoun County, Illinois	0.000

Calhoun County, Iowa	0.000
Calhoun County, Michigan	0.000
Calhoun County, Mississippi	0.000
Calhoun County, West Virginia	0.000
Callahan County, Texas	0.001
Callaway County, Missouri	0.000
Calvert County, Maryland	0.001
Cambria County, Pennsylvania	0.000
Camden County, New Jersey	0.001
Cameron County, Pennsylvania	0.000
Cameron Parish, Louisiana	0.000
Camp County, Texas	0.000
Campbell County, Kentucky	0.001
Campbell County, Tennessee	0.000
Campbell County, Virginia	0.000
Cannon County, Tennessee	0.000
Cape May County, New Jersey	0.001
Carbon County, Montana	0.000
Carbon County, Pennsylvania	0.000
Carbon County, Utah	0.001
Caribou County, Idaho	0.001
Carlton County, Minnesota	0.000
Caroline County, Maryland	0.000
Carroll County, Arkansas	0.000
Carroll County, Georgia	0.001

Carroll County, Indiana	0.000

0.001

0.001

0.000

Carroll County, Iowa

Carroll County, Maryland

- Carroll County, Kentucky 0.000
- Carroll County, Mississippi 0.000
- Carroll County, Missouri0.000Carroll County, New Hampshire0.000
- Carroll County, Ohio 0.000
- Carroll County, Tennessee 0.000
- Carroll County, Virginia 0.000
- Carter County, Kentucky0.000Carter County, Missouri0.000
- Carter County, Oklahoma 0.000
- Carter County, Tennessee 0.000
- Cascade County, Montana 0.001
- Casey County, Kentucky 0.000
- Cass County, Illinois 0.000 Cass County, Indiana 0.000
- Cass County, Iowa 0.000
- Cass County, Michigan0.000Cass County, Nebraska0.001Cass County, Texas0.000Caswell County, North Carolina0.000
- Catawba County, North Carolina Cattaraugus County, New York

Cavalier County, North Dakota	0.000
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0.000

0.000

0.000

Cayuga County, New York

Cedar County, Nebraska

Chambers County, Alabama

Chattooga County, Georgia

- Cecil County, Maryland 0.001
- Cedar County, Iowa 0.000
- Cedar County, Missouri 0.000
- Cerro Gordo County, Iowa 0.001
- Chariton County, Missouri 0.000
- Charlevoix County, Michigan 0.000
- Charlotte County, Florida 0.001
- Charlotte County, Virginia 0.000
- Chase County, Nebraska 0.001 0.000
- 0.000 Chautauqua County, New York
- 0.000 Cheatham County, Tennessee
- Cheboygan County, Michigan 0.000
- 0.000 Chemung County, New York
- 0.000 Chenango County, New York 0.000 Cherokee County, Alabama
- Cherokee County, Kansas
- 0.000 Cherokee County, North Carolina Cherokee County, South Carolina 0.000
- 0.000 Cherokee County, Texas Cheshire County, New Hampshire 0.000

Chester County, South Carolina	0.000
Chester County, Tennessee	0.000
Chesterfield County, South Carolina	0.000
Cheyenne County, Nebraska	0.002
Chickasaw County, Iowa	0.000
Chickasaw County, Mississippi	0.000
Chilton County, Alabama	0.000
Chippewa County, Michigan	0.000
Chippewa County, Minnesota	0.000
Chippewa County, Wisconsin	0.000
Chittenden County, Vermont	0.000
Choctaw County, Alabama	0.000
Choctaw County, Mississippi	0.000
Choctaw County, Oklahoma	0.000
Chowan County, North Carolina	0.000
Christian County, Illinois	0.000
Christian County, Kentucky	0.001
Churchill County, Nevada	0.002
Citrus County, Florida	0.000
Claiborne County, Mississippi	0.000
Claiborne County, Tennessee	0.000
Claiborne Parish, Louisiana	0.000
Clallam County, Washington	0.001
Clare County, Michigan	0.000
Clarendon County, South Carolina	0.000

Clarion County, Pennsylvania	0.000
5, 5	

0.001

0.000

0.001

0.000

0.001

Clark County, Illinois 0.000

Clark County, Arkansas

Clark County, Ohio

Clay County, Georgia

- Clark County, Kentucky 0.000
- Clark County, Wisconsin 0.000
- Clarke County, Alabama 0.000
- Clarke County, Mississippi 0.000
- Clarke County, Virginia 0.000
- Clatsop County, Oregon 0.001
- Clay County, Indiana 0.000
- Clay County, Kansas 0.001
- Clay County, Kentucky 0.000
- Clay County, Mississippi 0.000
- Clay County, Nebraska 0.000
- Clay County, North Carolina0.000Clay County, South Dakota0.000
- Clay County, Texas
- Clayton County, Iowa0.000Clearfield County, Pennsylvania0.000Cleburne County, Alabama0.000Clermont County, Ohio0.001
- Cleveland County, North Carolina Clinton County, Illinois

Clinton County, Indiana

Clinton County, Iowa	0.000
Clinton County, Kentucky	0.000
Clinton County, Michigan	0.001
Clinton County, Missouri	0.000
Clinton County, New York	0.000
Clinton County, Ohio	0.000
Clinton County, Pennsylvania	0.000
Cloud County, Kansas	0.001
Coahoma County, Mississippi	0.000
Cochise County, Arizona	0.001
Cocke County, Tennessee	0.000
Codington County, South Dakota	0.001
Coffee County, Tennessee	0.000
Coffey County, Kansas	0.000
Colbert County, Alabama	0.000
Cole County, Missouri	0.001
Coles County, Illinois	0.001
Colleton County, South Carolina	0.000
Colorado County, Texas	0.000
Columbia County, Arkansas	0.000
Columbia County, Florida	0.000
Columbia County, New York	0.000
Columbia County, Oregon	0.001
Columbia County, Pennsylvania	0.000

Columbia County, Wisconsin	0.000
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Columbiana County, Ohio

Conecuh County, Alabama

Coos County, Oregon

Columbus County, North Carolina 0.000

0.000

0.000

0.000

0.000

- Colusa County, California 0.001
- Comanche County, Texas 0.000
- Conejos County, Colorado 0.000
- Conway County, Arkansas 0.000
- Cook County, Georgia 0.000
- Cook County, Illinois 0.001
- Cooke County, Texas 0.001
- Cooper County, Missouri0.000Coos County, New Hampshire0.000
- Coos County, New Hampshire0.000
- Coosa County, Alabama 0.000
- Copiah County, Mississippi 0.000
- Cortland County, New York 0.000
- Coshocton County, Ohio0.000Costilla County, Colorado0.000
- Cotton County, Oklahoma 0.000
- Covington County, Alabama 0.000
- Covington County, Mississippi 0.000
- Cowley County, Kansas0.001Cowlitz County, Washington0.001
- Craig County, Virginia

Crawford County, Arkansas	0.000
Crawford County, Indiana	0.000

- Crawford County, Kansas 0.000
- Crawford County, Missouri 0.000

Crawford County, Ohio

Crisp County, Georgia

Cullman County, Alabama

Crawford County, Pennsylvania 0.000

0.000

0.000

0.000

0.001

- Crawford County, Wisconsin 0.000
- Crenshaw County, Alabama 0.000
- Crittenden County, Kentucky 0.000
- Crockett County, Tennessee 0.000
- Cross County, Arkansas 0.000
- Crow Wing County, Minnesota 0.000
- Cumberland County, Illinois 0.000
- Cumberland County, Kentucky0.000Cumberland County, Maine0.000
- Cumberland County, New Jersey0.000Currituck County, North Carolina0.000
- Curry County, Oregon 0.000
- Custer County, Nebraska0.001Cuyahoga County, Ohio0.001Dakota County, Minnesota0.007Dakota County, Nebraska0.000
- Dale County, Alabama

Dallas County, Alabama	0.000
Dallas County, Missouri	0.000
Darke County, Ohio	0.000
Darlington County, South Carolina	0.000
Dauphin County, Pennsylvania	0.001
Davidson County, North Carolina	0.000
Davie County, North Carolina	0.000
Daviess County, Kentucky	0.000
Daviess County, Missouri	0.000
Davis County, Iowa	0.000
Dawson County, Nebraska	0.001
De Soto Parish, Louisiana	0.000
DeKalb County, Alabama	0.000
DeKalb County, Illinois	0.001
DeKalb County, Indiana	0.000
DeKalb County, Missouri	0.000
DeKalb County, Tennessee	0.000
DeSoto County, Florida	0.000
DeWitt County, Texas	0.001
Deaf Smith County, Texas	0.000
Dearborn County, Indiana	0.001
Decatur County, Georgia	0.000
Decatur County, Indiana	0.000
Decatur County, Tennessee	0.000
Defiance County, Ohio	0.001

Del Norte County, California 0.000

0.000

0.000

0.000

0.000

Delaware County, Indiana

Delta County, Colorado

Dillon County, South Carolina

- Delaware County, Iowa 0.000
- Delaware County, New York 0.000
- Delaware County, Oklahoma 0.000
- Delta County, Michigan 0.000
- Delta County, Texas 0.000
- Dent County, Missouri 0.000
- Des Moines County, Iowa0.000Deuel County, South Dakota0.000
- Dewey County, Oklahoma 0.000
- Dickinson County, Michigan 0.000
- Doddridge County, West Virginia 0.000
- Dodge County, Georgia 0.000
- Dodge County, Minnesota 0.001
- Dodge County, Nebraska 0.001
- Dodge County, Wisconsin 0.001
- Doniphan County, Kansas 0.000
- Donley County, Texas
- Dooly County, Georgia0.000Door County, Wisconsin0.000
- Dorchester County, Maryland0.000Douglas County, Illinois0.000

0.000

0.000

0.001

Douglas County, Missouri	0.000

Douglas County, Minnesota

Drew County, Arkansas

- Douglas County, Wisconsin0.000
- Dubois County, Indiana 0.000
- Dubois County, Indiana0.000Dubuque County, Iowa0.001
- Dundy County, Nebraska 0.000
- Dunklin County, Missouri 0.000
- Dunn County, Wisconsin0.000Dutchess County, New York0.001East Baton Rouge Parish, Louisiana0.002
- East Feliciana Parish, Louisiana0.000Eastland County, Texas0.001
- Eaton County, Michigan0.001Echols County, Georgia0.000Edgar County, Illinois0.000Edgecombe County, North Carolina0.000Edgefield County, South Carolina0.000
- Edmonson County, Kentucky Effingham County, Illinois
- El Dorado County, California0.002Elbert County, Georgia0.000Elk County, Pennsylvania0.000Elkhart County, Indiana0.001Elmore County, Idaho0.001

Emanuel County, Georgia 0.000

0.001

0.000

0.003

0.001

0.001

0.000

0.000

0.000 Emmet County, Michigan

Emery County, Utah

Fairfield County, Ohio

Fayette County, Illinois

- Erie County, New York 0.001
- Erie County, Ohio Erie County, Pennsylvania 0.000
- Escambia County, Alabama 0.000
- Escambia County, Florida
- Essex County, Massachusetts 0.001
- Essex County, New Jersey 0.001
- 0.000 Essex County, New York
- 0.000 Estill County, Kentucky
- Etowah County, Alabama 0.000 Evangeline Parish, Louisiana
- 0.000 Evans County, Georgia
- Falls County, Texas 0.000
- Fannin County, Georgia 0.000
- 0.000 Fannin County, Texas
- Faribault County, Minnesota 0.000
- Fayette County, Alabama 0.000
- Fayette County, Georgia 0.009
- Fayette County, Iowa 0.000
- Fayette County, Ohio

Fayette County, Pennsylvania	0.000

0.000

0.000

- Fentress County, Tennessee 0.000
- Fergus County, Montana 0.001
- Ferry County, Washington Fillmore County, Minnesota 0.000
- Fleming County, Kentucky 0.000
- Florence County, South Carolina 0.001
- Florence County, Wisconsin 0.000
- Floyd County, Georgia 0.001
- Floyd County, Indiana 0.001 Floyd County, Iowa 0.000
- Floyd County, Kentucky 0.000
- 0.001 Floyd County, Texas
- Fluvanna County, Virginia 0.000
- Fond du Lac County, Wisconsin 0.001
- Forest County, Pennsylvania 0.000
- 0.001 Forrest County, Mississippi
- 0.000 Franklin County, Alabama
- Franklin County, Georgia 0.000 0.000
- Franklin County, Indiana Franklin County, Iowa 0.000
- Franklin County, Kansas 0.001 Franklin County, Kentucky 0.001
- Franklin County, Maine

Fayette County, West Virginia

Franklin County, Massachusetts	0.000
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Franklin County, Mississippi 0.000

Franklin County, Missouri

Franklin County, Texas

Fulton County, Indiana

Franklin County, New York 0.000

0.000

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0.001

0.000

- Franklin County, Tennessee 0.000
- Franklin County, Vermont 0.000
- Franklin County, Virginia 0.000
- Franklin Parish, Louisiana 0.000
- Freeborn County, Minnesota 0.000
- Freestone County, Texas 0.001 Fremont County, Colorado
- Fremont County, Idaho 0.001
- 0.000 Fremont County, Iowa
- 0.000 Fulton County, Illinois
- Fulton County, New York 0.000
- Fulton County, Ohio 0.000
- Fulton County, Pennsylvania 0.000
- Gadsden County, Florida 0.000
- Gage County, Nebraska 0.000
- Gallatin County, Kentucky 0.000
- Gallia County, Ohio 0.000 0.001
- Garland County, Arkansas Garrard County, Kentucky 0.000

Garrett County, Maryland	0.000

0.000

Garvin County, Oklahoma

Gilchrist County, Florida

- Gasconade County, Missouri 0.000
- Geauga County, Ohio 0.000
- Gem County, Idaho0.001Genesee County, Michigan0.001
- Genesee County, New York 0.000
- Geneva County, Alabama 0.000
- Gentry County, Missouri0.000Georgetown County, South Carolina0.000
- Gibson County, Indiana 0.001
- Gibson County, Tennessee 0.000
- Gila County, Arizona 0.001
- Giles County, Tennessee 0.000
- Giles County, Virginia 0.000
- Gilmer County, Georgia 0.000
- Glacier County, Montana0.000Gladwin County, Michigan0.000
- Gladwin County, Michigan0.000Glenn County, California0.001
- Gloucester County, New Jersey 0.001
- Gloucester County, Virginia0.001Goliad County, Texas0.000
- Goochland County, Virginia0.000Goodhue County, Minnesota0.001

Gooding County, Idaho	0.001
Grady County, Georgia	0.000
Grafton County, New Hampshire	0.000
Graham County, North Carolina	0.000
Grainger County, Tennessee	0.000
Grand Forks County, North Dakota	0.001
Grant County, Arkansas	0.000
Grant County, Indiana	0.000
Grant County, Kansas	0.108
Grant County, Kentucky	0.000
Grant County, New Mexico	0.001
Grant County, West Virginia	0.000
Grant County, Wisconsin	0.000
Granville County, North Carolina	0.000
Gratiot County, Michigan	0.000
Graves County, Kentucky	0.000
Grays Harbor County, Washington	0.000
Grayson County, Kentucky	0.000
Grayson County, Texas	0.001
Grayson County, Virginia	0.000
Green County, Kentucky	0.000
Green County, Wisconsin	0.000
Green Lake County, Wisconsin	0.000
Greenbrier County, West Virginia	0.000
Greene County, Alabama	0.000

Greene County, Indiana	0.000
Greene County, New York	0.000
Greene County, North Carolina	0.000
Greene County, Ohio	0.002
Greene County, Pennsylvania	0.000
Greene County, Tennessee	0.000
Greensville County, Virginia	0.000
Greenup County, Kentucky	0.000
Greenwood County, South Carolina	0.000
Grimes County, Texas	0.000
Grundy County, Missouri	0.001
Grundy County, Tennessee	0.000
Guadalupe County, New Mexico	0.000
Guernsey County, Ohio	0.000
Hale County, Alabama	0.000
Hale County, Texas	0.001
Halifax County, North Carolina	0.000
Halifax County, Virginia	0.000
Hamilton County, Florida	0.000
Hamilton County, Illinois	0.000
Hamilton County, Iowa	0.000
Hamilton County, Nebraska	0.002
Hamilton County, New York	0.000
Hamilton County, Ohio	0.001
Hampden County, Massachusetts	0.001

Hampshire County, Massachusetts	0.000
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Hampton County, South Carolina 0.000

0.000

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0.001

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0.000

0.000

0.000

- Hancock County, Georgia 0.000
- Hancock County, Kentucky 0.000
- Hancock County, Maine Hancock County, Ohio

Hardeman County, Tennessee

Hampshire County, West Virginia

- Hancock County, Tennessee 0.000
- Hancock County, West Virginia 0.000
- Hanover County, Virginia0.002Hanson County, South Dakota0.001
- Haralson County, Georgia 0.000
- Hardee County, Florida 0.000
- Hardin County, Iowa 0.000
- Hardin County, Tennessee 0.000
- Harford County, Maryland 0.002
- Harrison County, Indiana 0.000
- Harrison County, Iowa0.000Harrison County, Kentucky0.000
- Harrison County, Kentucky Harrison County, Missouri
- Harrison County, Ohio Harrison County, West Virginia
- Hart County, Georgia0.000Hart County, Kentucky0.000

Hartford County, Connecticut	0.001

0.000

0.000

0.000

- Haskell County, Oklahoma 0.000
- Haywood County, North Carolina 0.000
- Haywood County, Tennessee

Harvey County, Kansas

Heard County, Georgia

Hawkins County, Tennessee

- Hempstead County, Arkansas 0.000
- Henderson County, Illinois 0.000
- Henderson County, Kentucky 0.000
- Henderson County, Tennessee 0.000
- Henderson County, Texas 0.000
- Hendry County, Florida0.000Henry County, Alabama0.000
- Henry County, Illinois 0.000
- Henry County, Indiana 0.000
- Henry County, Iowa0.000Henry County, Kentucky0.000
- Henry County, Missouri 0.000
- Henry County, Ohio 0.000
- Henry County, Tennessee0.000Henry County, Virginia0.000
- Herkimer County, New York0.000Hernando County, Florida0.001
- Hernando County, Florida0.001Hertford County, North Carolina0.000

Hickman County, Tennessee	0.000
Hidalgo County, New Mexico	0.000
Highland County, Ohio	0.000
Highland County, Virginia	0.000
Highlands County, Florida	0.001
Hill County, Montana	0.001
Hill County, Texas	0.000
Hillsborough County, New Hampshire	0.001
Hillsdale County, Michigan	0.000
Hinds County, Mississippi	0.000
Hocking County, Ohio	0.000
Hockley County, Texas	0.002
Holmes County, Florida	0.000
Holmes County, Mississippi	0.000
Holmes County, Ohio	0.000
Hopkins County, Kentucky	0.000
Hopkins County, Texas	0.000
Hot Spring County, Arkansas	0.000
Houghton County, Michigan	0.000
Houston County, Minnesota	0.000
Howard County, Iowa	0.000
Howard County, Missouri	0.000
Howard County, Nebraska	0.000
Howell County, Missouri	0.000
Hudspeth County, Texas	0.000

Hughes County, Oklahoma	0.000
Humboldt County, California	0.000
Humphreys County, Mississippi	0.000
Humphreys County, Tennessee	0.000
Hunt County, Texas	0.001
Hunterdon County, New Jersey	0.001
Huntingdon County, Pennsylvania	0.000
Huntington County, Indiana	0.001
Huron County, Michigan	0.000
Huron County, Ohio	0.000
Hutchinson County, South Dakota	0.000
Hyde County, North Carolina	0.000
Iberia Parish, Louisiana	0.001
Iberville Parish, Louisiana	0.000
Independence County, Arkansas	0.000
Indiana County, Pennsylvania	0.000
Ingham County, Michigan	0.001
Ionia County, Michigan	0.000
Iosco County, Michigan	0.000
Iowa County, Wisconsin	0.000
Iron County, Michigan	0.000
Iron County, Wisconsin	0.000
Irwin County, Georgia	0.000
Isabella County, Michigan	0.000
Isanti County, Minnesota	0.001

Island County, Washington 0.001

0.001

0.001

0.001

0.000

Itasca County, Minnesota 0.000

Isle of Wight County, Virginia

Jack County, Texas

Jackson County, Mississippi

Jackson Parish, Louisiana

- Itawamba County, Mississippi 0.000
- Izard County, Arkansas 0.000
- Jackson County, Alabama 0.000
- Jackson County, Arkansas 0.000
- Jackson County, Florida 0.000
- Jackson County, Illinois 0.000
- Jackson County, Indiana 0.000
- Jackson County, Iowa0.000Jackson County, Kansas0.000
- Jackson County, Kansas0.000Jackson County, Kentucky0.000
- Jackson County, Michigan 0.001
- Jackson County, Minnesota 0.000
- Jackson County, Missouri 0.001
- Jackson County, Ohio 0.000
- Jackson County, Oregon 0.001
- Jackson County, Tennessee 0.000
- Jackson County, West Virginia 0.000
- Jackson County, Wisconsin 0.000
- Jasper County, Georgia 0.000

0.000

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0.000

0.000

0.000

Jasper County, Indiana	0.000
Jasper County, Iowa	0.000

- Jasper County, Mississippi
- Jasper County, Missouri 0.001
- Jefferson County, Alabama 0.001

Jasper County, Texas

Jefferson County, Iowa

- Jefferson County, Arkansas 0.000
- Jefferson County, Florida 0.000
- Jefferson County, Georgia 0.000
- Jefferson County, Indiana 0.000
- Jefferson County, Kansas 0.000
- Jefferson County, Missouri 0.001
- 0.000 Jefferson County, Ohio
- 0.000 Jefferson County, Oklahoma
- Jefferson County, Pennsylvania 0.000
- Jefferson County, Texas 0.001
- 0.000 Jefferson County, Washington
- Jefferson County, Wisconsin
- Jefferson Davis County, Mississippi Jefferson Davis Parish, Louisiana Jefferson Parish, Louisiana Jennings County, Indiana
- Jo Daviess County, Illinois Johnson County, Arkansas

Johnson County, Georgia 0.000

0.000

0.000

0.001

Johnson County, Kentucky

Juniata County, Pennsylvania

- Johnson County, Tennessee 0.000
- Johnston County, Oklahoma 0.000
- Jones County, Iowa 0.000 Jones County, Mississippi 0.000
- Jones County, Texas 0.000
- Josephine County, Oregon 0.000
- Kalkaska County, Michigan 0.000
- Kanabec County, Minnesota 0.000
- Kanawha County, West Virginia 0.000
- Kandiyohi County, Minnesota 0.001
- Kankakee County, Illinois Kay County, Oklahoma 0.001
- 0.001 Keith County, Nebraska
- Kemper County, Mississippi 0.000
- Kennebec County, Maine 0.000
- Kenosha County, Wisconsin 0.001
- Kent County, Maryland 0.000
- Kent County, Michigan 0.001 Kent County, Rhode Island 0.001
- Kenton County, Kentucky 0.001
- Keokuk County, Iowa 0.000 Kewaunee County, Wisconsin 0.000

Kidder County, North Dakota	0.000
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0.000

0.000

King and Queen County, Virginia

Knox County, Indiana

- Kingfisher County, Oklahoma 0.001
- Kingman County, Kansas 0.001
- Kings County, California0.052Kittson County, Minnesota0.000
- Klamath County, Oregon 0.001
- Knox County, Illinois 0.000
- Knox County, Kentucky 0.000
- Knox County, Maine 0.000
- Knox County, Missouri0.000Knox County, Nebraska0.000
- Knox County, Ohio 0.000
- Koochiching County, Minnesota 0.000
- Kosciusko County, Indiana0.001Kossuth County, Iowa0.000
- La Paz County, Arizona0.000LaGrange County, Indiana0.000
- LaPorte County, Indiana 0.000
- LaSalle County, Illinois0.001LaSalle Parish, Louisiana0.000
- Labette County, Kansas0.000Lackawanna County, Pennsylvania0.000
- Laclede County, Missouri

- Lafayette County, Missouri 0.000
- Lafayette County, Wisconsin Lafourche Parish, Louisiana 0.001

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- Lake County, California 0.000
- Lake County, Illinois 0.001
- Lake County, Montana 0.000
- Lake County, Ohio

Lake County, Indiana

- Lamar County, Alabama 0.000
- Lamar County, Georgia 0.000
- Lamar County, Texas 0.001 Lampasas County, Texas
- Lancaster County, Virginia 0.000
- Langlade County, Wisconsin 0.000
- 0.000 Lapeer County, Michigan
- 0.000 Larue County, Kentucky Lassen County, California 0.001
- 0.000 Lauderdale County, Alabama
- 0.001 Lauderdale County, Mississippi
- Lauderdale County, Tennessee 0.000
- Laurel County, Kentucky
- Laurens County, Georgia Laurens County, South Carolina
- Lawrence County, Alabama Lawrence County, Arkansas
| Lawrence County, Illinois | 0.000 |
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0.000

0.000

0.003

Lawrence County, Indiana

Lawrence County, Mississippi

Lawrence County, Ohio

Lee County, Georgia

Lee County, Kentucky

- Lawrence County, Kentucky 0.000
- 0.000
- Lawrence County, Missouri
- Lawrence County, Pennsylvania 0.000 Lawrence County, South Dakota 0.000
- Lawrence County, Tennessee 0.000
- Le Flore County, Oklahoma 0.000
- 0.000 Le Sueur County, Minnesota
- Leake County, Mississippi 0.000
- Lee County, Arkansas 0.000
- 0.000 Lee County, Illinois
- 0.000 Lee County, Iowa 0.000
- 0.000 Lee County, South Carolina
- 0.001 Lee County, Texas
- Lee County, Virginia 0.000
- Leelanau County, Michigan 0.000 0.000
- Lenawee County, Michigan Lenoir County, North Carolina 0.000
- Leon County, Texas 0.000 Letcher County, Kentucky 0.000

Levy County, Florida 0.000

0.000

0.000

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0.000

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0.000

0.000

Lewis County, Kentucky

Lincoln County, Arkansas

Lincoln County, Mississippi

- Lewis County, Missouri 0.000
- Lewis County, New York Lewis County, Tennessee 0.000
- Lewis County, Washington 0.000
- Lewis County, West Virginia 0.000
- Liberty County, Texas
- Licking County, Ohio 0.001
- Limestone County, Texas 0.000
- Lincoln County, Kentucky 0.000
- Lincoln County, Maine 0.000
- 0.000 Lincoln County, Oklahoma
- 0.000 Lincoln County, Oregon
- Lincoln County, Tennessee 0.000
- 0.000 Lincoln County, Washington
- 0.000 Lincoln County, West Virginia
- Lincoln County, Wisconsin Linn County, Missouri
- 0.000 Litchfield County, Connecticut
- Little River County, Arkansas 0.000 Live Oak County, Texas 0.000
- Livingston County, Illinois 0.001

0.000

Livingston County, Michigan	0.002
Livingston County, New York	0.000
Logan County, Arkansas	0.000
Logan County, Colorado	0.001
Logan County, Kentucky	0.000
Logan County, Ohio	0.000
Logan County, West Virginia	0.000
Lorain County, Ohio	0.001
Los Angeles County, California	0.000
Louisa County, Iowa	0.000
Love County, Oklahoma	0.000
Lowndes County, Alabama	0.000
Lowndes County, Mississippi	0.001
Lucas County, Iowa	0.000
Lucas County, Ohio	0.001
Luna County, New Mexico	0.000
Lunenburg County, Virginia	0.000
Luzerne County, Pennsylvania	0.000
Lycoming County, Pennsylvania	0.000
Lyon County, Kansas	0.001
Lyon County, Kentucky	0.000
Macomb County, Michigan	0.002
Macon County, Alabama	0.005

Livingston County, Kentucky

Macon County, Georgia

Macon County, Illinois	0.001
Macon County, Missouri	0.000
Macon County, North Carolina	0.000
Macoupin County, Illinois	0.000
Madison County, Arkansas	0.000
Madison County, Florida	0.000
Madison County, Georgia	0.000
Madison County, Illinois	0.001
Madison County, Indiana	0.000
Madison County, Montana	0.000
Madison County, Nebraska	0.001
Madison County, New York	0.000
Madison County, North Carolina	0.000
Madison County, Ohio	0.000
Madison County, Tennessee	0.001
Madison County, Virginia	0.000
Madison Parish, Louisiana	0.000
Magoffin County, Kentucky	0.000
Mahaska County, Iowa	0.000
Mahoning County, Ohio	0.000
Major County, Oklahoma	0.000
Malheur County, Oregon	0.001
Manistee County, Michigan	0.000
Manitowoc County, Wisconsin	0.000
Marathon County, Wisconsin	0.001

Marengo County, Alabama	0.000

0.000

0.000

Maries County, Missouri

Marion County, Illinois

- Marinette County, Wisconsin 0.000
- Marion County, Alabama 0.000
- Marion County, Florida 0.001 0.000
- Marion County, Iowa 0.001
- Marion County, Kentucky 0.000
- Marion County, Mississippi 0.000
- Marion County, Ohio 0.000 Marion County, South Carolina 0.000
- Marion County, West Virginia 0.000
- Mariposa County, California 0.000
- Marlboro County, South Carolina 0.000
- 0.000 Marquette County, Michigan 0.000 Marquette County, Wisconsin
- Marshall County, Illinois 0.000
- 0.000 Marshall County, Indiana
- 0.001 Marshall County, Iowa
- Marshall County, Kentucky 0.000
- Marshall County, Minnesota 0.000
- 0.000 Marshall County, Mississippi Marshall County, West Virginia 0.000
- Martin County, Kentucky Martin County, Minnesota

Mason County, Illinois	0.000
Mason County, Kentucky	0.000
Mason County, Michigan	0.000
Mason County, Washington	0.000
Mason County, West Virginia	0.000
Massac County, Illinois	0.001
Matagorda County, Texas	0.001
Mathews County, Virginia	0.000
Mayes County, Oklahoma	0.000
McCook County, South Dakota	0.000
McCracken County, Kentucky	0.001
McCulloch County, Texas	0.001
McCurtain County, Oklahoma	0.000
McDonald County, Missouri	0.000
McDonough County, Illinois	0.000
McDowell County, North Carolina	0.000
McDuffie County, Georgia	0.000
McHenry County, Illinois	0.002
McIntosh County, Oklahoma	0.000
McKean County, Pennsylvania	0.000
McLean County, Kentucky	0.000
McLeod County, Minnesota	0.001
McMinn County, Tennessee	0.000
McNairy County, Tennessee	0.000
McPherson County, Kansas	0.001

Meade County, Kentucky	0.000
Mecklenburg County, Virginia	0.000
Medina County, Ohio	0.001
Meeker County, Minnesota	0.000
Meigs County, Ohio	0.000
Meigs County, Tennessee	0.000
Menard County, Illinois	0.000
Mendocino County, California	0.000
Menifee County, Kentucky	0.000
Menominee County, Michigan	0.000
Mercer County, Kentucky	0.000
Mercer County, New Jersey	0.001
Mercer County, Ohio	0.000
Mercer County, Pennsylvania	0.000
Mercer County, West Virginia	0.000
Meriwether County, Georgia	0.000
Merrimack County, New Hampshire	0.000
Metcalfe County, Kentucky	0.000
Miami County, Indiana	0.000
Miami County, Kansas	0.001
Miami County, Ohio	0.001
Middlesex County, Connecticut	0.001
Midland County, Michigan	0.001
Mifflin County, Pennsylvania	0.000
Milam County, Texas	0.000

Mille Lacs County, Minnesota	0.000

0.000

0.000

Miller County, Arkansas

- Miller County, Missouri 0.000
- Mills County, Iowa 0.001
- Milwaukee County, Wisconsin 0.001
- Mineral County, West Virginia Missaukee County, Michigan 0.000
- Mississippi County, Arkansas 0.000
- Mississippi County, Missouri 0.000
- Mitchell County, Georgia 0.000
- Mitchell County, Iowa 0.000 0.000 Mitchell County, North Carolina
- Mobile County, Alabama 0.001
- 0.001 Modoc County, California
- 0.000 Moniteau County, Missouri 0.001 Monmouth County, New Jersey
- Monroe County, Alabama 0.000
- 0.000 Monroe County, Kentucky
- 0.001 Monroe County, Michigan
- Monroe County, Mississippi 0.000
- Monroe County, Missouri 0.000
- 0.001 Monroe County, New York
- 0.000 Monroe County, Ohio Monroe County, Pennsylvania 0.000
- Monroe County, Tennessee

Monroe County, West Virginia	0.000
Monroe County, Wisconsin	0.000
Montague County, Texas	0.000
Montcalm County, Michigan	0.000
Montezuma County, Colorado	0.000
Montgomery County, Alabama	0.001
Montgomery County, Arkansas	0.000
Montgomery County, Georgia	0.000
Montgomery County, Illinois	0.000
Montgomery County, Indiana	0.000
Montgomery County, Kansas	0.001
Montgomery County, Mississippi	0.000
Montgomery County, New York	0.000
Montgomery County, North Carolina	0.000
Montgomery County, Ohio	0.001
Montgomery County, Pennsylvania	0.001
Montour County, Pennsylvania	0.000
Montrose County, Colorado	0.001
Moore County, Tennessee	0.000
Mora County, New Mexico	0.000
Morehouse Parish, Louisiana	0.000
Morgan County, Alabama	0.001
Morgan County, Colorado	0.001
Morgan County, Georgia	0.000
Morgan County, Illinois	0.000

Morgan County, Indiana	0.001
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0.001

Morgan County, Kentucky

Morgan County, Tennessee

Morrow County, Oregon

Muscatine County, Iowa

- Morgan County, Missouri 0.000
- Morgan County, Ohio 0.000
- Morgan County, West Virginia 0.000
- Morris County, New Jersey 0.001
- Morris County, Texas
- Morrison County, Minnesota 0.000
- Morrow County, Ohio 0.000
- Moultrie County, Illinois 0.000
- Mower County, Minnesota 0.000
- Muhlenberg County, Kentucky 0.000
- Murray County, Georgia 0.000
- Muskegon County, Michigan 0.000
- Muskingum County, Ohio 0.000
- Muskogee County, Oklahoma 0.000
- Nash County, North Carolina0.001
- Natchitoches Parish, Louisiana0.000Navajo County, Arizona0.000
- Navajo County, Arizona0.000Navarro County, Texas0.001Nelson County, Virginia0.000
- Nemaha County, Nebraska 0.001

Neosho County, Kansas	0.001
Neshoba County, Mississippi	0.000
Nevada County, Arkansas	0.000
Nevada County, California	0.001
New Castle County, Delaware	0.001
New Haven County, Connecticut	0.001
New London County, Connecticut	0.001
Newaygo County, Michigan	0.000
Newberry County, South Carolina	0.000
Newport County, Rhode Island	0.001
Newton County, Arkansas	0.000
Newton County, Indiana	0.000
Newton County, Mississippi	0.000
Newton County, Missouri	0.000
Newton County, Texas	0.000
Nez Perce County, Idaho	0.001
Niagara County, New York	0.000
Nicholas County, Kentucky	0.000
Nicholas County, West Virginia	0.000
Nicollet County, Minnesota	0.001
Noble County, Indiana	0.000
Noble County, Oklahoma	0.000
Nodaway County, Missouri	0.000
Norman County, Minnesota	0.000
Northampton County, North Carolina	0.000

Northampton County, Pennsylvania	0.001
Northampton County, Virginia	0.000
Northumberland County, Pennsylvania	0.000
Northumberland County, Virginia	0.000
Nottoway County, Virginia	0.000
Noxubee County, Mississippi	0.000
O'Brien County, Iowa	0.000
Oakland County, Michigan	0.002
Obion County, Tennessee	0.000
Ocean County, New Jersey	0.001
Oceana County, Michigan	0.000
Oconee County, South Carolina	0.000
Oconto County, Wisconsin	0.000
Ogemaw County, Michigan	0.000
Ogle County, Illinois	0.001
Oglethorpe County, Georgia	0.000
Ohio County, Kentucky	0.000
Ohio County, West Virginia	0.000
Okfuskee County, Oklahoma	0.000
Okmulgee County, Oklahoma	0.000
Oneida County, New York	0.000
Oneida County, Wisconsin	0.000
Onondaga County, New York	0.001
Ontario County, New York	0.000
Orange County, Indiana	0.000

Orange County, New York	0.001
Orange County, Texas	0.001
Orange County, Vermont	0.000
Orangeburg County, South Carolina	0.000
Oregon County, Missouri	0.000
Orleans County, New York	0.000
Orleans County, Vermont	0.000
Osage County, Kansas	0.000
Osage County, Missouri	0.000
Osage County, Oklahoma	0.000
Osceola County, Michigan	0.000
Oscoda County, Michigan	0.000
Oswego County, New York	0.000
Otero County, Colorado	0.001
Otoe County, Nebraska	0.000
Otsego County, Michigan	0.000
Otsego County, New York	0.000
Ottawa County, Kansas	0.000
Ottawa County, Michigan	0.002
Ottawa County, Ohio	0.000
Otter Tail County, Minnesota	0.000
Ouachita County, Arkansas	0.000
Ouachita Parish, Louisiana	0.001
Outagamie County, Wisconsin	0.001
Owen County, Indiana	0.000

Owen County, Kentucky 0.000

0.000

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0.000

0.000

Owsley County, Kentucky

Ozark County, Missouri

Parmer County, Texas

- Owyhee County, Idaho 0.000
- Oxford County, Maine 0.000
- Ozaukee County, Wisconsin 0.002
- Page County, Iowa 0.001
- Palo Alto County, Iowa0.000
- Palo Pinto County, Texas0.000
- Panola County, Mississippi0.000Panola County, Texas0.000
- Park County, Montana 0.000
- Parke County, Indiana 0.000
- Pasquotank County, North Carolina 0.001
- Passaic County, New Jersey0.001Patrick County, Virginia0.000
- Paulding County, Ohio 0.000
- Pawnee County, Kansas0.001
- Payette County, Idaho0.000Pearl River County, Mississippi0.000
- Pecos County, Texas Pembina County, North Dakota Pendleton County, Kentucky
- Pendleton County, West Virginia

Penobscot County, Maine	0.000

0.000

0.000

0.000

0.000

- Perry County, Alabama 0.000
- Perry County, Arkansas 0.000
- Perry County, Illinois

Peoria County, Illinois

Pepin County, Wisconsin

Perry County, Kentucky

Piatt County, Illinois

- Perry County, Mississippi 0.000
- Perry County, Missouri 0.000
- Perry County, Ohio0.000Perry County, Pennsylvania0.000
- Perry County, Pennsylvania0.000Perry County, Tennessee0.000
- Person County, North Carolina 0.000
- Pettis County, Missouri 0.000
- Phelps County, Missouri 0.000
- Phillips County, Arkansas 0.000
- Pickaway County, Ohio 0.000
- Pickens County, Alabama 0.000
- Pickens County, Georgia0.000Pickens County, South Carolina0.001
- Pickett County, Tennessee0.000Pierce County, Wisconsin0.001
- Pike County, Georgia0.000Pike County, Illinois0.000

Pike County, Indiana	0.000
Pike County, Mississippi	0.000

- Pike County, Missouri 0.000
- Pike County, Ohio 0.000
- Pine County, Minnesota 0.000 Piscataquis County, Maine 0.000
- Pittsburg County, Oklahoma 0.000
- Pittsylvania County, Virginia 0.000

0.000

0.000

- Pleasants County, West Virginia 0.001
- Plumas County, California Plymouth County, Iowa 0.001
- 0.001 Plymouth County, Massachusetts
- Pocahontas County, West Virginia 0.000
- Poinsett County, Arkansas
- 0.000 Polk County, Arkansas 0.000 Polk County, Georgia
- Polk County, Minnesota 0.000
- 0.000 Polk County, Missouri
- 0.000 Polk County, North Carolina
- Polk County, Tennessee 0.000
- Polk County, Texas
- Polk County, Wisconsin 0.000 Pondera County, Montana 0.000
- Pope County, Minnesota 0.000 Portage County, Ohio 0.000

Portage County, Wisconsin	0.000
Porter County, Indiana	0.001
Posey County, Indiana	0.000
Pottawatomie County, Oklahoma	0.000
Pottawattamie County, Iowa	0.001
Potter County, Pennsylvania	0.000
Powell County, Kentucky	0.000
Power County, Idaho	0.001
Poweshiek County, Iowa	0.000
Powhatan County, Virginia	0.000
Preble County, Ohio	0.000
Prentiss County, Mississippi	0.000
Presidio County, Texas	0.000
Presque Isle County, Michigan	0.000
Preston County, West Virginia	0.000
Price County, Wisconsin	0.000
Providence County, Rhode Island	0.001
Pueblo County, Colorado	0.003
Pulaski County, Georgia	0.000
Pulaski County, Indiana	0.000
Pulaski County, Kentucky	0.000
Pushmataha County, Oklahoma	0.000
Putnam County, Florida	0.000
Putnam County, Indiana	0.000
Putnam County, New York	0.001

Putnam County, Ohio	0.000
Putnam County, West Virginia	0.001
Quitman County, Mississippi	0.000
Racine County, Wisconsin	0.002
Rains County, Texas	0.000
Raleigh County, West Virginia	0.000
Ralls County, Missouri	0.000
Randolph County, Alabama	0.000
Randolph County, Arkansas	0.000
Randolph County, Illinois	0.000
Randolph County, Missouri	0.000
Randolph County, North Carolina	0.001
Randolph County, West Virginia	0.000
Rapides Parish, Louisiana	0.001
Rappahannock County, Virginia	0.000
Ravalli County, Montana	0.000
Ray County, Missouri	0.000
Red River County, Texas	0.000
Red River Parish, Louisiana	0.000
Red Willow County, Nebraska	0.002

Redwood County, Minnesota0.000Refugio County, Texas0.001Reno County, Kansas0.001Rensselaer County, New York0.001Renville County, Minnesota0.000

Republic County, Kansas	0.000

0.001

0.000

0.000

Reynolds County, Missouri

- Rice County, Minnesota 0.001
- Richland County, Ohio Richland County, Wisconsin 0.000
- Richland Parish, Louisiana
- Richmond County, Georgia 0.001 Richmond County, North Carolina 0.000
- Rio Grande County, Colorado 0.000
- Ripley County, Indiana 0.000 Ritchie County, West Virginia 0.000
- Roane County, Tennessee 0.000
- Roane County, West Virginia 0.000
- Roanoke County, Virginia 0.002 Roberts County, South Dakota 0.000
- 0.000 Robertson County, Kentucky
- Robertson County, Texas 0.000 0.001
- Rock County, Wisconsin 0.001 Rock Island County, Illinois Rockcastle County, Kentucky 0.000
- Rockingham County, New Hampshire 0.001 Rockingham County, North Carolina 0.000 Roscommon County, Michigan 0.000 Ross County, Ohio 0.000
- Rowan County, Kentucky

0.000

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Runnels County, Texas	0.001
Rusk County, Wisconsin	0.000
Russell County, Kentucky	0.000

Rowan County, North Carolina

Russell County, Virginia

Sabine Parish, Louisiana

- Rutherford County, North Carolina 0.000
- Rutland County, Vermont 0.000
- Sabine County, Texas 0.000
- Sac County, Iowa 0.000
- Sagadahoc County, Maine 0.000
- Saginaw County, Michigan0.001Saguache County, Colorado0.000
- Saguache County, Colorado0.000Salem County, New Jersey0.000
- Saline County, Illinois 0.000
- Saline County, Kansas 0.001
- Saline County, Missouri0.000Saline County, Nebraska0.000
- Saluda County, South Carolina 0.000
- Sampson County, North Carolina 0.000
- San Augustine County, Texas
- San Juan County, New Mexico San Juan County, Washington
- San Miguel County, Colorado San Miguel County, New Mexico

San Patricio County, Texas	0.001
Sanborn County, South Dakota	0.000

Sanders County, Montana 0.000

0.000

0.000

0.000

0.000

Sandusky County, Ohio

- Sangamon County, Illinois 0.001
- Sanilac County, Michigan 0.000
- Saratoga County, New York 0.001
- Sauk County, Wisconsin0.000Saunders County, Nebraska0.000
- Sawyer County, Wisconsin0.000Schenectady County, New York0.001
- Schoharie County, New York 0.000
- Schoolcraft County, Michigan 0.000
- Schuyler County, New York0.000Schuylkill County, Pennsylvania0.000
- Scioto County, Ohio0.000Scotland County, Missouri0.000Scotland County, North Carolina0.000Scott County, Arkansas0.000
- Scott County, Indiana Scott County, Mississippi
- Scott County, Missouri0.000Scott County, Virginia0.000Scotts Bluff County, Nebraska0.001
- Screven County, Georgia

Searcy County, Arkansas 0.000

0.001

0.000

0.000

0.001

0.000

0.000

0.002

- Seminole County, Oklahoma 0.000
- Seneca County, New York 0.000
- Sevier County, Utah

Sebastian County, Arkansas

Seminole County, Georgia

Seneca County, Ohio

- Sharp County, Arkansas 0.000
- Shasta County, California 0.001
- Shawano County, Wisconsin 0.000
- Shawnee County, Kansas0.001Sheboygan County, Wisconsin0.001
- Shelby County, Indiana 0.000
- Shelby County, Iowa 0.000
- Shelby County, Ohio 0.001
- Shelby County, Tennessee0.001Shelby County, Texas0.000
- Shenandoah County, Virginia 0.000
- Sheridan County, North Dakota 0.000
- Shiawassee County, Michigan 0.000
- Sibley County, Minnesota
- Sierra County, New Mexico0.000Simpson County, Kentucky0.000
- Simpson County, Mississippi Sioux County, Iowa

Siskiyou County, California	0.000

0.000

0.001

0.000

0.000

0.001

Skagit County, Washington

Snyder County, Pennsylvania

- Smith County, Mississippi 0.000
- Smith County, Tennessee 0.000
- Smyth County, Virginia 0.000
- Socorro County, New Mexico 0.000
- Solano County, California 0.002
- Somerset County, Maine 0.000
- Somerset County, Maryland 0.000
- Somerset County, New Jersey Somerset County, Pennsylvania 0.000
- Southampton County, Virginia 0.000
- 0.000 Spalding County, Georgia
- Spencer County, Indiana
- 0.010 St. Charles Parish, Louisiana
- St. Clair County, Illinois 0.001
- 0.001 St. Clair County, Michigan 0.000
- St. Clair County, Missouri St. Francis County, Arkansas
- St. Francois County, Missouri 0.000
- St. Helena Parish, Louisiana 0.000
- St. James Parish, Louisiana 0.001 St. John the Baptist Parish, Louisiana 0.001
- St. Joseph County, Indiana

- St. Joseph County, Michigan 0.000
- St. Landry Parish, Louisiana 0.000

0.001

0.001

0.001

0.000

0.001

St. Lawrence County, New York

Stanislaus County, California

- St. Louis County, Minnesota 0.000
- St. Louis County, Missouri 0.002
- St. Martin Parish, Louisiana 0.000
- Stanly County, North Carolina 0.000
- Stanton County, Nebraska 0.001
- Stark County, Illinois 0.000
- Stark County, Ohio Ste. Genevieve County, Missouri 0.000
- Stearns County, Minnesota 0.002
- Steele County, Minnesota 0.000 Stephenson County, Illinois
- 0.000 Steuben County, Indiana
- Steuben County, New York 0.000
- 0.001 Stevens County, Minnesota
- 0.000 Stevens County, Washington
- Stewart County, Tennessee 0.000 Stoddard County, Missouri 0.000
- 0.000 Stokes County, North Carolina 0.000 Stone County, Arkansas
- Stone County, Missouri Strafford County, New Hampshire

Suffolk County, New York	0.001
Sullivan County, Indiana	0.000
Sullivan County, Missouri	0.000
Sullivan County, New Hampshire	0.000
Sullivan County, New York	0.000
Sullivan County, Pennsylvania	0.000
Sullivan County, Tennessee	0.000
Summers County, West Virginia	0.000
Summit County, Ohio	0.001
Sumter County, Alabama	0.000
Sumter County, Georgia	0.000
Sumter County, South Carolina	0.001
Surry County, North Carolina	0.000
Surry County, Virginia	0.000
Susquehanna County, Pennsylvania	0.000
Sussex County, New Jersey	0.001
Sussex County, Virginia	0.000
Sutter County, California	0.002
Swain County, North Carolina	0.000
Swift County, Minnesota	0.000
Swisher County, Texas	0.000
Switzerland County, Indiana	0.000
Talbot County, Georgia	0.000
Talbot County, Maryland	0.001
Talladega County, Alabama	0.000

Tallahatchie County, Mississippi	0.000
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0.000

0.000

- Tama County, Iowa0.000Taos County, New Mexico0.000
- Tate County, Mississippi0.000
- Taylor County, Georgia Taylor County, Kentucky

Tallapoosa County, Alabama

- Taylor County, West Virginia0.000
- Taylor County, Wisconsin0.000
- Tazewell County, Illinois0.001
- Tazewell County, Virginia0.000Tehama County, California0.001
- Telfair County, Georgia 0.000
- Terry County, Texas 0.001
- Teton County, Montana 0.000
- Texas County, Missouri0.000Thomas County, Georgia0.000
- Thomas County, Kansas 0.004
- Tift County, Georgia 0.001
- Tillamook County, Oregon 0.000
- Tioga County, New York 0.000
- Tioga County, Pennsylvania0.000Tippah County, Mississippi0.000
- Tipton County, Indiana0.000Tishomingo County, Mississippi0.000

Todd County, Minnesota	0.000
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Tolland County, Connecticut

Transylvania County, North Carolina

Tompkins County, New York 0.000

0.000

0.000

0.000

0.000

- Toombs County, Georgia 0.000
- Traill County, North Dakota 0.000 0.000
- Trempealeau County, Wisconsin 0.000
- Treutlen County, Georgia 0.000
- Trigg County, Kentucky 0.000
- Trimble County, Kentucky 0.000
- Trinity County, California 0.000 Trinity County, Texas
- Tripp County, South Dakota 0.000
- Trumbull County, Ohio 0.000
- 0.000 Tucker County, West Virginia
- 0.001 Tuolumne County, California
- Turner County, Georgia 0.000 Tuscarawas County, Ohio 0.000
- 0.000 Tuscola County, Michigan
- Twiggs County, Georgia 0.000
- Tyler County, Texas 0.000
- Tyler County, West Virginia 0.000
- Tyrrell County, North Carolina Ulster County, New York
- Umatilla County, Oregon 0.001

Unicoi County, Tennessee	0.000

0.000

0.000

0.001

Union County, Arkansas

Van Buren County, Iowa

Vermilion County, Illinois

- Union County, Florida 0.000
- Union County, Georgia 0.000
- Union County, Illinois Union County, Kentucky 0.000
- Union County, Mississippi 0.000
- Union County, Pennsylvania 0.000
- Union County, South Carolina 0.000
- Union County, Tennessee 0.000
- 0.000 Union Parish, Louisiana Upshur County, West Virginia 0.000
- Upson County, Georgia 0.000
- Uvalde County, Texas 0.000
- 0.000 Valley County, Idaho
- Van Buren County, Michigan 0.000
- Van Wert County, Ohio 0.000
- 0.000 Van Zandt County, Texas
- Vance County, North Carolina 0.000
- Vanderburgh County, Indiana 0.001
- Venango County, Pennsylvania 0.000
- Vermilion Parish, Louisiana 0.000 Vernon County, Missouri 0.000

Vernon County, Wisconsin	0.000
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0.000

0.000

0.000

0.000

Vigo County, Indiana

Vinton County, Ohio

Wabasha County, Minnesota

- Virginia Beach city, Virginia 0.121
- Volusia County, Florida 0.001
- Wabash County, Indiana0.000
- Wabaunsee County, Kansas 0.000
- Wahkiakum County, Washington 0.000
- Waldo County, Maine 0.000
- Walker County, Alabama0.000Walker County, Georgia0.000
- Wallowa County, Oregon 0.000
- Walsh County, North Dakota 0.000
- Walthall County, Mississippi 0.000
- Walworth County, Wisconsin0.001Wapello County, Iowa0.000
- Warren County, Georgia 0.000
- Warren County, Illinois 0.000
- Warren County, New Jersey 0.001
- Warren County, New York
- Warren County, North Carolina 0.000
- Warren County, Pennsylvania
- Warren County, Tennessee0.000Waseca County, Minnesota0.001

- Washburn County, Wisconsin 0.000 Washington County, Alabama 0.000
- Washington County, Georgia 0.000
- Washington County, Idaho 0.001
- Washington County, Illinois 0.001 0.000
- Washington County, Iowa 0.000
- Washington County, Kansas 0.000
- Washington County, Kentucky 0.000

0.001

0.000

0.001

0.000

- Washington County, Maine Washington County, Maryland
- Washington County, Missouri

Washington County, Indiana

- Washington County, Nebraska 0.001
- 0.000 Washington County, New York 0.000 Washington County, North Carolina
- 0.000 Washington County, Ohio Washington County, Oklahoma 0.001
- 0.000 Washington County, Pennsylvania
- 0.000 Washington County, Rhode Island Washington County, Vermont 0.000
- Washington County, Virginia 0.000 Washington County, Wisconsin 0.003 Washington Parish, Louisiana 0.000
- Washtenaw County, Michigan
- Watonwan County, Minnesota

Waulsasha Caunty Wissansin	0.019
waukesha County, wisconshi	0.018

0.000

0.000

0.001

0.000

0.000

0.001

Waupaca County, Wisconsin

Wayne County, Iowa

Wayne County, Ohio

Webster County, Iowa

- Waushara County, Wisconsin 0.000
- Wayne County, Georgia 0.000
- Wayne County, Indiana 0.000
- Wayne County, Kentucky 0.000
- Wayne County, Michigan 0.001
- Wayne County, Mississippi 0.000
- Wayne County, Missouri 0.000
- Wayne County, New York 0.000 0.000
- Wayne County, Pennsylvania 0.000
- Wayne County, Tennessee 0.000
- Wayne County, Utah 0.001
- Wayne County, West Virginia 0.000
- Weakley County, Tennessee
- 0.000 Webster County, Georgia
- Webster County, Mississippi 0.000
- 0.000 Webster County, Missouri
- Webster County, Nebraska 0.000
- Webster County, West Virginia Webster Parish, Louisiana
- Wells County, Indiana

Wells County, North Dakota	0.000
West Carroll Parish, Louisiana	0.000
West Feliciana Parish, Louisiana	0.000
Westchester County, New York	0.001
Westmoreland County, Pennsylvania	0.001
Westmoreland County, Virginia	0.000
Wetzel County, West Virginia	0.000
Wexford County, Michigan	0.000
Wharton County, Texas	0.001
Wheatland County, Montana	0.000
White County, Illinois	0.000
White County, Indiana	0.000
White County, Tennessee	0.000
Whiteside County, Illinois	0.000
Whitley County, Indiana	0.000
Whitley County, Kentucky	0.000
Wilcox County, Alabama	0.000
Wilcox County, Georgia	0.000
Wilkes County, Georgia	0.000
Wilkes County, North Carolina	0.000
Wilkinson County, Georgia	0.000
Wilkinson County, Mississippi	0.000
Will County, Illinois	0.002
Willacy County, Texas	0.000
Williams County, Ohio	0.000

Williamsburg County, South Carolina	0.000
Williamson County, Illinois	0.001
Wilson County, Kansas	0.000
Windham County, Connecticut	0.000
Windham County, Vermont	0.000
Windsor County, Vermont	0.000
Winn Parish, Louisiana	0.000
Winnebago County, Illinois	0.001
Winnebago County, Wisconsin	0.001
Winneshiek County, Iowa	0.000
Winona County, Minnesota	0.000
Winston County, Alabama	0.000
Winston County, Mississippi	0.000
Wirt County, West Virginia	0.000
Wise County, Virginia	0.000
Wolfe County, Kentucky	0.000
Wood County, Ohio	0.001
Wood County, Texas	0.000
Wood County, West Virginia	0.000
Wood County, Wisconsin	0.000
Woodbury County, Iowa	0.001
Woodford County, Illinois	0.001
Woodford County, Kentucky	0.001
Woodruff County, Arkansas	0.000
Woods County, Oklahoma	0.001

Woodward County, Oklahoma	0.001
Worcester County, Maryland	0.001
Worcester County, Massachusetts	0.001
Worth County, Georgia	0.000
Worth County, Iowa	0.000
Wright County, Missouri	0.000
Wyandotte County, Kansas	0.001
Wyoming County, New York	0.000
Wyoming County, Pennsylvania	0.000
Wythe County, Virginia	0.000
Yadkin County, North Carolina	0.000
Yalobusha County, Mississippi	0.000
Yancey County, North Carolina	0.000
Yates County, New York	0.000
Yavapai County, Arizona	0.001
Yell County, Arkansas	0.000
Yellow Medicine County, Minnesota	0.000
York County, Maine	0.000
York County, Pennsylvania	0.001
York County, Virginia	0.005
Yuba County, California	0.001
Yuma County, Colorado	0.001
Zavala County, Texas	0.000

Fig 9.11 Veg Farm Acreage: Full Parametric V weight list

Predictor	V Weight
One race Black or African American	0.130
Hispanic or Latino of any race	0.153
Median nonfamily income dollars	0.130
Male Ed Some College Or Associates	0.139
Rural	0.139
total votes x	0.153
republican vote percent x	0.157

Fig 9.12 Veg Farm Acreage: Condensed Parametric W weight list

County	W Weight
Caribou County, Idaho	0.126
Bay County, Michigan	0.098
Cloud County, Kansas	0.030
Florence County, South Carolina	0.015
Fond du Lac County, Wisconsin	0.013
Harford County, Maryland	0.011
Butler County, Nebraska	0.010
Butler County, Ohio	0.010
Benton County, Oregon	0.008
Effingham County, Illinois	0.008
Fayette County, Georgia	0.007
Cape May County, New Jersey	0.007
Dale County, Alabama	0.007
Dodge County, Nebraska	0.007

- Eastland County, Texas0.007Macon County, Alabama0.006
- Escambia County, Florida 0.006

0.006

0.005

Adams County, Illinois

Elkhart County, Indiana

Boone County, Illinois

- Allen County, Indiana 0.006
- Brown County, Texas 0.006
- Cerro Gordo County, Iowa 0.006
- Dawson County, Nebraska 0.006
- Kings County, California 0.005
- Anoka County, Minnesota 0.005
- Pueblo County, Colorado 0.005
- Jefferson Parish, Louisiana 0.005
- Macomb County, Michigan 0.005
- Racine County, Wisconsin 0.005
- Sioux County, Iowa0.005Adams County, Nebraska0.005
- Albany County, New York 0.005
- Allegheny County, Pennsylvania0.005Baltimore County, Maryland0.005
- Baltimore County, Maryland0.005Barnstable County, Massachusetts0.005Berks County, Pennsylvania0.005
- Butler County, Pennsylvania0.005Callahan County, Texas0.005
Camden County, New Jersey 0.005

0.005

0.005

0.005

0.004

0.004

- Charlotte County, Florida 0.005
- Chase County, Nebraska 0.005
- Clinton County, Michigan 0.005
- Colusa County, California

Carroll County, Maryland

Cochise County, Arizona

- Cowlitz County, Washington 0.005
- Dauphin County, Pennsylvania 0.005
- Dodge County, Minnesota 0.005
- Dubuque County, Iowa0.005Elmore County, Idaho0.005
- Fairfield County, Ohio 0.005
- Fergus County, Montana 0.005
- Gibson County, Indiana 0.005
- Gloucester County, Virginia0.005Grayson County, Texas0.005
- Virginia Beach city, Virginia 0.004
- Grant County, Kansas
- Waukesha County, Wisconsin0.004St. Charles Parish, Louisiana0.004
- Dakota County, Minnesota 0.004
- Washington County, Wisconsin0.004Cheyenne County, Nebraska0.004

Lee County, Georgia

Churchill County, Nevada	0.004

El Dorado County, California 0.004

0.004

0.004

East Baton Rouge Parish, Louisiana

- Greene County, Ohio 0.004
- Hamilton County, Nebraska 0.004
- Hanover County, Virginia0.004Livingston County, Michigan0.004
- McHenry County, Illinois 0.004
- Oakland County, Michigan 0.004
- Ottawa County, Michigan0.004Ozaukee County, Wisconsin0.004
- Red Willow County, Nebraska 0.004
- Roanoke County, Virginia 0.004
- Solano County, California 0.004
- St. Louis County, Missouri0.004Stearns County, Minnesota0.004
- Will County, Illinois 0.004
- Anderson County, Kentucky 0.004
- Angelina County, Texas 0.004
- Aransas County, Texas0.004Asotin County, Washington0.004
- Atlantic County, New Jersey 0.004
- Auglaize County, Ohio0.004Beaver County, Pennsylvania0.004
- Benton County, Minnesota

Bergen County, New Jersey	0.004
Black Hawk County, Iowa	0.004
Blaine County, Idaho	0.004
Blount County, Tennessee	0.004
Botetourt County, Virginia	0.004
Bowie County, Texas	0.004
Boyle County, Kentucky	0.004
Bristol County, Rhode Island	0.004
Brown County, Minnesota	0.004
Buchanan County, Missouri	0.004
Bucks County, Pennsylvania	0.004
Burlington County, New Jersey	0.004
Butler County, Kansas	0.004
Butte County, California	0.004
Caddo Parish, Louisiana	0.004
Calhoun County, Alabama	0.004
Campbell County, Kentucky	0.004
Carbon County, Utah	0.004
Cascade County, Montana	0.004
Cass County, Nebraska	0.004
Catawba County, North Carolina	0.004
Cecil County, Maryland	0.004
Christian County, Kentucky	0.004
Clallam County, Washington	0.004
Clark County, Ohio	0.004

Clatsop County, Oregon	0.004
Clay County, Kansas	0.004
Clay County, Texas	0.004
Clermont County, Ohio	0.004
Clinton County, Illinois	0.004
Codington County, South Dakota	0.004
Cole County, Missouri	0.004
Coles County, Illinois	0.004
Cook County, Illinois	0.004
Cowley County, Kansas	0.004
Custer County, Nebraska	0.004
DeKalb County, Illinois	0.004
DeWitt County, Texas	0.004
Dearborn County, Indiana	0.004
Defiance County, Ohio	0.004
Dodge County, Wisconsin	0.004
Dutchess County, New York	0.004
Emery County, Utah	0.004
Erie County, New York	0.004
Essex County, Massachusetts	0.004
Essex County, New Jersey	0.004
Etowah County, Alabama	0.004
Floyd County, Georgia	0.004
Floyd County, Indiana	0.004
Floyd County, Texas	0.004

Forrest County, Mississippi	0.004
Franklin County, Kansas	0.004

Franklin County, Kentucky Fremont County, Colorado 0.004

0.004

0.004

0.003

0.003

- 0.004 Fremont County, Idaho
- Gem County, Idaho 0.004 Genesee County, Michigan 0.004
- Gila County, Arizona 0.004
- Gloucester County, New Jersey 0.004

Glenn County, California

- 0.004 Gooding County, Idaho
- Grundy County, Missouri 0.004 0.003
- York County, Virginia 0.003 Thomas County, Kansas
- 0.003 Hockley County, Texas
- 0.003 Amador County, California
- Box Butte County, Nebraska 0.003 0.003
- Calvert County, Maryland 0.003 Carroll County, Georgia
- Cooke County, Texas 0.003 0.003 Eaton County, Michigan Freestone County, Texas 0.003 Garland County, Arkansas 0.003
- Goodhue County, Minnesota Grand Forks County, North Dakota

Grant County, New Mexico	0.003
Sutter County, California	0.002
Columbia County, Oregon	0.002
Cuyahoga County, Ohio	0.000

Fig 9.13 Veg Farm Acreage: Condensed Parametric V weight list

Predictor	V Weight
One race Black or African American	0.661
Hispanic or Latino of any race	0.109
Median nonfamily income dollars	0.008
Male Ed Some College Or Associates	0.053
Rural	0.027
total votes x	0.140
republican vote percent x	0.002

Fig 9.14 WIC Women: Full Non-parametric W weight list

County	W Weight
Acadia Parish, Louisiana	0.000
Accomack County, Virginia	0.000
Adair County, Iowa	0.000
Adair County, Kentucky	0.000
Adair County, Oklahoma	0.000
Adams County, Colorado	0.000

Adams County, Indiana	0.000
Adams County, Iowa	0.000
Adams County, Mississippi	0.000
Adams County, Nebraska	0.000
Adams County, North Dakota	0.000
Adams County, Ohio	0.000
Adams County, Pennsylvania	0.000
Adams County, Washington	0.011
Adams County, Wisconsin	0.000
Addison County, Vermont	0.000
Aitkin County, Minnesota	0.000
Alachua County, Florida	0.000
Alamance County, North Carolina	0.000
Alamosa County, Colorado	0.000
Albany County, New York	0.000
Albany County, Wyoming	0.000
Albemarle County, Virginia	0.000
Alcona County, Michigan	0.000
Alcorn County, Mississippi	0.000
Alexander County, North Carolina	0.000
Alexandria city, Virginia	0.000
Alfalfa County, Oklahoma	0.000
Alger County, Michigan	0.000
Allamakee County, Iowa	0.000
Allegan County, Michigan	0.000

Allegany County, Maryland	0.000
Allegany County, New York	0.000
Alleghany County, North Carolina	0.000
Alleghany County, Virginia	0.000
Allegheny County, Pennsylvania	0.000
Allen County, Indiana	0.000
Allen County, Kentucky	0.000
Allen County, Ohio	0.000
Allen Parish, Louisiana	0.000
Alpena County, Michigan	0.000
Amelia County, Virginia	0.000
Amherst County, Virginia	0.000
Amite County, Mississippi	0.000
Anderson County, Kentucky	0.000
Anderson County, Tennessee	0.001
Androscoggin County, Maine	0.000
Anne Arundel County, Maryland	0.000
Anoka County, Minnesota	0.000
Anson County, North Carolina	0.000
Antelope County, Nebraska	0.000
Antrim County, Michigan	0.000
Appanoose County, Iowa	0.000
Appling County, Georgia	0.000
Appomattox County, Virginia	0.000
Arapahoe County, Colorado	0.000

Archuleta County, Colorado	0.019

0.000

0.000

0.000

0.000

0.000

- Arkansas County, Arkansas 0.000
- Armstrong County, Pennsylvania 0.000
- Aroostook County, Maine
- Arthur County, Nebraska

Arenac County, Michigan

Arlington County, Virginia

Athens County, Ohio

- Ascension Parish, Louisiana 0.000
- Ashe County, North Carolina 0.000
- Ashland County, Ohio 0.000
- Ashland County, Wisconsin0.000Ashley County, Arkansas0.000
- Ashtabula County, Ohio 0.000
- Asotin County, Washington 0.000
- Assumption Parish, Louisiana 0.000
- Atkinson County, Georgia 0.000
- Atlantic County, New Jersey 0.000
- Atoka County, Oklahoma 0.000
- Attala County, Mississippi 0.000
- Audubon County, Iowa 0.000
- Auglaize County, Ohio0.000
- Augusta County, Virginia0.001Aurora County, South Dakota0.000
- Autauga County, Alabama

Avery County, North Carolina 0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

Avoyelles Parish, Louisiana

Baker County, Georgia

Ballard County, Kentucky

- Baca County, Colorado 0.000
- Bacon County, Georgia 0.000
- Baker County, Florida0.000
- Baldwin County, Alabama 0.000
- Baldwin County, Georgia 0.000
- Baltimore County, Maryland 0.000
- Baltimore city, Maryland 0.000
- Banks County, Georgia 0.000
- Banner County, Nebraska 0.000
- Baraga County, Michigan
- Barbour County, Alabama0.000Barbour County, West Virginia0.000
- Barnes County, North Dakota0.000Barnstable County, Massachusetts0.000
- Barren County, Kentucky Barron County, Wisconsin
- Barrow County, Georgia0.000Barry County, Michigan0.000Bartholomew County, Indiana0.000Bartow County, Georgia0.000
- Bath County, Kentucky

Bath County, Virginia	0.000
Baxter County, Arkansas	0.000
Bay County, Florida	0.000
Bay County, Michigan	0.000
Bayfield County, Wisconsin	0.000
Beadle County, South Dakota	0.000
Beaufort County, North Carolina	0.000
Beauregard Parish, Louisiana	0.000
Beaver County, Oklahoma	0.000
Beaver County, Pennsylvania	0.000
Beaver County, Utah	0.000
Beaverhead County, Montana	0.000
Becker County, Minnesota	0.000
Beckham County, Oklahoma	0.000
Bedford County, Pennsylvania	0.000
Bedford County, Tennessee	0.000
Bedford County, Virginia	0.000
Belknap County, New Hampshire	0.000
Bell County, Kentucky	0.000
Belmont County, Ohio	0.000
Beltrami County, Minnesota	0.000
Ben Hill County, Georgia	0.000
Bennett County, South Dakota	0.000
Bennington County, Vermont	0.000
Benson County, North Dakota	0.000

Bent County, Colorado 0.000

0.001

0.000

0.000

0.000

0.000

0.000

0.000

0.000

Benton County, Arkansas

Benton County, Mississippi

Berks County, Pennsylvania

Berrien County, Georgia

Bibb County, Georgia

- Benton County, Indiana 0.000
- Benton County, Iowa 0.000
- Benton County, Minnesota 0.000
- Benton County, Tennessee 0.000
- Benton County, Washington 0.000
- Benzie County, Michigan 0.000
- Bergen County, New Jersey 0.000
- Berkeley County, West Virginia 0.000
- Berkshire County, Massachusetts 0.000
- Berrien County, Michigan 0.000
- Bertie County, North Carolina 0.000
- Bibb County, Alabama 0.000
- Bienville Parish, Louisiana 0.000
- Big Horn County, Montana 0.000
- Big Horn County, Wyoming 0.008
- Big Stone County, Minnesota 0.000
- Billings County, North Dakota
- Black Hawk County, Iowa Blackford County, Indiana

Bladen County, North Carolina	0.000
Blaine County, Montana	0.000

Blaine County, Oklahoma 0.000

0.000

0.001

0.000

0.000

Blaine County, Nebraska

Blue Earth County, Minnesota

Boulder County, Colorado

- Blair County, Pennsylvania 0.000
- Bland County, Virginia 0.001
- Bleckley County, Georgia Bledsoe County, Tennessee 0.000
- Blount County, Alabama 0.001
- Blount County, Tennessee 0.000
- 0.000 Bolivar County, Mississippi
- Bon Homme County, South Dakota 0.000
- 0.000 Boone County, Arkansas
- 0.000 Boone County, Indiana
- 0.000 Boone County, Iowa Boone County, Kentucky 0.000
- 0.000 Boone County, Nebraska
- 0.000 Boone County, West Virginia 0.000
- Bossier Parish, Louisiana Botetourt County, Virginia 0.000
- 0.000 Bottineau County, North Dakota
- Bourbon County, Kentucky 0.000 0.000 Bowman County, North Dakota

Box Butte County, Nebraska 0.000

0.000

0.000

0.000

0.000

0.000

Box Elder County, Utah

Bracken County, Kentucky

Breathitt County, Kentucky

- Boyd County, Kentucky 0.000
- Boyd County, Nebraska 0.000
- Boyle County, Kentucky 0.000
- Bradford County, Florida 0.000
- Bradford County, Pennsylvania 0.000
- Bradley County, Arkansas 0.000
- Bradley County, Tennessee 0.000
- Branch County, Michigan 0.000
- Brantley County, Georgia 0.000
- Braxton County, West Virginia 0.000
- Breckinridge County, Kentucky 0.000
- Bremer County, Iowa 0.000
- Brevard County, Florida 0.000
- Bristol County, Massachusetts 0.000
- Bristol County, Rhode Island 0.000
- Bristol city, Virginia0.000Broadwater County, Montana0.000Bronx County, New York0.000Brooke County, West Virginia0.000
- Brookings County, South Dakota Brooks County, Georgia

Broome County, New York	0.00	)0

0.000

0.000

0.000

Broomfield County, Colorado

Brown County, Nebraska

Buchanan County, Virginia

- Broward County, Florida 0.000
- Brown County, Indiana 0.000
- Brown County, Minnesota 0.000
- Brown County, Ohio 0.000 0.000
- Brown County, South Dakota Brown County, Wisconsin 0.000
- Brule County, South Dakota 0.000
- Brunswick County, North Carolina Brunswick County, Virginia 0.000
- Bryan County, Georgia 0.000
- Bryan County, Oklahoma 0.000
- 0.000 Buchanan County, Iowa
- Buckingham County, Virginia 0.000
- Bucks County, Pennsylvania 0.000
- 0.000 Buena Vista County, Iowa
- Buena Vista city, Virginia 0.000
- Buffalo County, Nebraska 0.000
- Buffalo County, South Dakota 0.000
- Buffalo County, Wisconsin 0.000 Bullitt County, Kentucky 0.000
- 0.000 Bulloch County, Georgia

Bullock County, Alabama	0.000
Buncombe County, North Carolina	0.000
Burke County, Georgia	0.000
Burke County, North Carolina	0.000
Burke County, North Dakota	0.000
Burleigh County, North Dakota	0.000
Burlington County, New Jersey	0.000
Burnett County, Wisconsin	0.000
Burt County, Nebraska	0.000
Butler County, Alabama	0.000
Butler County, Iowa	0.000
Butler County, Kentucky	0.000
Butler County, Nebraska	0.000
Butler County, Ohio	0.000
Butler County, Pennsylvania	0.000
Butte County, South Dakota	0.000
Butts County, Georgia	0.000
Cabarrus County, North Carolina	0.000
Cabell County, West Virginia	0.000
Cache County, Utah	0.000
Caddo County, Oklahoma	0.000
Caddo Parish, Louisiana	0.000
Calcasieu Parish, Louisiana	0.000
Caldwell County, Kentucky	0.000
Caldwell County, North Carolina	0.000

Caldwell Parish, Louisiana	0.000
Caledonia County, Vermont	0.000
Calhoun County, Alabama	0.000
Calhoun County, Arkansas	0.000
Calhoun County, Florida	0.000
Calhoun County, Georgia	0.000
Calhoun County, Iowa	0.000
Calhoun County, Michigan	0.000
Calhoun County, Mississippi	0.000
Calhoun County, West Virginia	0.000
Calloway County, Kentucky	0.000
Calumet County, Wisconsin	0.000
Calvert County, Maryland	0.000
Cambria County, Pennsylvania	0.000
Camden County, Georgia	0.000
Camden County, New Jersey	0.000
Camden County, North Carolina	0.000
Cameron County, Pennsylvania	0.000
Cameron Parish, Louisiana	0.000
Campbell County, Kentucky	0.000
Campbell County, South Dakota	0.000
Campbell County, Tennessee	0.000
Campbell County, Virginia	0.000
Campbell County, Wyoming	0.000
Canadian County, Oklahoma	0.000

Candler County, Georgia	0.000
-------------------------	-------

0.000

0.000

0.000

Cannon County, Tennessee

Carroll County, Maryland

- Cape May County, New Jersey 0.000
- Carbon County, Montana 0.000
- Carbon County, Pennsylvania 0.000
- Carbon County, Utah 0.000 Carbon County, Wyoming 0.000
- Carlisle County, Kentucky 0.000
- Carlton County, Minnesota 0.000
- Caroline County, Maryland 0.000
- Caroline County, Virginia0.000Carroll County, Arkansas0.000
- Carroll County, Georgia 0.000
- Carroll County, Indiana 0.000
- Carroll County, Iowa 0.000
- Carroll County, Kentucky 0.000
- Carroll County, Mississippi 0.000
- Carroll County, New Hampshire 0.000
- Carroll County, Ohio0.000Carroll County, Tennessee0.000Carroll County, Virginia0.000Carson City, Nevada0.000
- Carter County, Kentucky Carter County, Montana

Carter County, Oklahoma	0.000
Carter County, Tennessee	0.000
Carteret County, North Carolina	0.000
Carver County, Minnesota	0.000
Cascade County, Montana	0.000
Casey County, Kentucky	0.000
Cass County, Indiana	0.000
Cass County, Iowa	0.000
Cass County, Michigan	0.000
Cass County, Minnesota	0.000
Cass County, Nebraska	0.000
Cass County, North Dakota	0.000
Caswell County, North Carolina	0.000
Catahoula Parish, Louisiana	0.000
Catawba County, North Carolina	0.000
Catoosa County, Georgia	0.000
Cattaraugus County, New York	0.000
Cavalier County, North Dakota	0.000
Cayuga County, New York	0.000
Cecil County, Maryland	0.000
Cedar County, Iowa	0.000
Cedar County, Nebraska	0.000
Centre County, Pennsylvania	0.000
Cerro Gordo County, Iowa	0.000
Chaffee County, Colorado	0.000

Chambers County, Alabama	0.000
Champaign County, Ohio	0.000
Charles City County, Virginia	0.000
Charles County, Maryland	0.000
Charles Mix County, South Dakota	0.000
Charlevoix County, Michigan	0.000
Charlotte County, Florida	0.000
Charlotte County, Virginia	0.000
Charlottesville city, Virginia	0.000
Charlton County, Georgia	0.000
Chase County, Nebraska	0.000
Chatham County, Georgia	0.000
Chatham County, North Carolina	0.000
Chattahoochee County, Georgia	0.004
Chattooga County, Georgia	0.000
Chautauqua County, New York	0.000
Cheatham County, Tennessee	0.000
Cheboygan County, Michigan	0.000
Chelan County, Washington	0.001
Chemung County, New York	0.000
Chenango County, New York	0.000
Cherokee County, Alabama	0.000
Cherokee County, Georgia	0.000
Cherokee County, Iowa	0.000
Cherokee County, North Carolina	0.000

Cherokee County, Oklahoma	0.000
Cherry County, Nebraska	0.000
Chesapeake city, Virginia	0.000
Cheshire County, New Hampshire	0.000
Chester County, Pennsylvania	0.000
Chester County, Tennessee	0.000
Chesterfield County, Virginia	0.000
Cheyenne County, Colorado	0.018
Cheyenne County, Nebraska	0.000
Chickasaw County, Iowa	0.000
Chickasaw County, Mississippi	0.000
Chicot County, Arkansas	0.000
Chilton County, Alabama	0.000
Chippewa County, Michigan	0.000
Chippewa County, Minnesota	0.000
Chippewa County, Wisconsin	0.000
Chisago County, Minnesota	0.000
Chittenden County, Vermont	0.000
Choctaw County, Alabama	0.000
Choctaw County, Mississippi	0.000
Choctaw County, Oklahoma	0.000
Chouteau County, Montana	0.000
Chowan County, North Carolina	0.000
Christian County, Kentucky	0.000
Churchill County, Nevada	0.000

Cimarron County, Oklahoma 0.000

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- Claiborne County, Mississippi 0.000
- Claiborne County, Tennessee 0.000
- Claiborne Parish, Louisiana Clallam County, Washington 0.000
- Clare County, Michigan

Citrus County, Florida

Clark County, Kentucky

Clark County, Wisconsin

Clay County, Arkansas

- Clarion County, Pennsylvania 0.000
- Clark County, Arkansas 0.000
- Clark County, Indiana 0.000
- Clark County, Nevada 0.026
- Clark County, Ohio 0.000
- Clark County, South Dakota 0.000
- 0.000 Clark County, Washington
- Clarke County, Alabama 0.000
- 0.000 Clarke County, Georgia
- 0.000 Clarke County, Iowa
- Clarke County, Mississippi 0.000
- 0.000 Clarke County, Virginia
- Clay County, Alabama 0.000
- Clay County, Florida 0.000
- Clay County, Georgia

Clay County, Indiana	0.000
Clay County, Iowa	0.000
Clay County, Kentucky	0.000
Clay County, Minnesota	0.000
Clay County, Mississippi	0.000
Clay County, Nebraska	0.000
Clay County, North Carolina	0.000
Clay County, South Dakota	0.000
Clay County, Tennessee	0.000
Clay County, West Virginia	0.000
Clayton County, Georgia	0.000
Clayton County, Iowa	0.000
Clear Creek County, Colorado	0.000
Clearfield County, Pennsylvania	0.000
Clearwater County, Minnesota	0.000
Cleburne County, Alabama	0.000
Cleburne County, Arkansas	0.000
Clermont County, Ohio	0.000
Cleveland County, Arkansas	0.000
Cleveland County, North Carolina	0.000
Cleveland County, Oklahoma	0.000
Clinch County, Georgia	0.000
Clinton County, Indiana	0.000
Clinton County, Iowa	0.000
Clinton County, Kentucky	0.000

Clinton County, Michigan	0.0	)00

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- Clinton County, Ohio0.000Clinton County, Pennsylvania0.000
- Coahoma County, Mississippi 0.000
- Coal County, Oklahoma Cobb County, Georgia

Coffee County, Georgia

Colonial Heights city, Virginia

Clinton County, New York

- Cocke County, Tennessee 0.000
- Codington County, South Dakota 0.000
- Coffee County, Alabama 0.000
- Coffee County, Tennessee 0.000
- Colbert County, Alabama 0.000
- Colfax County, Nebraska 0.003
- Collier County, Florida 0.000
- Colquitt County, Georgia 0.000
- Columbia County, Arkansas 0.000
- Columbia County, Florida 0.000
- Columbia County, Georgia 0.000
- Columbia County, New York 0.000
- Columbia County, Pennsylvania 0.000
- Columbia County, Washington
- Columbia County, Wisconsin Columbiana County, Ohio

Columbus County, North Carolina	0.000
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Comanche County, Oklahoma

Converse County, Wyoming

Coosa County, Alabama

- Concordia Parish, Louisiana 0.000
- Conecuh County, Alabama 0.000
- Conejos County, Colorado 0.000 0.000
- Conway County, Arkansas 0.000
- Cook County, Georgia 0.000
- 0.000 Cook County, Minnesota
- Coos County, New Hampshire 0.000 0.000
- 0.000 Copiah County, Mississippi
- Corson County, South Dakota 0.000
- Cortland County, New York 0.000 0.000 Coshocton County, Ohio
- 0.000 Costilla County, Colorado
- Cotton County, Oklahoma 0.000 0.000 Cottonwood County, Minnesota
- Covington County, Alabama
- Covington County, Mississippi 0.000 0.000 Covington city, Virginia Coweta County, Georgia 0.000
- Cowlitz County, Washington Craig County, Oklahoma
- Craig County, Virginia

Craighead County, Arkansas 0.000

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Craven County, North Carolina

- Crawford County, Arkansas 0.000
- Crawford County, Georgia 0.000
- Crawford County, Indiana 0.000
- Crawford County, Iowa Crawford County, Michigan 0.000
- Crawford County, Ohio 0.000
- Crawford County, Pennsylvania Crawford County, Wisconsin 0.000
- Creek County, Oklahoma 0.000
- Crenshaw County, Alabama 0.000
- Crisp County, Georgia 0.000
- 0.000 Crittenden County, Arkansas 0.000 Crittenden County, Kentucky
- 0.000 Crockett County, Tennessee
- Crook County, Wyoming 0.000
- 0.000 Cross County, Arkansas
- 0.000 Crow Wing County, Minnesota Crowley County, Colorado 0.003
- Cullman County, Alabama 0.000 Culpeper County, Virginia 0.000 Cumberland County, Kentucky 0.000
- Cumberland County, Maine Cumberland County, New Jersey

Cumberland County, North Carolina	0.000
Cumberland County, Pennsylvania	0.000
Cumberland County, Tennessee	0.000
Cumberland County, Virginia	0.000
Cuming County, Nebraska	0.000
Currituck County, North Carolina	0.000
Custer County, Colorado	0.000
Custer County, Montana	0.000
Custer County, Nebraska	0.000
Custer County, Oklahoma	0.000
Custer County, South Dakota	0.000
Cuyahoga County, Ohio	0.000
Dade County, Georgia	0.000
Daggett County, Utah	0.003
Dakota County, Minnesota	0.000
Dakota County, Nebraska	0.000
Dale County, Alabama	0.000
Dallas County, Alabama	0.000
Dallas County, Arkansas	0.000
Dallas County, Iowa	0.000
Dane County, Wisconsin	0.000
Daniels County, Montana	0.000
Danville city, Virginia	0.000
Dare County, North Carolina	0.000
Darke County, Ohio	0.000

Dauphin Count	y, Pennsylvania	0.000

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Davidson County, North Carolina

Dawson County, Georgia

- Davidson County, Tennessee 0.000
- Davie County, North Carolina 0.000
- Daviess County, Indiana Daviess County, Kentucky 0.000
- Davis County, Iowa 0.000
- Davis County, Utah 0.000
- Davison County, South Dakota 0.000
- Dawes County, Nebraska 0.000
- 0.000 Dawson County, Montana
- Dawson County, Nebraska 0.000
- 0.000 Day County, South Dakota
- 0.000 De Soto Parish, Louisiana
- DeKalb County, Alabama DeKalb County, Georgia 0.000
- 0.000 DeKalb County, Indiana
- 0.000 DeKalb County, Tennessee
- DeSoto County, Florida 0.000
- DeSoto County, Mississippi 0.000
- 0.000 Dearborn County, Indiana
- 0.000 Decatur County, Georgia Decatur County, Indiana 0.000
- Decatur County, Iowa

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- Defiance County, Ohio 0.000
- Delaware County, Indiana 0.000
- Delaware County, Iowa Delaware County, New York 0.000
- Delaware County, Ohio

Desha County, Arkansas

Deer Lodge County, Montana

- Delaware County, Oklahoma 0.000
- Delaware County, Pennsylvania 0.000
- Delta County, Colorado 0.000
- Delta County, Michigan 0.000
- 0.000 Denver County, Colorado
- Des Moines County, Iowa 0.000
- 0.008 Deuel County, Nebraska
- 0.000 Deuel County, South Dakota
- Dewey County, Oklahoma 0.000
- 0.000 Dewey County, South Dakota 0.000
- Dickenson County, Virginia Dickey County, North Dakota 0.000 Dickinson County, Iowa 0.000 0.000 Dickinson County, Michigan Dickson County, Tennessee 0.000
- Dinwiddie County, Virginia District of Columbia, District of Columbia

Divide County, North Dakota	0.000

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Dixie County, Florida

Dixon County, Nebraska

Dodge County, Wisconsin

Douglas County, Colorado

Dubuque County, Iowa

- Doddridge County, West Virginia 0.011
- Dodge County, Georgia 0.000
- Dodge County, Minnesota 0.000
- Dodge County, Nebraska 0.000
- Dolores County, Colorado 0.000
- Dooly County, Georgia 0.000
- Door County, Wisconsin 0.000
- Dorchester County, Maryland 0.000
- Dougherty County, Georgia 0.000
- Douglas County, Georgia 0.000
- Douglas County, Minnesota 0.000
- Douglas County, Nebraska 0.000
- Douglas County, Nevada0.000Douglas County, South Dakota0.000
- Douglas County, Washington 0.000
- Douglas County, Wisconsin 0.000
- Drew County, Arkansas 0.000
- Drew County, Arkansas 0.000 Dubois County, Indiana 0.000
- Duchesne County, Utah 0.000

Dukes County, Massachusetts	0.000
Dundy County, Nebraska	0.005
Dunn County, North Dakota	0.000
Dunn County, Wisconsin	0.000
Duplin County, North Carolina	0.000
Durham County, North Carolina	0.000
Dutchess County, New York	0.000
Duval County, Florida	0.000
Dyer County, Tennessee	0.000
Eagle County, Colorado	0.000
Early County, Georgia	0.000
East Baton Rouge Parish, Louisiana	0.000
East Carroll Parish, Louisiana	0.000
East Feliciana Parish, Louisiana	0.005
Eaton County, Michigan	0.000
Eau Claire County, Wisconsin	0.000
Echols County, Georgia	0.000
Eddy County, North Dakota	0.000
Edgecombe County, North Carolina	0.000
Edmonson County, Kentucky	0.000
Edmunds County, South Dakota	0.000
Effingham County, Georgia	0.000
El Paso County, Colorado	0.000
Elbert County, Colorado	0.000
Elbert County, Georgia	0.000

Elk County, Pennsylvania 0.000

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Elkhart County, Indiana

Elmore County, Alabama

Erie County, Ohio

- Elko County, Nevada 0.002
- Elliott County, Kentucky 0.000
- Ellis County, Oklahoma 0.000
- Emanuel County, Georgia 0.000
- Emery County, Utah 0.000
- Emmet County, Iowa 0.000
- Emmet County, Michigan0.000Emmons County, North Dakota0.000
- Emporia city, Virginia 0.000
- Erie County, New York0.000
- Erie County, Pennsylvania 0.000
- Escambia County, Alabama 0.000
- Escambia County, Florida 0.000
- Esmeralda County, Nevada0.000Essex County, Massachusetts0.000
- Essex County, New Jersey 0.000
- Essex County, New York 0.000
- Essex County, Vermont 0.000
- Essex County, Virginia 0.000
- Estill County, Kentucky 0.000 Etowah County, Alabama 0.000

Eureka County, Nevada	0.000
Evangeline Parish, Louisiana	0.000
Evans County, Georgia	0.000
Fairfax County, Virginia	0.000
Fairfax city, Virginia	0.000
Fairfield County, Connecticut	0.000
Fairfield County, Ohio	0.000
Fall River County, South Dakota	0.000
Fallon County, Montana	0.000
Falls Church city, Virginia	0.000
Fannin County, Georgia	0.000
Faribault County, Minnesota	0.000
Faulk County, South Dakota	0.000
Faulkner County, Arkansas	0.000
Fauquier County, Virginia	0.000
Fayette County, Alabama	0.000
Fayette County, Georgia	0.000
Fayette County, Indiana	0.000
Fayette County, Iowa	0.000
Fayette County, Kentucky	0.000
Fayette County, Ohio	0.000
Fayette County, Pennsylvania	0.000
Fayette County, Tennessee	0.000
Fayette County, West Virginia	0.000
Fentress County, Tennessee	0.000

Fergus County, Montana 0.000

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Ferry County, Washington

Flagler County, Florida

Floyd County, Iowa

Forest County, Pennsylvania

- Fillmore County, Minnesota 0.000
- Fillmore County, Nebraska 0.000
- Flathead County, Montana 0.000
- Fleming County, Kentucky 0.000
- Florence County, Wisconsin 0.000
- Floyd County, Georgia 0.000
- Floyd County, Indiana 0.000
- Floyd County, Kentucky 0.000
- Floyd County, Virginia 0.000
- Fluvanna County, Virginia 0.000
- Fond du Lac County, Wisconsin0.000
- Forest County, Wisconsin 0.000
- Forrest County, Mississippi 0.000
- Forsyth County, Georgia 0.000
- Forsyth County, North Carolina 0.000
- Foster County, North Dakota Fountain County, Indiana
- Franklin County, Alabama Franklin County, Arkansas
- Franklin County, Florida

Franklin County, Georgia	0.000
Franklin County, Indiana	0.000
Franklin County, Iowa	0.000
Franklin County, Kentucky	0.000
Franklin County, Maine	0.000
Franklin County, Massachusetts	0.000
Franklin County, Mississippi	0.000
Franklin County, Nebraska	0.000
Franklin County, New York	0.000
Franklin County, North Carolina	0.000
Franklin County, Ohio	0.000
Franklin County, Pennsylvania	0.000
Franklin County, Tennessee	0.000
Franklin County, Vermont	0.000
Franklin County, Virginia	0.000
Franklin County, Washington	0.000
Franklin Parish, Louisiana	0.000
Franklin city, Virginia	0.000
Frederick County, Maryland	0.000
Frederick County, Virginia	0.000
Fredericksburg city, Virginia	0.000
Freeborn County, Minnesota	0.000
Fremont County, Colorado	0.006
Fremont County, Iowa	0.000
Fremont County, Wyoming	0.000

Frontier County, Nebraska 0.000

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Fulton County, Arkansas

- Fulton County, Georgia 0.000
- Fulton County, Indiana 0.000
- Fulton County, Kentucky Fulton County, New York 0.000
- Fulton County, Ohio
- Fulton County, Pennsylvania 0.000
- Furnas County, Nebraska 0.000
- Gadsden County, Florida 0.000
- 0.000 Gage County, Nebraska
- Galax city, Virginia 0.018 0.000
- Gallatin County, Kentucky 0.000 Gallatin County, Montana
- 0.000 Gallia County, Ohio
- 0.000 Garden County, Nebraska
- Garfield County, Colorado 0.004
- 0.000 Garfield County, Nebraska
- Garfield County, Oklahoma 0.001
- Garfield County, Utah
- Garfield County, Washington 0.000
- Garland County, Arkansas 0.000
- Garrard County, Kentucky
- Garrett County, Maryland

Garfield County, Montana
Garvin County, Oklahoma	0.000
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Gaston County, North Carolina

Genesee County, New York

- Gates County, North Carolina 0.000
- Geauga County, Ohio 0.000
- Genesee County, Michigan 0.000
- Geneva County, Alabama 0.000
- George County, Mississippi 0.000
- 0.000 Gibson County, Indiana
- Gibson County, Tennessee 0.000
- Gilchrist County, Florida 0.000 Giles County, Tennessee
- Giles County, Virginia 0.000
- Gilmer County, Georgia 0.000
- 0.000 Gilmer County, West Virginia
- 0.000 Gilpin County, Colorado Glacier County, Montana 0.000
- 0.000 Glades County, Florida
- 0.000 Gladwin County, Michigan
- Glascock County, Georgia 0.000 0.000 Gloucester County, New Jersey
- Gloucester County, Virginia 0.000 Glynn County, Georgia 0.000
- Gogebic County, Michigan Golden Valley County, Montana

Golden Valley County, North Dakota

Goochland County, Virginia	0.000
Goodhue County, Minnesota	0.000
Gordon County, Georgia	0.000
Goshen County, Wyoming	0.000
Gosper County, Nebraska	0.000
Grady County, Georgia	0.000
Grady County, Oklahoma	0.000
Grafton County, New Hampshire	0.000
Graham County, North Carolina	0.000
Grainger County, Tennessee	0.000
Grand County, Colorado	0.000
Grand County, Utah	0.000
Grand Forks County, North Dakota	0.000
Grand Isle County, Vermont	0.000
Grand Traverse County, Michigan	0.000
Granite County, Montana	0.000
Grant County, Arkansas	0.000
Grant County, Indiana	0.008
Grant County, Kentucky	0.000
Grant County, Minnesota	0.000
Grant County, Nebraska	0.000
Grant County, North Dakota	0.000
Grant County, Oklahoma	0.000
Grant County, South Dakota	0.000

Grant County, Washington	0.000
Grant County, West Virginia	0.000
Grant County, Wisconsin	0.000
Grant Parish, Louisiana	0.000
Granville County, North Carolina	0.000
Gratiot County, Michigan	0.000
Graves County, Kentucky	0.000
Grays Harbor County, Washington	0.000
Grayson County, Kentucky	0.000
Grayson County, Virginia	0.000
Greeley County, Nebraska	0.000
Green County, Kentucky	0.000
Green County, Wisconsin	0.000
Green Lake County, Wisconsin	0.000
Greenbrier County, West Virginia	0.000
Greene County, Alabama	0.000
Greene County, Arkansas	0.000
Greene County, Georgia	0.000
Greene County, Indiana	0.000
Greene County, Iowa	0.000
Greene County, Mississippi	0.000
Greene County, New York	0.000
Greene County, North Carolina	0.000
Greene County, Ohio	0.000
Greene County, Pennsylvania	0.000

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Greene County, Virginia	0.000
Greensville County, Virginia	0.000
Greenup County, Kentucky	0.000

Greene County, Tennessee

Greer County, Oklahoma

- Gregory County, South Dakota 0.000
- Grenada County, Mississippi 0.000
- Griggs County, North Dakota 0.000
- Grundy County, Iowa 0.000 0.000 Grundy County, Tennessee 0.000 Guernsey County, Ohio
- 0.000 Guilford County, North Carolina Gulf County, Florida 0.000
- Gunnison County, Colorado 0.000 0.000 Guthrie County, Iowa
- 0.000 Gwinnett County, Georgia Haakon County, South Dakota 0.000 0.000 Habersham County, Georgia
- Hale County, Alabama 0.000 Halifax County, North Carolina 0.000 0.000 Halifax County, Virginia Hall County, Georgia 0.051
- Hall County, Nebraska Hamblen County, Tennessee 0.000 Hamilton County, Florida 0.000

Hamilton County, Indiana	0.000
Hamilton County, Iowa	0.000

Hamilton County, Nebraska

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Hamilton County, New York 0.000

Hamilton County, Ohio

Hampton city, Virginia

Hancock County, Maine

Hanover County, Virginia

- Hamilton County, Tennessee 0.000
- Hamlin County, South Dakota 0.000
- Hampden County, Massachusetts 0.000
- Hampshire County, Massachusetts 0.000
- Hampshire County, West Virginia 0.000
- Hancock County, Georgia 0.000
- Hancock County, Indiana 0.000
- 0.000 Hancock County, Iowa
- 0.000 Hancock County, Kentucky
- Hancock County, Mississippi 0.000
- 0.000 Hancock County, Ohio
- 0.000 Hancock County, Tennessee
- Hancock County, West Virginia 0.000
- Hand County, South Dakota
- Hanson County, South Dakota Haralson County, Georgia
- Hardee County, Florida

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Hardin County, Iowa

Harding County, South Dakota

- Hardin County, Kentucky 0.000
- Hardin County, Ohio 0.000
- Hardin County, Tennessee 0.000 0.000
- Hardy County, West Virginia 0.000
- Harford County, Maryland 0.000
- Harlan County, Kentucky 0.000
- Harlan County, Nebraska 0.000
- Harmon County, Oklahoma Harnett County, North Carolina 0.000
- Harper County, Oklahoma 0.036
- Harris County, Georgia 0.000
- 0.000 Harrison County, Indiana
- 0.000 Harrison County, Iowa
- Harrison County, Kentucky 0.000
- 0.000 Harrison County, Mississippi
- Harrison County, Ohio Harrison County, West Virginia
- Harrisonburg city, Virginia Hart County, Georgia
- Hart County, Kentucky Hartford County, Connecticut
- Haskell County, Oklahoma

Hawkins County, Tennessee	0.000
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Hayes County, Nebraska

Hendry County, Florida

Haywood County, North Carolina 0.000

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- Haywood County, Tennessee 0.000
- Heard County, Georgia Hempstead County, Arkansas 0.000
- Henderson County, Kentucky 0.000
- Henderson County, North Carolina 0.001
- 0.000 Henderson County, Tennessee
- Hendricks County, Indiana 0.000
- 0.000 Hennepin County, Minnesota
- Henrico County, Virginia 0.000
- 0.000 Henry County, Alabama
- 0.000 Henry County, Georgia
- 0.000 Henry County, Indiana Henry County, Iowa 0.000
- 0.000 Henry County, Kentucky
- Henry County, Ohio 0.000
- Henry County, Tennessee 0.000
- Henry County, Virginia
- Herkimer County, New York 0.000
- Hernando County, Florida 0.000 Hertford County, North Carolina 0.000
- Hettinger County, North Dakota

Hickman County, Tennessee	0.000
Highland County, Ohio	0.000
Highland County, Virginia	0.000
Highlands County, Florida	0.000
Hill County, Montana	0.000
Hillsborough County, Florida	0.000
Hillsborough County, New Hampshire	0.000
Hillsdale County, Michigan	0.000

Hickman County, Kentucky

- Hinds County, Mississippi0.000Hinsdale County, Colorado0.000
- Hitchcock County, Nebraska 0.000
- Hocking County, Ohio0.000Hoke County, North Carolina0.000
- Holmes County, Florida 0.000
- Holmes County, Mississippi 0.000
- Holmes County, Ohio0.000Holt County, Nebraska0.000
- Hooker County, Nebraska 0.000
- Hopewell city, Virginia 0.000
- Hopkins County, Kentucky 0.000
- Hot Spring County, Arkansas0.000Hot Springs County, Wyoming0.000
- Houghton County, Michigan0.000Houston County, Alabama0.000

Houston County, Georgia	0.000

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Houston County, Minnesota

Hughes County, Oklahoma

- Houston County, Tennessee Howard County, Arkansas 0.000
- Howard County, Indiana 0.000
- Howard County, Iowa 0.000
- Howard County, Maryland 0.000
- Howard County, Nebraska 0.000
- Hubbard County, Minnesota 0.000
- Hudson County, New Jersey
- Huerfano County, Colorado 0.000
- Hughes County, South Dakota 0.000
- 0.000 Humboldt County, Iowa 0.000 Humboldt County, Nevada
- 0.000 Humphreys County, Mississippi Humphreys County, Tennessee 0.000
- Hunterdon County, New Jersey
- Huntingdon County, Pennsylvania Huntington County, Indiana
- Huron County, Michigan Huron County, Ohio
- Hutchinson County, South Dakota Hyde County, North Carolina Hyde County, South Dakota

Iberia Parish, Louisiana	0.000
Iberville Parish, Louisiana	0.000
Ida County, Iowa	0.000
Independence County, Arkansas	0.000
Indian River County, Florida	0.000
Indiana County, Pennsylvania	0.000
Ingham County, Michigan	0.000
Ionia County, Michigan	0.000
Iosco County, Michigan	0.000
Iowa County, Iowa	0.000
Iowa County, Wisconsin	0.000
Iredell County, North Carolina	0.000
Iron County, Michigan	0.000
Iron County, Utah	0.000
Iron County, Wisconsin	0.000
Irwin County, Georgia	0.000
Isabella County, Michigan	0.000
Isanti County, Minnesota	0.000
Island County, Washington	0.009
Isle of Wight County, Virginia	0.000
Issaquena County, Mississippi	0.000
Itasca County, Minnesota	0.000
Itawamba County, Mississippi	0.000
Izard County, Arkansas	0.007
Jackson County, Alabama	0.000

Jackson County, Arkansas	0.000

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Jackson County, Colorado

Jackson County, Florida

Jackson County, Ohio

Jackson Parish, Louisiana

- Jackson County, Georgia 0.000
- Jackson County, Indiana 0.000
- Jackson County, Iowa 0.000
- Jackson County, Kentucky 0.000
- Jackson County, Michigan 0.000
- Jackson County, Minnesota 0.000
- Jackson County, Mississippi 0.000
- Jackson County, North Carolina 0.000
- Jackson County, Oklahoma 0.000
- Jackson County, South Dakota 0.000
- Jackson County, Tennessee 0.000
- Jackson County, West Virginia 0.000
- Jackson County, Wisconsin 0.000
- James City County, Virginia 0.000
- Jasper County, Georgia 0.000
- Jasper County, Indiana 0.000
- Jasper County, Iowa0.000Jasper County, Mississippi0.000
- Jay County, Indiana0.000Jeff Davis County, Georgia0.000

Jefferson County, Alabama 0.000

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Jefferson County, Arkansas

Jefferson County, Indiana

- Jefferson County, Colorado 0.000
- Jefferson County, Florida 0.000
- Jefferson County, Georgia 0.000
- Jefferson County, Iowa 0.000
- Jefferson County, Kentucky 0.000
- Jefferson County, Mississippi 0.000
- Jefferson County, Montana 0.000
- Jefferson County, Nebraska0.000Jefferson County, New York0.000
- Jefferson County, Ohio 0.000
- Jefferson County, Oklahoma 0.000
- Jefferson County, Pennsylvania0.000Jefferson County, Tennessee0.000
- Jefferson County, Tennessee0.000Jefferson County, Washington0.000Jefferson County, West Virginia0.000
- Jefferson County, Wisconsin Jefferson Davis County, Mississippi Jefferson Davis Parish, Louisiana
- Jefferson Parish, Louisiana Jenkins County, Georgia Jennings County, Indiana
- Jerauld County, South Dakota

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Jessamine County, Kentucky	0.000

Johnson County, Arkansas

- Johnson County, Georgia 0.000
- Johnson County, Indiana 0.000
- Johnson County, Iowa Johnson County, Kentucky 0.000
- Johnson County, Nebraska 0.000
- Johnson County, Tennessee 0.000
- Johnson County, Wyoming 0.000
- Johnston County, North Carolina 0.000
- Johnston County, Oklahoma Jones County, Georgia 0.000
- Jones County, Iowa 0.000
- 0.000 Jones County, Mississippi
- 0.000 Jones County, North Carolina
- 0.000 Jones County, South Dakota Juab County, Utah 0.000
- 0.000 Judith Basin County, Montana
- Juneau County, Wisconsin
- Juniata County, Pennsylvania Kalamazoo County, Michigan
- Kalkaska County, Michigan Kanabec County, Minnesota
- Kanawha County, West Virginia
- Kandiyohi County, Minnesota

Kane County, Utah 0.000

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Kay County, Oklahoma

Keith County, Nebraska

- Kearney County, Nebraska 0.000
- Kemper County, Mississippi 0.000
- Kennebec County, Maine 0.000
- Kenosha County, Wisconsin 0.000
- Kent County, Delaware 0.000
- Kent County, Maryland 0.000
- Kent County, Michigan 0.000
- Kent County, Rhode Island Kenton County, Kentucky 0.000
- Keokuk County, Iowa 0.000
- 0.000 Kewaunee County, Wisconsin
- 0.000 Keweenaw County, Michigan 0.000 Keya Paha County, Nebraska
- Kidder County, North Dakota 0.000
- 0.000 Kimball County, Nebraska
- 0.000 King County, Washington King George County, Virginia 0.000
- King William County, Virginia 0.000 King and Queen County, Virginia 0.000 Kingfisher County, Oklahoma 0.000 Kings County, New York 0.000
- Kingsbury County, South Dakota

Kiowa County, Colorado	0.000
Kiowa County, Oklahoma	0.000
Kit Carson County, Colorado	0.000
Kitsap County, Washington	0.000
Kittitas County, Washington	0.000
Kittson County, Minnesota	0.000
Klickitat County, Washington	0.000
Knott County, Kentucky	0.000
Knox County, Indiana	0.000
Knox County, Kentucky	0.000
Knox County, Maine	0.000
Knox County, Nebraska	0.000
Knox County, Ohio	0.000
Knox County, Tennessee	0.000
Koochiching County, Minnesota	0.000
Kosciusko County, Indiana	0.000
Kossuth County, Iowa	0.000
La Crosse County, Wisconsin	0.000
La Plata County, Colorado	0.000
LaGrange County, Indiana	0.000
LaMoure County, North Dakota	0.000
LaPorte County, Indiana	0.000
LaSalle Parish, Louisiana	0.000
Lac qui Parle County, Minnesota	0.000
Lackawanna County, Pennsylvania	0.000

- Lafayette County, Arkansas 0.000
- Lafayette County, Mississippi 0.000

0.000

Lafayette County, Florida

- Lafayette County, Wisconsin 0.000
- Lafayette Parish, Louisiana 0.000
- Lafourche Parish, Louisiana 0.000
- Lake County, Colorado Lake County, Florida 0.000
- Lake County, Indiana 0.000
- Lake County, Michigan 0.000 0.000 Lake County, Minnesota
- 0.000 Lake County, Montana
- Lake County, Ohio 0.000 0.000 Lake County, South Dakota
- 0.000 Lake County, Tennessee 0.000 Lake of the Woods County, Minnesota
- Lamar County, Alabama 0.000
- 0.000 Lamar County, Georgia 0.000
- Lamar County, Mississippi 0.000
- Lamoille County, Vermont 0.000 Lancaster County, Nebraska
- Lancaster County, Pennsylvania 0.000
- Lancaster County, Virginia 0.000 Lander County, Nevada 0.000
- Langlade County, Wisconsin 0.000

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Lanier County, Georgia	0.000

Lapeer County, Michigan

Latimer County, Oklahoma

Lawrence County, Arkansas

- Laramie County, Wyoming 0.000
- Larimer County, Colorado 0.000
- Larue County, Kentucky 0.000
- Las Animas County, Colorado 0.000
- Lauderdale County, Alabama 0.000
- Lauderdale County, Mississippi 0.000
- Lauderdale County, Tennessee 0.000
- Laurel County, Kentucky 0.000
- 0.000 Laurens County, Georgia
- Lawrence County, Alabama 0.000
- 0.000 Lawrence County, Indiana
- 0.000 Lawrence County, Kentucky
- Lawrence County, Mississippi 0.000 Lawrence County, Ohio
- 0.000 Lawrence County, Pennsylvania
- Lawrence County, South Dakota 0.000
- Lawrence County, Tennessee
- Le Flore County, Oklahoma Le Sueur County, Minnesota
- 0.000 Leake County, Mississippi Lebanon County, Pennsylvania 0.000

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Lee County, Arkansas 0.000

Lee County, Alabama

Lee County, Florida

Lenoir County, North Carolina

- Lee County, Georgia 0.000
- Lee County, Iowa 0.000
- Lee County, Kentucky 0.000
- Lee County, Mississippi0.000Lee County, North Carolina0.000
- Lee County, Virginia 0.000
- Leelanau County, Michigan 0.000
- Leflore County, Mississippi 0.000
- Lehigh County, Pennsylvania 0.000
- Lenawee County, Michigan 0.000
- Leon County, Florida 0.000
- Leslie County, Kentucky 0.000
- Letcher County, Kentucky 0.000
- Levy County, Florida0.000Lewis County, Kentucky0.000
- Lewis County, New York 0.000
- Lewis County, Tennessee 0.000
- Lewis County, Washington0.000Lewis County, West Virginia0.000
- Lewis and Clark County, Montana0.000Lexington city, Virginia0.000

Liberty County, Florida	0.000

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Liberty County, Georgia

Lincoln County, Arkansas

Lincoln County, Mississippi

Lincoln County, Oklahoma

- Liberty County, Montana 0.000
- Licking County, Ohio 0.000
- Limestone County, Alabama 0.001
- Lincoln County, Colorado 0.000
- Lincoln County, Georgia 0.000
- Lincoln County, Kentucky 0.000
- Lincoln County, Maine 0.000
- 0.000 Lincoln County, Minnesota 0.000
- Lincoln County, Montana 0.000
- 0.000 Lincoln County, Nebraska
- 0.000 Lincoln County, Nevada
- 0.000 Lincoln County, North Carolina
- 0.000
- Lincoln County, South Dakota
- Lincoln County, Tennessee
- Lincoln County, Washington 0.000 Lincoln County, West Virginia 0.000
- 0.000 Lincoln County, Wisconsin
- Lincoln County, Wyoming 0.000 Lincoln Parish, Louisiana 0.000
- Linn County, Iowa

- Litchfield County, Connecticut 0.000
- Little River County, Arkansas0.000

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Livingston County, Kentucky

Logan County, Ohio

- Livingston County, Michigan 0.000
- Livingston County, New York 0.000
- Livingston Parish, Louisiana 0.000
- Logan County, Arkansas 0.000
- Logan County, Colorado 0.000
- Logan County, Kentucky 0.000
- Logan County, Nebraska 0.000
- Logan County, North Dakota 0.000
- Logan County, Oklahoma 0.000
- Logan County, West Virginia 0.000
- Long County, Georgia 0.000
- Lonoke County, Arkansas0.000Lorain County, Ohio0.000
- Loudon County, Tennessee 0.000
- Loudoun County, Virginia 0.000
- Louisa County, Iowa 0.000
- Louisa County, Virginia 0.000
- Loup County, Nebraska 0.000
- Love County, Oklahoma0.000Lowndes County, Alabama0.000
- Lowndes County, Georgia

Lowndes County, Mississipp	0.00	)0

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Lucas County, Iowa

Lumpkin County, Georgia

- Lucas County, Ohio 0.000
- Luce County, Michigan 0.000
- Lunenburg County, Virginia 0.000
- Luzerne County, Pennsylvania 0.000
- 0.000 Lycoming County, Pennsylvania
- 0.000 Lyman County, South Dakota
- Lynchburg city, Virginia 0.000
- 0.000 Lyon County, Iowa 0.000 Lyon County, Kentucky
- Lyon County, Minnesota 0.000
- Lyon County, Nevada 0.013
- 0.000 Mackinac County, Michigan
- Macomb County, Michigan 0.000
- Macon County, Alabama 0.000
- Macon County, Georgia 0.000 Macon County, North Carolina
- 0.000
- Macon County, Tennessee Madison County, Alabama 0.000
- Madison County, Arkansas 0.000 Madison County, Florida 0.000
- Madison County, Georgia 0.000 Madison County, Indiana 0.000

Madison County, Iowa	0.000	

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- Madison County, Mississippi 0.000
- Madison County, Montana 0.000
- Madison County, New York 0.000
- Madison County, North Carolina 0.000
- Madison County, Ohio

Madison County, Kentucky

Madison County, Nebraska

- Madison County, Tennessee 0.000
- Madison County, Virginia 0.000
- Madison Parish, Louisiana0.000Magoffin County, Kentucky0.000
- Mahaska County, Iowa 0.000
- Mahnomen County, Minnesota 0.000
- Mahoning County, Ohio0.000Major County, Oklahoma0.008
- Manassas Park city, Virginia 0.000
- Manassas city, Virginia 0.000
- Manatee County, Florida 0.000
- Manistee County, Michigan 0.000
- Manitowoc County, Wisconsin0.000Marathon County, Wisconsin0.000
- Marathon County, Wisconsin0.000Marengo County, Alabama0.000
- Marinette County, Wisconsin
- Marion County, Alabama

Marion County, Arkansas	0.000
Marion County, Florida	0.000
Marion County, Georgia	0.000
Marion County, Indiana	0.000
Marion County, Iowa	0.000
Marion County, Kentucky	0.000
Marion County, Mississippi	0.000
Marion County, Ohio	0.000
Marion County, Tennessee	0.000
Marion County, West Virginia	0.000
Marquette County, Michigan	0.000
Marquette County, Wisconsin	0.000
Marshall County, Alabama	0.000
Marshall County, Indiana	0.000
Marshall County, Iowa	0.000
Marshall County, Kentucky	0.000
Marshall County, Minnesota	0.000
Marshall County, Mississippi	0.000
Marshall County, Oklahoma	0.000
Marshall County, South Dakota	0.000
Marshall County, Tennessee	0.000
Marshall County, West Virginia	0.000
Martin County, Florida	0.000
Martin County, Indiana	0.000
Martin County, Kentucky	0.000

Martin County, Minnesota	0.000
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Martin County, North Carolina

Mason County, Washington

- Martinsville city, Virginia 0.000
- Mason County, Kentucky 0.000
- Mason County, Michigan 0.000
- Mason County, West Virginia 0.000
- Mathews County, Virginia 0.000
- Maury County, Tennessee 0.000
- Mayes County, Oklahoma0.000McClain County, Oklahoma0.028
- McCone County, Montana 0.000
- McCook County, South Dakota 0.000
- McCracken County, Kentucky 0.000
- McCreary County, Kentucky McCurtain County, Oklahoma
- McDowell County, North Carolina McDowell County, West Virginia McDuffie County, Georgia
- McHenry County, North Dakota McIntosh County, Georgia
- McIntosh County, North Dakota
- McIntosh County, Oklahoma McKean County, Pennsylvania
- McKenzie County, North Dakota

McLean County, Kentucky	0.000
McLean County, North Dakota	0.000
McLeod County, Minnesota	0.000
McMinn County, Tennessee	0.000
McNairy County, Tennessee	0.000
McPherson County, Nebraska	0.000
McPherson County, South Dakota	0.000
Meade County, Kentucky	0.000
Meade County, South Dakota	0.000
Meagher County, Montana	0.000
Mecklenburg County, North Carolina	0.000
Mecklenburg County, Virginia	0.000
Mecosta County, Michigan	0.000
Medina County, Ohio	0.000
Meeker County, Minnesota	0.000
Meigs County, Ohio	0.000
Meigs County, Tennessee	0.000
Mellette County, South Dakota	0.000
Menifee County, Kentucky	0.000
Menominee County, Michigan	0.000
Menominee County, Wisconsin	0.000
Mercer County, Kentucky	0.000
Mercer County, New Jersey	0.000
Mercer County, North Dakota	0.000
Mercer County, Ohio	0.000

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Mineral County, Nevada	0.000
Mineral County, West Virginia	0.000
Mingo County, West Virginia	0.000
Minnehaha County, South Dakota	0.000
Missaukee County, Michigan	0.000
Mississippi County, Arkansas	0.000
Missoula County, Montana	0.000
Mitchell County, Georgia	0.000
Mitchell County, Iowa	0.000
Mitchell County, North Carolina	0.000
Mobile County, Alabama	0.000
Moffat County, Colorado	0.000
Monmouth County, New Jersey	0.000
Monona County, Iowa	0.000
Monongalia County, West Virginia	0.002
Monroe County, Alabama	0.000
Monroe County, Arkansas	0.000
Monroe County, Florida	0.000
Monroe County, Georgia	0.000
Monroe County, Indiana	0.000
Monroe County, Iowa	0.000
Monroe County, Kentucky	0.000
Monroe County, Michigan	0.000
Monroe County, Mississippi	0.000
Monroe County, New York	0.000

Monroe County, Ohio	0.000
Monroe County, Pennsylvania	0.000
Monroe County, Tennessee	0.000
Monroe County, West Virginia	0.000
Monroe County, Wisconsin	0.000
Montcalm County, Michigan	0.000
Montezuma County, Colorado	0.000
Montgomery County, Alabama	0.000
Montgomery County, Arkansas	0.000
Montgomery County, Georgia	0.000
Montgomery County, Indiana	0.000
Montgomery County, Iowa	0.000
Montgomery County, Kentucky	0.000
Montgomery County, Maryland	0.000
Montgomery County, Mississippi	0.000
Montgomery County, New York	0.000
Montgomery County, North Carolina	0.001
Montgomery County, Ohio	0.000
Montgomery County, Pennsylvania	0.000
Montgomery County, Tennessee	0.000
Montgomery County, Virginia	0.000
Montmorency County, Michigan	0.000
Montour County, Pennsylvania	0.000
Montrose County, Colorado	0.000
Moody County, South Dakota	0.000

Moore County, North Carolina	0.000

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Moore County, Tennessee

Morgan County, Georgia

- 0.000 Morehouse Parish, Louisiana
- Morgan County, Alabama 0.000
- Morgan County, Colorado 0.000
- Morgan County, Indiana 0.000
- Morgan County, Kentucky 0.000
- Morgan County, Ohio 0.000
- Morgan County, Tennessee 0.000 0.000 Morgan County, Utah
- Morgan County, West Virginia 0.000
- Morrill County, Nebraska 0.000 0.000 Morris County, New Jersey
- 0.000 Morrison County, Minnesota
- 0.000 Morrow County, Ohio Morton County, North Dakota 0.000
- 0.000 Mountrail County, North Dakota
- Mower County, Minnesota Muhlenberg County, Kentucky
- Murray County, Georgia
- 0.000 Murray County, Minnesota Murray County, Oklahoma 0.000 0.000
- Muscatine County, Iowa 0.000 Muscogee County, Georgia

Muskegon County, Michigan	0.000

0.000

Muskingum County, Ohio

- Muskogee County, Oklahoma 0.000
- Musselshell County, Montana0.000Nance County, Nebraska0.000
- Nantucket County, Massachusetts 0.000
- Nash County, North Carolina 0.000
- Nassau County, Florida0.000Nassau County, New York0.000
- Natchitoches Parish, Louisiana0.000Natrona County, Wyoming0.000
- Nelson County, Kentucky 0.000
- Nelson County, North Dakota 0.000
- Nelson County, Virginia0.000Nemaha County, Nebraska0.000Neshoba County, Mississippi0.000
- Nevada County, Arkansas0.000New Castle County, Delaware0.000New Hanover County, North Carolina0.000New Haven County, Connecticut0.000
- New Kent County, Virginia0.000New London County, Connecticut0.000New York County, New York0.000Newaygo County, Michigan0.000
- Newport County, Rhode Island

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Newport News city, Virginia	0.000

Newton County, Arkansas

Niagara County, New York

Noble County, Indiana

- Newton County, Georgia 0.000
- Newton County, Indiana 0.037
- Newton County, Mississippi 0.000
- Nicholas County, Kentucky 0.000
- Nicholas County, West Virginia 0.000
- Nicollet County, Minnesota 0.000
- Niobrara County, Wyoming 0.000
- Noble County, Ohio 0.000
- Noble County, Oklahoma 0.000
- Nobles County, Minnesota0.000Norfolk County, Massachusetts0.000
- Norfolk city, Virginia0.000Norman County, Minnesota0.000Northampton County, North Carolina0.000Northampton County, Pennsylvania0.000Northampton County, Virginia0.000Northampton County, Pennsylvania0.000
- Northumberland County, Pennsylvania Northumberland County, Virginia Norton city, Virginia Nottoway County, Virginia
- Nowata County, Oklahoma

Noxubee County, Mississippi 0.000

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Nuckolls County, Nebraska

Obion County, Tennessee

Okaloosa County, Florida

- Nye County, Nevada 0.000
- O'Brien County, Iowa 0.000
- Oakland County, Michigan 0.000
- Ocean County, New Jersey 0.000
- Oceana County, Michigan 0.000
- Oconee County, Georgia 0.000
- Oconto County, Wisconsin 0.000
- Ogemaw County, Michigan0.000Oglethorpe County, Georgia0.001
- Ohio County, Indiana 0.000
- Ohio County, Kentucky 0.000
- Ohio County, West Virginia 0.000
- Okanogan County, Washington 0.000
- Okeechobee County, Florida 0.000
- Okfuskee County, Oklahoma 0.000
- Oklahoma County, Oklahoma 0.000
- Okmulgee County, Oklahoma0.000Oktibbeha County, Mississippi0.000
- Oldham County, Kentucky0.000Oliver County, North Dakota0.000
- Olmsted County, Minnesota

Oneida County, New York	0.000
Oneida County, Wisconsin	0.000
Onondaga County, New York	0.000
Onslow County, North Carolina	0.000
Ontario County, New York	0.000
Ontonagon County, Michigan	0.000
Orange County, Florida	0.000
Orange County, Indiana	0.000
Orange County, New York	0.000
Orange County, North Carolina	0.000
Orange County, Vermont	0.000
Orange County, Virginia	0.000
Orleans County, New York	0.000
Orleans County, Vermont	0.000
Orleans Parish, Louisiana	0.000
Osage County, Oklahoma	0.000
Osceola County, Florida	0.000
Osceola County, Iowa	0.000
Osceola County, Michigan	0.000
Oscoda County, Michigan	0.000
Oswego County, New York	0.000
Otero County, Colorado	0.073
Otoe County, Nebraska	0.000
Otsego County, Michigan	0.000
Otsego County, New York	0.000

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Ottawa County, Ohio

Ottawa County, Oklahoma

- Otter Tail County, Minnesota 0.000
- Ouachita County, Arkansas 0.000
- Ouachita Parish, Louisiana 0.000
- Ouray County, Colorado0.000Outagamie County, Wisconsin0.000
- Overton County, Tennessee 0.000
- Owen County, Indiana 0.000
- Owen County, Kentucky 0.000
- Owsley County, Kentucky 0.000
- Oxford County, Maine0.000Ozaukee County, Wisconsin0.000
- Pacific County, Washington 0.000
- Page County, Iowa 0.000
- Palm Beach County, Florida 0.000
- Palo Alto County, Iowa 0.000
- Pamlico County, North Carolina
- Panola County, Mississippi Park County, Colorado
- Park County, Montana0.000Park County, Wyoming0.000
- Parke County, Indiana

Page County, Virginia

Pasco County, Florida	0.000
Pasquotank County, North Carolina	0.000
Passaic County, New Jersey	0.000
Patrick County, Virginia	0.000
Paulding County, Georgia	0.000
Paulding County, Ohio	0.000
Pawnee County, Nebraska	0.000
Pawnee County, Oklahoma	0.000
Payne County, Oklahoma	0.000
Peach County, Georgia	0.000
Pearl River County, Mississippi	0.000
Pembina County, North Dakota	0.000
Pend Oreille County, Washington	0.000
Pender County, North Carolina	0.001
Pendleton County, Kentucky	0.000
Pendleton County, West Virginia	0.000
Pennington County, Minnesota	0.000
Pennington County, South Dakota	0.000
Penobscot County, Maine	0.000
Pepin County, Wisconsin	0.000
Perkins County, Nebraska	0.000
Perkins County, South Dakota	0.000
Perquimans County, North Carolina	0.000
Perry County, Alabama	0.000
Perry County, Arkansas	0.000

Perry County, Indiana	0.000
Perry County, Kentucky	0.000
Perry County, Mississippi	0.000
Perry County, Ohio	0.000
Perry County, Pennsylvania	0.000
Perry County, Tennessee	0.000
Pershing County, Nevada	0.000
Person County, North Carolina	0.000
Petersburg city, Virginia	0.000
Petroleum County, Montana	0.000
Phelps County, Nebraska	0.000
Philadelphia County, Pennsylvania	0.000
Phillips County, Arkansas	0.000
Phillips County, Colorado	0.003
Phillips County, Montana	0.000
Pickaway County, Ohio	0.000
Pickens County, Alabama	0.000
Pickens County, Georgia	0.000
Pickett County, Tennessee	0.000
Pierce County, Georgia	0.000
Pierce County, Nebraska	0.000
Pierce County, North Dakota	0.000
Pierce County, Washington	0.000
Pierce County, Wisconsin	0.000
Pike County, Alabama	0.000
Pike County, Arkansas	0.000
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Pike County, Georgia	0.000
Pike County, Indiana	0.000
Pike County, Kentucky	0.000
Pike County, Mississippi	0.000
Pike County, Ohio	0.000
Pike County, Pennsylvania	0.000
Pine County, Minnesota	0.000
Pinellas County, Florida	0.000
Pipestone County, Minnesota	0.000
Piscataquis County, Maine	0.000
Pitkin County, Colorado	0.000
Pitt County, North Carolina	0.000
Pittsburg County, Oklahoma	0.000
Pittsylvania County, Virginia	0.000
Piute County, Utah	0.000
Plaquemines Parish, Louisiana	0.000
Platte County, Nebraska	0.000
Platte County, Wyoming	0.000
Pleasants County, West Virginia	0.023
Plymouth County, Iowa	0.000
Plymouth County, Massachusetts	0.000
Pocahontas County, Iowa	0.000
Pocahontas County, West Virginia	0.000
Poinsett County, Arkansas	0.000

Pointe Coupee Parish, Louisiana	0.000
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- Polk County, Florida 0.000
- Polk County, Georgia 0.000
- Polk County, Minnesota 0.000
- Polk County, Nebraska

Polk County, Arkansas

Polk County, Iowa

Pope County, Arkansas

- Polk County, North Carolina 0.000
- Polk County, Tennessee 0.000
- Polk County, Wisconsin 0.000
- 0.000 Pondera County, Montana
- 0.000 Pontotoc County, Mississippi
- Pontotoc County, Oklahoma 0.000
- 0.000 Pope County, Minnesota
- 0.000 Poquoson city, Virginia
- Portage County, Ohio 0.000
- 0.000 Portage County, Wisconsin
- Porter County, Indiana
- Portsmouth city, Virginia 0.000
- Posey County, Indiana 0.000
- Pottawatomie County, Oklahoma 0.000 Pottawattamie County, Iowa 0.000
- Potter County, Pennsylvania Potter County, South Dakota 0.000

Powder River County, Montana	0.000
Powell County, Kentucky	0.000
Powell County, Montana	0.000
Poweshiek County, Iowa	0.000
Powhatan County, Virginia	0.000
Prairie County, Arkansas	0.000
Prairie County, Montana	0.000
Preble County, Ohio	0.000
Prentiss County, Mississippi	0.000
Presque Isle County, Michigan	0.000
Preston County, West Virginia	0.000
Price County, Wisconsin	0.000
Prince Edward County, Virginia	0.001
Prince George County, Virginia	0.000
Prince George's County, Maryland	0.000
Prince William County, Virginia	0.000
Providence County, Rhode Island	0.000
Prowers County, Colorado	0.021
Pueblo County, Colorado	0.012
Pulaski County, Arkansas	0.000
Pulaski County, Georgia	0.000
Pulaski County, Indiana	0.000
Pulaski County, Kentucky	0.000
Pulaski County, Virginia	0.000
Pushmataha County, Oklahoma	0.000

Putnam County, Florida	0.000

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Putnam County, Georgia

Putnam County, Ohio

Radford city, Virginia

- Putnam County, Indiana 0.001
- Putnam County, New York 0.000
- Putnam County, Tennessee 0.000
- Putnam County, West Virginia 0.000
- Queen Anne's County, Maryland 0.000
- Queens County, New York 0.000
- Quitman County, Georgia 0.000
- Quitman County, Mississippi 0.000
- Rabun County, Georgia0.000
- Racine County, Wisconsin 0.000
- Raleigh County, West Virginia 0.000
- Ramsey County, Minnesota 0.000
- Ramsey County, North Dakota 0.000
- Randolph County, Alabama 0.000
- Randolph County, Arkansas0.000
- Randolph County, Georgia
- Randolph County, Indiana
- Randolph County, North Carolina0.000Randolph County, West Virginia0.000
- Rankin County, Mississippi0.000Ransom County, North Dakota0.000

Rapides Parish, Louisiana	0.000
Rappahannock County, Virginia	0.001
Ravalli County, Montana	0.000
Red Lake County, Minnesota	0.000
Red River Parish, Louisiana	0.000
Red Willow County, Nebraska	0.000
Redwood County, Minnesota	0.000
Rensselaer County, New York	0.000
Renville County, Minnesota	0.000
Renville County, North Dakota	0.000
Rhea County, Tennessee	0.000
Rice County, Minnesota	0.000
Rich County, Utah	0.000
Richardson County, Nebraska	0.000
Richland County, Montana	0.000
Richland County, North Dakota	0.000
Richland County, Ohio	0.000
Richland County, Wisconsin	0.000
Richland Parish, Louisiana	0.000
Richmond County, Georgia	0.000
Richmond County, New York	0.000
Richmond County, North Carolina	0.000
Richmond County, Virginia	0.000
Richmond city, Virginia	0.000
Ringgold County, Iowa	0.000

Rio Blanco County, Colorado	0.000
Rio Grande County, Colorado	0.000
Ripley County, Indiana	0.000
Ritchie County, West Virginia	0.000
Roane County, Tennessee	0.001
Roane County, West Virginia	0.000
Roanoke County, Virginia	0.000
Roanoke city, Virginia	0.000
Roberts County, South Dakota	0.000
Robertson County, Kentucky	0.000
Robertson County, Tennessee	0.000
Robeson County, North Carolina	0.000
Rock County, Minnesota	0.000
Rock County, Nebraska	0.000
Rock County, Wisconsin	0.000
Rockbridge County, Virginia	0.000
Rockcastle County, Kentucky	0.000
Rockdale County, Georgia	0.000
Rockingham County, New Hampshire	0.000
Rockingham County, North Carolina	0.000
Rockingham County, Virginia	0.000
Rockland County, New York	0.000
Roger Mills County, Oklahoma	0.000
Rogers County, Oklahoma	0.000
Rolette County, North Dakota	0.000

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Roosevelt County, Montana	0	.000

Roscommon County, Michigan

- Roseau County, Minnesota 0.000
- Rosebud County, Montana 0.000
- Ross County, Ohio Routt County, Colorado 0.000
- Rowan County, Kentucky 0.000
- Rowan County, North Carolina 0.000
- Rush County, Indiana 0.000 Rusk County, Wisconsin 0.000 Russell County, Alabama 0.000
- Russell County, Kentucky 0.000
- Russell County, Virginia 0.000
- 0.000 Rutherford County, Tennessee
- 0.000 Rutland County, Vermont
- Sabine Parish, Louisiana 0.000
- 0.000 Sac County, Iowa 0.000 Sagadahoc County, Maine
- Saginaw County, Michigan 0.000
- Saguache County, Colorado 0.000
- 0.000 Salem County, New Jersey
- Salem city, Virginia 0.000 Saline County, Arkansas 0.000
- Saline County, Nebraska

Rutherford County, North Carolina

Salt Lake County, Utah	0.000

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Sampson County, North Carolina

- San Juan County, Colorado 0.000
- San Juan County, Utah 0.000
- San Juan County, Washington 0.000
- San Miguel County, Colorado Sanborn County, South Dakota 0.000
- Sanders County, Montana 0.000
- Sandusky County, Ohio 0.000 Sanilac County, Michigan 0.000
- Sanpete County, Utah 0.013
- Santa Rosa County, Florida 0.000
- Sarasota County, Florida 0.000
- 0.000 Saratoga County, New York
- 0.000 Sargent County, North Dakota 0.000
- Sarpy County, Nebraska Sauk County, Wisconsin 0.000
- 0.000 Saunders County, Nebraska
- 0.000 Sawyer County, Wisconsin
- Schenectady County, New York Schley County, Georgia
- Schoharie County, New York 0.000 Schoolcraft County, Michigan 0.000
- Schuyler County, New York Schuylkill County, Pennsylvania

Scioto County, Ohio	0.000
Scotland County, North Carolina	0.000
Scott County, Arkansas	0.000
Scott County, Indiana	0.000
Scott County, Iowa	0.000
Scott County, Kentucky	0.000
Scott County, Minnesota	0.000
Scott County, Mississippi	0.000
Scott County, Tennessee	0.000
Scott County, Virginia	0.000
Scotts Bluff County, Nebraska	0.022
Screven County, Georgia	0.000
Searcy County, Arkansas	0.021
Sebastian County, Arkansas	0.000
Sedgwick County, Colorado	0.003
Seminole County, Florida	0.000
Seminole County, Georgia	0.019
Seminole County, Oklahoma	0.000
Seneca County, New York	0.000
Seneca County, Ohio	0.000
Sequatchie County, Tennessee	0.000
Sequoyah County, Oklahoma	0.000
Sevier County, Arkansas	0.000
Sevier County, Tennessee	0.000
Sevier County, Utah	0.000

Seward County, Nebraska	0.000
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0.000

Sharkey County, Mississippi

Shawano County, Wisconsin

- Sharp County, Arkansas 0.000
- Sheboygan County, Wisconsin 0.000
- Shelby County, Alabama 0.000
- Shelby County, Indiana 0.000
- Shelby County, Iowa 0.000
- Shelby County, Kentucky0.000Shelby County, Ohio0.000
- Shelby County, Ohio0.000Shelby County, Tennessee0.000
- Shenandoah County, Virginia 0.000
- Sherburne County, Minnesota 0.000
- Sheridan County, Montana 0.000
- Sheridan County, Nebraska0.000Sheridan County, North Dakota0.000
- Sheridan County, Wyoming 0.000
- Sherman County, Nebraska 0.000
- Shiawassee County, Michigan 0.000
- Sibley County, Minnesota0.000Silver Bow County, Montana0.000
- Simpson County, Kentucky0.000Simpson County, Mississippi0.000
- Sioux County, Iowa0.000Sioux County, Nebraska0.000

Sioux County, North Dakota	0.000
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Skagit County, Washington

Somerset County, Maryland

Skamania County, Washington 0.000

0.000

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- Slope County, North Dakota 0.000
- Smith County, Mississippi 0.000
- Smith County, Tennessee 0.000
- Smyth County, Virginia Snohomish County, Washington 0.000
- Snyder County, Pennsylvania 0.000
- Somerset County, Maine 0.000
- Somerset County, New Jersey
- Somerset County, Pennsylvania 0.000
- 0.000 Southampton County, Virginia
- 0.000 Spalding County, Georgia
- Spencer County, Indiana Spencer County, Kentucky 0.000
- 0.000 Spink County, South Dakota
- 0.000 Spokane County, Washington
- Spotsylvania County, Virginia 0.000
- St. Bernard Parish, Louisiana 0.000
- St. Charles Parish, Louisiana 0.000
- 0.000 St. Clair County, Alabama
- St. Clair County, Michigan
- St. Croix County, Wisconsin 0.000

St. Francis County, Arkansas	0.000
St. Helena Parish, Louisiana	0.000
St. James Parish, Louisiana	0.000
St. John the Baptist Parish, Louisiana	0.000
St. Johns County, Florida	0.000
St. Joseph County, Indiana	0.000
St. Joseph County, Michigan	0.000
St. Landry Parish, Louisiana	0.000
St. Lawrence County, New York	0.000
St. Louis County, Minnesota	0.000
St. Lucie County, Florida	0.000
St. Martin Parish, Louisiana	0.000
St. Mary Parish, Louisiana	0.000
St. Mary's County, Maryland	0.000
St. Tammany Parish, Louisiana	0.000
Stafford County, Virginia	0.000
Stanley County, South Dakota	0.000
Stanly County, North Carolina	0.000
Stanton County, Nebraska	0.000
Stark County, North Dakota	0.000
Stark County, Ohio	0.000
Starke County, Indiana	0.000
Staunton city, Virginia	0.000
Stearns County, Minnesota	0.000
Steele County, Minnesota	0.000

Steele County, North Dakota	0.000
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Stephens County, Georgia

Stevens County, Minnesota

Stokes County, North Carolina

- Stephens County, Oklahoma 0.000
- Steuben County, Indiana 0.000
- Steuben County, New York 0.000
- Stevens County, Washington 0.000
- Stewart County, Georgia 0.000
- Stewart County, Tennessee 0.000
- Stillwater County, Montana 0.000
- Stone County, Arkansas 0.001
- Stone County, Mississippi 0.000
- Storey County, Nevada 0.000
- Story County, Iowa0.000Strafford County, New Hampshire0.000
- Stutsman County, North Dakota0.000Sublette County, Wyoming0.000
- Sublette County, Wyoming Suffolk County, Massachusetts
- Suffolk County, New York
- Suffolk city, Virginia Sullivan County, Indiana Sullivan County, New Hampshire
- Sullivan County, New York0.000Sullivan County, Pennsylvania0.000

Sullivan County, Tennessee	0.000
Sully County, South Dakota	0.000
Summers County, West Virginia	0.000
Summit County, Colorado	0.000
Summit County, Ohio	0.000
Summit County, Utah	0.000
Sumner County, Tennessee	0.000
Sumter County, Alabama	0.000
Sumter County, Florida	0.000
Sumter County, Georgia	0.000
Sunflower County, Mississippi	0.000
Surry County, North Carolina	0.000
Surry County, Virginia	0.000
Susquehanna County, Pennsylvania	0.000
Sussex County, Delaware	0.000
Sussex County, New Jersey	0.000
Sussex County, Virginia	0.000
Suwannee County, Florida	0.000
Swain County, North Carolina	0.000
Sweet Grass County, Montana	0.000
Sweetwater County, Wyoming	0.000
Swift County, Minnesota	0.000
Switzerland County, Indiana	0.000
Talbot County, Georgia	0.000
Talbot County, Maryland	0.001

Faliaferro County,	Georgia	0.000
	0	

Talladega County, Alabama

Tangipahoa Parish, Louisiana

Taylor County, Wisconsin

Tallahatchie County, Mississippi0.000

0.000

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0.000

0.000

- Tallapoosa County, Alabama 0.000
- Tama County, Iowa0.000
- Tate County, Mississippi0.000
- Tattnall County, Georgia0.001
- Taylor County, Florida 0.000
- Taylor County, Georgia0.000
- Taylor County, Iowa 0.000
- Taylor County, Kentucky0.000
- Taylor County, West Virginia0.000
- Tazewell County, Virginia 0.000
- Telfair County, Georgia 0.000
- Teller County, Colorado 0.000
- Tensas Parish, Louisiana0.000
- Terrebonne Parish, Louisiana0.000
- Terrell County, Georgia0.000Teton County, Montana0.000
- Teton County, Wyoming 0.000
- Texas County, Oklahoma0.000Thayer County, Nebraska0.000
- Thomas County, Georgia

Thomas County, Nebraska 0.000

0.000

0.000

0.000

0.000

Thurston County, Nebraska

Towns County, Georgia

Traverse County, Minnesota

- 0.000 Thurston County, Washington
- Tift County, Georgia 0.000
- Tillman County, Oklahoma 0.000
- Tioga County, New York Tioga County, Pennsylvania 0.000
- Tippah County, Mississippi 0.000
- Tippecanoe County, Indiana 0.014
- Tipton County, Indiana 0.000
- 0.000 Tipton County, Tennessee 0.000 Tishomingo County, Mississippi
- Todd County, Kentucky 0.000
- 0.000 Todd County, Minnesota
- 0.000 Todd County, South Dakota
- 0.014 Tolland County, Connecticut
- Tompkins County, New York 0.011
- 0.000 Tooele County, Utah 0.000 Toole County, Montana
- Toombs County, Georgia 0.000 Towner County, North Dakota 0.000
- Traill County, North Dakota 0.000 Transylvania County, North Carolina 0.000

Treasure County, Montana	0.000
Trempealeau County, Wisconsin	0.000
Treutlen County, Georgia	0.000
Trigg County, Kentucky	0.000
Trimble County, Kentucky	0.000
Tripp County, South Dakota	0.000
Troup County, Georgia	0.000
Trousdale County, Tennessee	0.000
Trumbull County, Ohio	0.000
Tucker County, West Virginia	0.000
Tulsa County, Oklahoma	0.000
Tunica County, Mississippi	0.000
Turner County, Georgia	0.000
Turner County, South Dakota	0.000
Tuscaloosa County, Alabama	0.000
Tuscarawas County, Ohio	0.000
Tuscola County, Michigan	0.000
Twiggs County, Georgia	0.000
Tyler County, West Virginia	0.000
Tyrrell County, North Carolina	0.000
Uinta County, Wyoming	0.000
Uintah County, Utah	0.000
Ulster County, New York	0.000
Unicoi County, Tennessee	0.000
Union County, Arkansas	0.000

Union County, Florida	0.002	

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Union County, Georgia

- Union County, Indiana 0.000
- Union County, Iowa 0.000
- Union County, Kentucky Union County, Mississippi 0.000
- Union County, New Jersey
- Union County, North Carolina 0.000
- Union County, Ohio 0.000
- Union County, Pennsylvania 0.000
- Union County, South Dakota 0.000
- Union County, Tennessee 0.000
- Union Parish, Louisiana 0.000 0.000 Upshur County, West Virginia
- 0.000 Upson County, Georgia
- 0.000 Utah County, Utah
- Valley County, Montana 0.000
- Valley County, Nebraska 0.000 Van Buren County, Arkansas
- Van Buren County, Iowa 0.000
- Van Buren County, Michigan 0.000
- Van Buren County, Tennessee 0.000
- Van Wert County, Ohio 0.000 Vance County, North Carolina 0.000
- Vanderburgh County, Indiana

Venango County, Pennsylvania	0.000
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Vermilion Parish, Louisiana

Vigo County, Indiana

Wabash County, Indiana

Wakulla County, Florida

- Vermillion County, Indiana 0.000
- Vernon County, Wisconsin 0.000
- Vernon Parish, Louisiana 0.000
- Vilas County, Wisconsin 0.000
- Vinton County, Ohio
- Virginia Beach city, Virginia 0.000
- Volusia County, Florida 0.000
- Wabasha County, Minnesota 0.000
- Wadena County, Minnesota 0.000
- Wagoner County, Oklahoma 0.000
- Wahkiakum County, Washington0.000
- Wake County, North Carolina0.000
- Waldo County, Maine 0.000
- Walker County, Alabama0.000Walker County, Georgia0.000
- Walla Walla County, Washington0.000Walsh County, North Dakota0.000
- Walthall County, Mississippi0.000Walton County, Florida0.000
- Walton County, Georgia

Walworth County, South Dakota	0.000

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Walworth County, Wisconsin

Wapello County, Iowa

Warren County, Iowa

Warren County, Ohio

- Ward County, North Dakota 0.000
- Ware County, Georgia 0.000
- Warren County, Georgia 0.000
- Warren County, Indiana 0.000
- Warren County, Kentucky 0.000
- Warren County, Mississippi 0.000
- Warren County, New Jersey 0.000
- Warren County, New York 0.000
- Warren County, North Carolina 0.002
- Warren County, Pennsylvania 0.000
- Warren County, Tennessee 0.000
- Warren County, Virginia 0.000
- Warrick County, Indiana 0.000
- Wasatch County, Utah 0.000
- Waseca County, Minnesota 0.000
- Washakie County, Wyoming 0.022
- Washburn County, Wisconsin
- Washington County, Alabama
- Washington County, Arkansas
- Washington County, Colorado 0.000

Washington County, Florida	0.000
Washington County, Georgia	0.000
Washington County, Indiana	0.000
Washington County, Iowa	0.000
Washington County, Kentucky	0.000
Washington County, Maine	0.000
Washington County, Maryland	0.000
Washington County, Minnesota	0.000
Washington County, Mississippi	0.000
Washington County, Nebraska	0.000
Washington County, New York	0.000
Washington County, North Carolina	0.000
Washington County, Ohio	0.000
Washington County, Oklahoma	0.000
Washington County, Pennsylvania	0.000
Washington County, Rhode Island	0.000
Washington County, Tennessee	0.002
Washington County, Utah	0.000
Washington County, Vermont	0.000
Washington County, Virginia	0.001
Washington County, Wisconsin	0.000
Washington Parish, Louisiana	0.000
Washita County, Oklahoma	0.000
Washoe County, Nevada	0.000
Washtenaw County, Michigan	0.000

0.000

Watonwan County, Minnesota	0.000
Waukesha County, Wisconsin	0.000
Waupaca County, Wisconsin	0.000

Watauga County, North Carolina

- 0.000 Waushara County, Wisconsin
- 0.000 Wayne County, Georgia 0.000 Wayne County, Indiana
- Wayne County, Iowa 0.000
- Wayne County, Kentucky 0.000 0.000 Wayne County, Michigan
- Wayne County, Mississippi 0.000
- 0.000 Wayne County, Nebraska
- Wayne County, New York 0.000
- Wayne County, North Carolina 0.000
- Wayne County, Ohio Wayne County, Pennsylvania 0.000
- Wayne County, Tennessee 0.000
- 0.000 Wayne County, Utah
- Wayne County, West Virginia 0.000
- Waynesboro city, Virginia 0.000 0.000
- Weakley County, Tennessee Weber County, Utah 0.000
- Webster County, Georgia 0.000 Webster County, Iowa 0.000
- Webster County, Kentucky 0.000

Webster County, Mississippi	0.000
Webster County, Nebraska	0.000
Webster County, West Virginia	0.000
Webster Parish, Louisiana	0.000
Weld County, Colorado	0.030
Wells County, Indiana	0.000
Wells County, North Dakota	0.001
West Baton Rouge Parish, Louisiana	0.000
West Carroll Parish, Louisiana	0.000
West Feliciana Parish, Louisiana	0.010
Westchester County, New York	0.000
Westmoreland County, Pennsylvania	0.000
Westmoreland County, Virginia	0.000
Weston County, Wyoming	0.000
Wetzel County, West Virginia	0.000
Wexford County, Michigan	0.000
Whatcom County, Washington	0.000
Wheatland County, Montana	0.000
Wheeler County, Georgia	0.000
Wheeler County, Nebraska	0.000
White County, Arkansas	0.000
White County, Georgia	0.000
White County, Indiana	0.000
White County, Tennessee	0.000
White Pine County, Nevada	0.000

Whitfield County, Georgia	0.000
Whitley County, Indiana	0.000

Whitley County, Kentucky Whitman County, Washington 0.000

0.000

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- Wibaux County, Montana 0.000
- Wicomico County, Maryland 0.000
- Wilcox County, Alabama 0.000
- Wilcox County, Georgia 0.000
- Wilkes County, Georgia 0.000
- Wilkes County, North Carolina 0.000 0.000 Wilkin County, Minnesota
- Wilkinson County, Georgia 0.000
- Wilkinson County, Mississippi 0.000 0.000 Williams County, North Dakota
- 0.000 Williams County, Ohio
- Williamsburg city, Virginia Williamson County, Tennessee 0.000
- 0.000 Wilson County, North Carolina
- Wilson County, Tennessee Winchester city, Virginia
- Windham County, Connecticut 0.000
- 0.000 Windham County, Vermont Windsor County, Vermont 0.000 Winn Parish, Louisiana 0.000
- Winnebago County, Iowa 0.000

Winnebago County, Wisconsin	0.000

0.000

Winneshiek County, Iowa

Woodruff County, Arkansas

- Winona County, Minnesota 0.000
- Winston County, Alabama0.000Winston County, Mississippi0.000
- Wirt County, West Virginia 0.000
- Wise County, Virginia 0.000
- Wolfe County, Kentucky 0.000
- Wood County, Ohio 0.000
- Wood County, West Virginia0.000Wood County, Wisconsin0.000
- Woodbury County, Iowa 0.000
- Woodford County, Kentucky 0.000
- Woods County, Oklahoma 0.000
- Woodward County, Oklahoma0.000Worcester County, Maryland0.000
- Worcester County, Massachusetts0.000Worth County, Georgia0.000Worth County, Iowa0.000Wright County, Iowa0.000
- Wright County, Minnesota0.000Wyandot County, Ohio0.000
- Wyoming County, New York0.000Wyoming County, Pennsylvania0.000

Wyoming County, West Virginia	0.003
Wythe County, Virginia	0.000
Yadkin County, North Carolina	0.000
Yakima County, Washington	0.041
Yalobusha County, Mississippi	0.000
Yancey County, North Carolina	0.000
Yankton County, South Dakota	0.000
Yates County, New York	0.000
Yazoo County, Mississippi	0.000
Yell County, Arkansas	0.000
Yellow Medicine County, Minnesota	0.000
Yellowstone County, Montana	0.000
York County, Maine	0.000
York County, Nebraska	0.000
York County, Pennsylvania	0.000
York County, Virginia	0.000
Yuma County, Colorado	0.000
Ziebach County, South Dakota	0.000

Fig 9.15 WIC Women: Full Non-parametric V weight list

Predictor	V Weight
Total population	0.01
Female	0.01
Median age years	0.01
One race White	0.01

One race Black or African American	0.01
One race American Indian and Alaska Native	0.01
One race Asian Asian Indian	0.01
One race Asian Chinese	0.01
One race Asian Filipino	0.01
One race Asian Other Asian	0.01
One race Native Hawaiian and Other Pacific Islander	0.01
One race Some other race	0.01
Two or more races White and Black or African American	0.01
Two or more races White and American Indian and Alaska Native	0.01
Two or more races White and Asian	0.01
Two or more races Black or African American and American Indian and Alaska Native	0.01
Hispanic or Latino of any race	0.01
Hispanic or Latino of any race Mexican	0.01
Hispanic or Latino of any race Puerto Rican	0.01
Hispanic or Latino of any race Cuban	0.01
X Total housing units	0.01
In labor force Civilian labor force Employed	0.01
In labor force Civilian labor force Unemployed	0.01
In labor force Armed Forces	0.01
Females 16 years and over	0.01
X COMMUTING TO WORK Car truck or van drove alone	0.01
X COMMUTING TO WORK Car truck or van carpooled	0.01

X COMMUTING TO WORK Public transportation excluding taxicab			
X COMMUTING TO WORK Walked			
X COMMUTING TO WORK Worked at home			
X COMMUTING TO WORK Mean travel time to work minutes			
X OCCUPATION Management business science and arts occupations	0.01		
X OCCUPATION Service occupations	0.009		
X OCCUPATION Sales and office occupations	0.01		
X OCCUPATION Natural resources construction and maintenance occupations	0.01		
X OCCUPATION Production transportation and material moving occupations	0.01		
X INDUSTRY Agriculture forestry fishing and hunting and mining	0.01		
X INDUSTRY Construction	0.01		
X INDUSTRY Manufacturing	0.01		
X INDUSTRY Wholesale trade	0.01		
X INDUSTRY Retail trade	0.01		
X INDUSTRY Transportation and warehousing and utilities	0.01		
X INDUSTRY Information	0.01		
X INDUSTRY Finance and insurance and real estate and rental and leasing	0.01		
X INDUSTRY Professional scientific and management and administrative and waste management services	0.01		
X INDUSTRY Educational services and health care and social assistance	0.01		

X INDUSTRY Arts entertainment and recreation and accommodation and food services	0.01
X INDUSTRY Other services except public administration	0.01
X INDUSTRY Public administration	0.01
X CLASS OF WORKER Private wage and salary workers	0.01
X CLASS OF WORKER Government workers	0.01
X CLASS OF WORKER Self employed in own not incorporated business workers	0.01
X CLASS OF WORKER Unpaid family workers	0.01
Total households	0.01
With earnings Mean earnings dollars	0.01
With Social Security	0.01
With Social Security Mean Social Security income dollars	0.01
With retirement income	0.01
With Supplemental Security Income	0.01
With cash public assistance income	0.01
With Food Stamp SNAP benefits in the past 12 months	0.01
Families	0.01
Median family income dollars	0.01
Mean family income dollars	0.01
Per capita income dollars	0.01
Nonfamily households	0.01
Median nonfamily income dollars	0.01
Mean nonfamily income dollars	0.01
Median earnings for male full time year round workers dollars	0.01

Civilian noninstitutionalized population	0.01
With health insurance coverage With private health insurance	0.01
With health insurance coverage With public coverage	0.01
No health insurance coverage	0.01
Civilian noninstitutionalized population under 18 years	0.01
Civilian noninstitutionalized population 18 to 64 years	0.01
Urban Inside urbanized areas	0.01
Urban Inside urban clusters	0.01
Rural	0.01
Male Ed Less Than High School	0.01
Male Ed High School Graduated	0.01
Male Ed Some College Or Associates	0.01
Male Ed Bachelors Degree Or Higher	0.01
Female Ed Less Than High School	0.01
Female Ed High School Graduated	0.01
Female Ed Some College Or Associates	0.01
Female Ed Bachelors Degree Or Higher	0.01
total votes x	0.01
republican vote percent x	0.01
democrat vote percent x	0.01
Age 0 To 9	0.01
Age 10 To 19	0.01
Age 20 To 24	0.01
Age 25 To 44	0.01
Age 45 To 64	0.01

Age 65 To 44	0.01
Income 0k 25k	0.01
Income 25k 50k	0.01
Income 50k 75k	0.01
Income 75k 100k	0.01
Income 100k 200k	0.01
Income Over 200k	0.01

Predictor	Treatment	Synthetic	Abs. Diff
Median.earnings.for.male.full.timeyear.rou nd.workers.dollars	48.949	47.564	1.385
Per.capita.income.dollars	48.789	47.914	0.875
Rural	56.416	55.687	0.729
total_votes_x	52.999	53.668	0.669
Median.age.years	47.888	47.256	0.632
Urban_Inside.urbanized.areas	16.474	17.104	0.630
Median.nonfamily.income.dollars	50.545	51.017	0.472
Hispanic.or.Latino.of.any.race_Mexican	15.652	15.184	0.468
One.race_Black.or.African.American	5.841	5.376	0.465

X_COMMUTING.TO.WORK_Mean.travel.t ime.to.work.minutes	44.239	43.798	0.441
X_Total.housing.units	46.377	46.022	0.355
One.race_White	85.755	86.106	0.351
Mean.family.income.dollars	50.445	50.108	0.337
Total.population	46.802	46.483	0.319
Income_0k_25k	28.057	28.323	0.266
Male_Ed_Less_Than_High_School	18.58	18.811	0.231
With.earnings_Mean.earnings.dollars	49.824	49.594	0.230
Total.households	46.496	46.273	0.223
Median.family.income.dollars	49.472	49.687	0.215
republican_vote_percent_x	63.491	63.29	0.201
democrat_vote_percent_x	34.47	34.645	0.175
With.Social.Security	34.334	34.179	0.155
Income_100k_200k	12.243	12.093	0.150
Income_25k_50k	27.469	27.324	0.145
X_INDUSTRY_Artsentertainmentand.recr eationand.accommodation.and.food.service s	7.715	7.852	0.137
X_INDUSTRY_Educational.servicesand.he alth.care.and.social.assistance	22.872	22.745	0.127
X_OCCUPATION_Managementbusinesss cienceand.arts.occupations	29.971	30.097	0.126
With.Food.Stamp.SNAP.benefits.in.the.past. 12.months	12.398	12.511	0.113
Hispanic.or.Latino.of.any.race	18.01	18.122	0.112
Male_Ed_Some_College_Or_Associates	30.105	29.995	0.110
X_OCCUPATION_Service.occupations	18.673	18.567	0.106

Urban_Inside.urban.clusters	27.11	27.209	0.099
Female_Ed_Less_Than_High_School	16.205	16.106	0.099
Age_0_To_9	12.901	12.994	0.093
One.race_Some.other.race	3.698	3.79	0.092
One.race_American.Indian.and.Alaska.Nativ e	1.275	1.189	0.086
Female_Ed_High_School_Graduated	31.809	31.895	0.086
X_OCCUPATION_Natural.resourcesconstr uctionand.maintenance.occupations	14.105	14.188	0.083
X_CLASS.OF.WORKER_Private.wage.and. salary.workers	71.749	71.829	0.080
With.cash.public.assistance.income	2.237	2.316	0.079
X_OCCUPATION_Productiontransportatio nand.material.moving.occupations	14.758	14.68	0.078
With.Supplemental.Security.Income	4.905	4.828	0.077
X_COMMUTING.TO.WORK_Cartruckor .vandrove.alone	78.076	78.002	0.074
Civilian.noninstitutionalized.population.18.to .64.years	59.314	59.387	0.073
No.health.insurance.coverage	17.095	17.028	0.067
Hispanic.or.Latino.of.any.race_Puerto.Rican	0.249	0.316	0.067
Female_Ed_Some_College_Or_Associates	34.19	34.254	0.064
Male_Ed_Bachelors_Degree_Or_Higher	16.826	16.768	0.058
Mean.nonfamily.income.dollars	51.701	51.755	0.054
In.labor.force_Civilian.labor.force_Unemplo yed	8.148	8.201	0.053
X_INDUSTRY_Retail.trade	11.3	11.248	0.052
Age_45_To_64	27.287	27.237	0.050

Female_Ed_Bachelors_Degree_Or_Higher	17.797	17.751	0.046
X_INDUSTRY_Agricultureforestryfishin g.and.huntingand.mining	8.754	8.798	0.044
X_CLASS.OF.WORKER_Government.work ers	18.75	18.71	0.040
Male_Ed_High_School_Graduated	34.49	34.45	0.040
X_CLASS.OF.WORKER_Self.employed.in. own.not.incorporated.business.workers	9.192	9.153	0.039
Hispanic.or.Latino.of.any.race_Cuban	0.067	0.102	0.035
Income_75k_100k	11.277	11.311	0.034
With.retirement.income	18.552	18.586	0.034
Civilian.noninstitutionalized.population.unde r.18.years	24.616	24.583	0.033
Age_25_To_44	23.541	23.574	0.033
In.labor.force_Civilian.labor.force_Employe	91.347	91.315	0.032
With.Social.Security_Mean.Social.Security.i ncome.dollars	51.494	51.462	0.032
X_INDUSTRY_Professionalscientificand. managementand.administrative.and.waste. management.services	6.361	6.33	0.031
Age_20_To_24	6.145	6.114	0.031
Age_10_To_19	13.851	13.822	0.029
X_INDUSTRY_Transportation.and.warehou singand.utilities	5.562	5.589	0.027
X_COMMUTING.TO.WORK_Walked	3.037	3.063	0.026
X_OCCUPATION_Sales.and.office.occupati ons	22.493	22.468	0.025
X_COMMUTING.TO.WORK_Cartruckor .vancarpooled	11.521	11.501	0.020

In.labor.force_Armed.Forces	0.504	0.484	0.020
Income_Over_200k	2.23	2.21	0.020
Two.or.more.races_White.and.American.Indi an.and.Alaska.Native	0.792	0.81	0.018
X_INDUSTRY_Finance.and.insuranceand.r eal.estate.and.rental.and.leasing	4.66	4.678	0.018
Age_65_To_44	16.274	16.259	0.015
With.health.insurance.coverage_With.private .health.insurance	62.826	62.813	0.013
X_INDUSTRY_Construction	7.645	7.633	0.012
One.race_Asian_Chinese	0.26	0.249	0.011
X_INDUSTRY_Manufacturing	10.326	10.316	0.010
X_COMMUTING.TO.WORK_Worked.at.h ome	4.998	5.008	0.010
Families	68.516	68.508	0.008
X_INDUSTRY_Public.administration	6.053	6.061	0.008
Nonfamily.households	31.484	31.492	0.008
Income_50k_75k	18.724	18.732	0.008
X_INDUSTRY_Information	1.461	1.454	0.007
X_INDUSTRY_Information Two.or.more.races_White.and.Black.or.Afric an.American	1.461 0.441	1.454 0.434	0.007 0.007
X_INDUSTRY_Information Two.or.more.races_White.and.Black.or.Afric an.American Two.or.more.races_White.and.Asian	1.461 0.441 0.243	1.454 0.434 0.25	0.007 0.007 0.007
X_INDUSTRY_Information Two.or.more.races_White.and.Black.or.Afric an.American Two.or.more.races_White.and.Asian Females.16.years.and.over	1.461 0.441 0.243 49.97	1.454 0.434 0.25 49.963	0.007 0.007 0.007 0.007
X_INDUSTRY_Information Two.or.more.races_White.and.Black.or.Afric an.American Two.or.more.races_White.and.Asian Females.16.years.and.over X_COMMUTING.TO.WORK_Public.transp ortation.excluding.taxicab	1.461 0.441 0.243 49.97 0.698	1.454 0.434 0.25 49.963 0.703	0.007 0.007 0.007 0.007 0.005
X_INDUSTRY_Information Two.or.more.races_White.and.Black.or.Afric an.American Two.or.more.races_White.and.Asian Females.16.years.and.over X_COMMUTING.TO.WORK_Public.transp ortation.excluding.taxicab One.race_Asian_Asian.Indian	1.461 0.441 0.243 49.97 0.698 0.215	1.454 0.434 0.25 49.963 0.703 0.211	0.007 0.007 0.007 0.007 0.005

X_INDUSTRY_Other.servicesexcept.publi c.administration	4.796	4.799	0.003
Civilian.noninstitutionalized.population	96.992	96.995	0.003
One.race_Asian_Filipino	0.255	0.252	0.003
Female	49.694	49.696	0.002
One.race_Native.Hawaiian.and.Other.Pacific .Islander	0.084	0.083	0.001
X_CLASS.OF.WORKER_Unpaid.family.wo rkers	0.309	0.308	0.001
One.race_Asian_Other.Asian	0.321	0.321	0.000
Two.or.more.races_Black.or.African.Americ an.and.American.Indian.and.Alaska.Native	0.051	0.051	0.000
With.health.insurance.coverage_With.public. coverage	33.612	33.612	0.000

Fig 9.17 WIC Women: Condensed Non-parametric W weight list

County	W Weight
Morgan County, Colorado	0.000
Otero County, Colorado	0.000
Hall County, Georgia	0.000
Yakima County, Washington	0.000
Newton County, Indiana	0.000
Harper County, Oklahoma	0.048
Weld County, Colorado	0.000
McClain County, Oklahoma	0.000
Clark County, Nevada	0.000
Pleasants County, West Virginia	0.000
0.000	
-------	

0.000

0.000

0.000

0.000

0.000

Scotts Bluff County, Nebraska

Middlesex County, Virginia

- Washakie County, Wyoming 0.000
- Prowers County, Colorado 0.003
- Searcy County, Arkansas 0.000 0.000
- Archuleta County, Colorado 0.000
- Seminole County, Georgia 0.000
- Cheyenne County, Colorado 0.000
- Galax city, Virginia 0.000 0.000 Northumberland County, Virginia
- Greer County, Oklahoma Tippecanoe County, Indiana 0.000
- Tolland County, Connecticut 0.001
- 0.000 Foster County, North Dakota
- 0.000 Lyon County, Nevada
- Sanpete County, Utah 0.000
- 0.000 Pueblo County, Colorado
- 0.000 Adams County, Washington
- Doddridge County, West Virginia Tompkins County, New York West Feliciana Parish, Louisiana
- Island County, Washington 0.000 Big Horn County, Wyoming 0.000
- Deuel County, Nebraska

Grant County, Indiana	0.000
Major County, Oklahoma	0.000

Union County, Georgia 0.000

Izard County, Arkansas

Fremont County, Colorado 0.000

0.000

0.000

- Somerset County, New Jersey 0.000
- Dundy County, Nebraska 0.000
- East Feliciana Parish, Louisiana 0.000
- Chattahoochee County, Georgia 0.000
- Garfield County, Colorado0.000Middlesex County, New Jersey0.002
- Colfax County, Nebraska 0.000
- Crowley County, Colorado 0.000
- Daggett County, Utah0.000Phillips County, Colorado0.000
- Sedgwick County, Colorado0.000Wyoming County, West Virginia0.000Elko County, Nevada0.000Monongalia County, West Virginia0.000Union County, Florida0.000
- Warren County, North Carolina0.000Washington County, Tennessee0.006Anderson County, Tennessee0.000Augusta County, Virginia0.000
- Benton County, Arkansas

Bland County, Virginia	0.000
Bleckley County, Georgia	0.000
Blount County, Alabama	0.000
Chelan County, Washington	0.000
Claiborne Parish, Louisiana	0.000
Garfield County, Oklahoma	0.000
Henderson County, North Carolina	0.000
Limestone County, Alabama	0.000
Montgomery County, North Carolina	0.000
Oglethorpe County, Georgia	0.000
Pender County, North Carolina	0.000
Prince Edward County, Virginia	0.000
Putnam County, Georgia	0.000
Putnam County, Indiana	0.000
Rappahannock County, Virginia	0.000
Roane County, Tennessee	0.000
Stone County, Arkansas	0.000
Talbot County, Maryland	0.000
Tattnall County, Georgia	0.000
Washington County, Virginia	0.000
Wells County, North Dakota	0.000
Acadia Parish, Louisiana	0.000
Accomack County, Virginia	0.000
Adair County, Iowa	0.000
Adair County, Kentucky	0.000

Adair County, Oklahoma	0.000

0.000

0.000

0.000

0.000

0.000

Adams County, Colorado

Adams County, North Dakota

- Adams County, Indiana 0.000
- Adams County, Iowa Adams County, Mississippi 0.000
- Adams County, Nebraska 0.000
- Adams County, Ohio 0.000
- Adams County, Pennsylvania 0.000
- Adams County, Wisconsin 0.000 0.000 Addison County, Vermont
- Aitkin County, Minnesota 0.000
- Alachua County, Florida 0.000
- 0.000 Alamance County, North Carolina 0.000 Alamosa County, Colorado
- 0.000 Albany County, New York
- Albany County, Wyoming 0.000 0.000 Albemarle County, Virginia
- Alcona County, Michigan Alcorn County, Mississippi
- Alexander County, North Carolina 0.000 Alexandria city, Virginia 0.000
- Alfalfa County, Oklahoma 0.035 Alger County, Michigan 0.000
- Allamakee County, Iowa

Allegan County, Michigan	0.000
Allegany County, Maryland	0.000
Allegany County, New York	0.000
Alleghany County, North Carolina	0.000
Alleghany County, Virginia	0.005
Allegheny County, Pennsylvania	0.000
Allen County, Indiana	0.000
Allen County, Kentucky	0.000
Allen County, Ohio	0.000
Allen Parish, Louisiana	0.000
Alpena County, Michigan	0.000
Amelia County, Virginia	0.000
Amherst County, Virginia	0.000
Amite County, Mississippi	0.000
Anderson County, Kentucky	0.000
Androscoggin County, Maine	0.000
Anne Arundel County, Maryland	0.000
Anoka County, Minnesota	0.000
Anson County, North Carolina	0.000
Antelope County, Nebraska	0.000
Antrim County, Michigan	0.000
Appanoose County, Iowa	0.000
Appling County, Georgia	0.001
Appomattox County, Virginia	0.000
Arapahoe County, Colorado	0.000

Arenac County, Michigan 0.000

0.000

0.000

Arkansas County, Arkansas

- 0.000 Arlington County, Virginia Armstrong County, Pennsylvania 0.000
- Aroostook County, Maine 0.000
- Arthur County, Nebraska 0.000
- Ascension Parish, Louisiana 0.000
- Ashe County, North Carolina Ashland County, Ohio 0.000
- Ashland County, Wisconsin 0.000
- 0.000 Ashley County, Arkansas
- Ashtabula County, Ohio 0.000
- Asotin County, Washington 0.000 0.000 Assumption Parish, Louisiana
- 0.000 Athens County, Ohio
- 0.000 Atkinson County, Georgia
- Atlantic County, New Jersey 0.000
- 0.000 Atoka County, Oklahoma 0.001 Attala County, Mississippi
- Audubon County, Iowa 0.000
- Auglaize County, Ohio 0.032
- 0.000 Aurora County, South Dakota
- 0.000 Autauga County, Alabama Avery County, North Carolina 0.000
- Avoyelles Parish, Louisiana 0.000

0.015

0.020

0.004

0.022

0.006

Bacon County, Georgia	0.001

Baca County, Colorado

Barbour County, West Virginia

Bath County, Kentucky

- Baker County, Florida Baker County, Georgia 0.010
- Baldwin County, Alabama 0.000
- Baldwin County, Georgia
- Ballard County, Kentucky Baltimore County, Maryland 0.007
- Baltimore city, Maryland 0.001
- Banks County, Georgia 0.000
- Banner County, Nebraska 0.023
- Baraga County, Michigan 0.031
- Barbour County, Alabama 0.000
- 0.016 Barnes County, North Dakota
- 0.000 Barnstable County, Massachusetts
- Barren County, Kentucky 0.036
- 0.000 Barron County, Wisconsin
- 0.021 Barrow County, Georgia
- Barry County, Michigan 0.016 Bartholomew County, Indiana 0.042
- Bartow County, Georgia 0.000
- Bath County, Virginia 0.029 0.000 Baxter County, Arkansas

Bay County, Florida	0.000
Bay County, Michigan	0.000
Bayfield County, Wisconsin	0.015
Beadle County, South Dakota	0.007
Beaufort County, North Carolina	0.003
Beauregard Parish, Louisiana	0.000
Beaver County, Oklahoma	0.000
Beaver County, Pennsylvania	0.048
Beaver County, Utah	0.027
Beaverhead County, Montana	0.030
Becker County, Minnesota	0.000
Beckham County, Oklahoma	0.075
Bedford County, Pennsylvania	0.000
Bedford County, Tennessee	0.000
Bedford County, Virginia	0.007
Belknap County, New Hampshire	0.000
Bell County, Kentucky	0.026
Belmont County, Ohio	0.000
Beltrami County, Minnesota	0.000
Ben Hill County, Georgia	0.000
Bennett County, South Dakota	0.016
Bennington County, Vermont	0.000
Benson County, North Dakota	0.034
Bent County, Colorado	0.010
Benton County, Indiana	0.000

Benton County, Iowa	0.001
Benton County, Minnesota	0.039
Benton County, Mississippi	0.001
Benton County, Tennessee	0.000
Benton County, Washington	0.000
Benzie County, Michigan	0.000
Bergen County, New Jersey	0.044
Berkeley County, West Virginia	0.015
Berks County, Pennsylvania	0.000
Berkshire County, Massachusetts	0.000
Berrien County, Georgia	0.000
Berrien County, Michigan	0.000
Bertie County, North Carolina	0.040
Bibb County, Alabama	0.000
Bibb County, Georgia	0.000
Bienville Parish, Louisiana	0.001
Big Horn County, Montana	0.000
Big Stone County, Minnesota	0.031
Billings County, North Dakota	0.001
Black Hawk County, Iowa	0.078

Fig 9.18 WIC Women: Condensed Non-parametric V weight list

Predictor	V Weight
Total.population	0.005
Female	0.000

Median.age.years	0.004
One.race_White	0.008
One.race_Black.or.African.American	0.017
One.race_American.Indian.and.Alaska.Native	0.001
One.race_Asian_Asian.Indian	0.004
One.race_Asian_Chinese	0.015
One.race_Asian_Filipino	0.004
One.race_Asian_Other.Asian	0.000
One.race_Native.Hawaiian.and.Other.Pacific.Islander	0.000
One.race_Some.other.race	0.036
Two.or.more.races_White.and.Black.or.African.American	0.000
Two.or.more.races_White.and.American.Indian.and.Alaska.Native	0.018
Two.or.more.races_White.and.Asian	0.018
Two.or.more.races_Black.or.African.American.and.American.Indian.an d.Alaska.Native	0.000
Hispanic.or.Latino.of.any.race	0.026
Hispanic.or.Latino.of.any.race_Mexican	0.063
Hispanic.or.Latino.of.any.race_Puerto.Rican	0.022
Hispanic.or.Latino.of.any.race_Cuban	0.035
X_Total.housing.units	0.007
In.labor.force_Civilian.labor.force_Employed	0.000
In.labor.force_Civilian.labor.force_Unemployed	0.003
In.labor.force_Armed.Forces	0.000
Females.16.years.and.over	0.000
X_COMMUTING.TO.WORK_Cartruckor.vandrove.alone	0.008

X_COMMUTING.TO.WORK_Cartruckor.vancarpooled	0.000
$\label{eq:commutation} X\_COMMUTING.TO.WORK\_Public.transportation.excluding.taxicab$	0.000
X_COMMUTING.TO.WORK_Walked	0.004
X_COMMUTING.TO.WORK_Worked.at.home	0.016
X_COMMUTING.TO.WORK_Mean.travel.time.to.work.minutes	0.000
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	0.018
X_OCCUPATION_Service.occupations	0.027
X_OCCUPATION_Sales.and.office.occupations	0.012
X_OCCUPATION_Natural.resourcesconstructionand.maintenance.o ccupations	0.020
$\label{eq:constraint} \begin{array}{l} X\_OCCUPATION\_Productiontransportationand.material.moving.occ \\ upations \end{array}$	0.013
X_INDUSTRY_Agricultureforestryfishing.and.huntingand.mining	0.003
X_INDUSTRY_Construction	0.000
X_INDUSTRY_Manufacturing	0.002
X_INDUSTRY_Wholesale.trade	0.013
X_INDUSTRY_Retail.trade	0.001
$\label{eq:constraint} X\_INDUSTRY\_Transportation.and.warehousingand.utilities$	0.011
X_INDUSTRY_Information	0.005
X_INDUSTRY_Finance.and.insuranceand.real.estate.and.rental.and.le asing	0.006
X_INDUSTRY_Professionalscientificand.managementand.administ rative.and.waste.management.services	0.011
X_INDUSTRY_Educational.servicesand.health.care.and.social.assista nce	0.000
X_INDUSTRY_Artsentertainmentand.recreationand.accommodatio n.and.food.services	0.007

$eq:lindustry_other.servicesexcept.public.administration$	0.006
X_INDUSTRY_Public.administration	0.002
X_CLASS.OF.WORKER_Private.wage.and.salary.workers	0.000
X_CLASS.OF.WORKER_Government.workers	0.000
X_CLASS.OF.WORKER_Self.employed.in.own.not.incorporated.busin ess.workers	0.000
X_CLASS.OF.WORKER_Unpaid.family.workers	0.010
Total.households	0.003
With.earnings_Mean.earnings.dollars	0.004
With.Social.Security	0.025
With.Social.Security_Mean.Social.Security.income.dollars	0.000
With.retirement.income	0.005
With.Supplemental.Security.Income	0.006
With.cash.public.assistance.income	0.039
With.Food.Stamp.SNAP.benefits.in.the.past.12.months	0.006
Families	0.005
Median.family.income.dollars	0.000
Mean.family.income.dollars	0.005
Per.capita.income.dollars	0.000
Nonfamily.households	0.005
Median.nonfamily.income.dollars	0.022
Mean.nonfamily.income.dollars	0.000
Median.earnings.for.male.full.timeyear.round.workers.dollars	0.046
Civilian.noninstitutionalized.population	0.004
With.health.insurance.coverage_With.private.health.insurance	0.000

With.health.insurance.coverage_With.public.coverage	0.000
No.health.insurance.coverage	0.031
Civilian.noninstitutionalized.population.under.18.years	0.013
Civilian.noninstitutionalized.population.18.to.64.years	0.011
Urban_Inside.urbanized.areas	0.000
Urban_Inside.urban.clusters	0.017
Rural	0.002
Male_Ed_Less_Than_High_School	0.000
Male_Ed_High_School_Graduated	0.001
Male_Ed_Some_College_Or_Associates	0.014
Male_Ed_Bachelors_Degree_Or_Higher	0.001
Female_Ed_Less_Than_High_School	0.015
Female_Ed_High_School_Graduated	0.012
Female_Ed_Some_College_Or_Associates	0.000
Female_Ed_Bachelors_Degree_Or_Higher	0.000
total_votes_x	0.070
republican_vote_percent_x	0.002
democrat_vote_percent_x	0.003
Age_0_To_9	0.017
Age_10_To_19	0.006
Age_20_To_24	0.000
Age_25_To_44	0.019
Age_45_To_64	0.000
Age_65_To_44	0.001
Income_0k_25k	0.022

Income_25k_50k	0.024
Income_50k_75k	0.003
Income_75k_100k	0.010
Income_100k_200k	0.044
Income_Over_200k	0.004

Fig 9.19 WIC Women: Full Parametric W weight list

County	W Weight
Acadia Parish, Louisiana	0.000
Accomack County, Virginia	0.000
Adair County, Iowa	0.000
Adair County, Kentucky	0.000
Adair County, Oklahoma	0.000
Adams County, Colorado	0.002
Adams County, Indiana	0.000
Adams County, Iowa	0.000
Adams County, Mississippi	0.000
Adams County, Nebraska	0.001
Adams County, North Dakota	0.000
Adams County, Ohio	0.000
Adams County, Pennsylvania	0.000
Adams County, Washington	0.121
Adams County, Wisconsin	0.000
Addison County, Vermont	0.000
Aitkin County, Minnesota	0.000

Alachua County, Florida	0.000
Alamance County, North Carolina	0.000
Alamosa County, Colorado	0.005
Albany County, New York	0.000
Albany County, Wyoming	0.001
Albemarle County, Virginia	0.000
Alcona County, Michigan	0.000
Alcorn County, Mississippi	0.000
Alexander County, North Carolina	0.000
Alexandria city, Virginia	0.000
Alfalfa County, Oklahoma	0.001
Alger County, Michigan	0.000
Allamakee County, Iowa	0.000
Allegan County, Michigan	0.000
Allegany County, Maryland	0.000
Allegany County, New York	0.000
Alleghany County, North Carolina	0.000
Alleghany County, Virginia	0.000
Allegheny County, Pennsylvania	0.000
Allen County, Indiana	0.000
Allen County, Kentucky	0.000
Allen County, Ohio	0.000
Allen Parish, Louisiana	0.000
Alpena County, Michigan	0.000
Amelia County, Virginia	0.000

Amherst County, Virginia	0.000

0.001

Amite County, Mississippi

- Anderson County, Kentucky 0.000
- Anderson County, Tennessee 0.000
- Androscoggin County, Maine 0.000 Anne Arundel County, Maryland 0.000
- Anoka County, Minnesota 0.000
- Anson County, North Carolina 0.000
- Antelope County, Nebraska 0.000
- Antrim County, Michigan 0.000
- 0.000 Appanoose County, Iowa
- Appling County, Georgia 0.000
- Appomattox County, Virginia 0.000
- Arapahoe County, Colorado 0.001 Archuleta County, Colorado
- 0.000 Arenac County, Michigan
- Arkansas County, Arkansas 0.000
- 0.000 Arlington County, Virginia
- 0.000 Armstrong County, Pennsylvania
- 0.000 Aroostook County, Maine Arthur County, Nebraska 0.000 0.000 Ascension Parish, Louisiana
- Ashe County, North Carolina 0.000 0.000 Ashland County, Ohio
- Ashland County, Wisconsin 0.000

Ashley County, Arkansas	0.000

0.000

0.000

0.000

0.000

0.000

Ashtabula County, Ohio

Asotin County, Washington

Autauga County, Alabama

- Assumption Parish, Louisiana 0.000
- Athens County, Ohio 0.000
- Atkinson County, Georgia 0.001
- Atlantic County, New Jersey 0.001
- Atoka County, Oklahoma
- Attala County, Mississippi 0.000
- Audubon County, Iowa 0.000
- Auglaize County, Ohio 0.000
- Augusta County, Virginia 0.000
- Aurora County, South Dakota0.000
- Avery County, North Carolina 0.000
- Avoyelles Parish, Louisiana 0.000
- Baca County, Colorado 0.001
- Bacon County, Georgia 0.000
- Baker County, Florida 0.000
- Baker County, Georgia 0.000
- Baldwin County, Alabama0.000Baldwin County, Georgia0.000
- Ballard County, Kentucky 0.000
- Baltimore County, Maryland Baltimore city, Maryland

Banks County, Georgia	0.000
Banner County, Nebraska	0.001
Baraga County, Michigan	0.000
Barbour County, Alabama	0.000
Barbour County, West Virginia	0.000
Barnes County, North Dakota	0.000
Barnstable County, Massachusetts	0.000
Barren County, Kentucky	0.000
Barron County, Wisconsin	0.000
Barrow County, Georgia	0.001
Barry County, Michigan	0.000
Bartholomew County, Indiana	0.000
Bartow County, Georgia	0.000
Bath County, Kentucky	0.000
Bath County, Virginia	0.000
Baxter County, Arkansas	0.000
Bay County, Florida	0.000
Bay County, Michigan	0.000
Bayfield County, Wisconsin	0.000
Beadle County, South Dakota	0.000
Beaufort County, North Carolina	0.000
Beauregard Parish, Louisiana	0.000
Beaver County, Oklahoma	0.007
Beaver County, Pennsylvania	0.000
Beaver County, Utah	0.001

Beaverhead County, Montana	0.000
Becker County, Minnesota	0.000
Beckham County, Oklahoma	0.001
Bedford County, Pennsylvania	0.000
Bedford County, Tennessee	0.001
Bedford County, Virginia	0.000
Belknap County, New Hampshire	0.000
Bell County, Kentucky	0.000
Belmont County, Ohio	0.000
Beltrami County, Minnesota	0.000
Ben Hill County, Georgia	0.000
Bennett County, South Dakota	0.000
Bennington County, Vermont	0.000
Benson County, North Dakota	0.000
Bent County, Colorado	0.001
Benton County, Arkansas	0.001
Benton County, Indiana	0.000
Benton County, Iowa	0.000
Benton County, Minnesota	0.000
Benton County, Mississippi	0.000
Benton County, Tennessee	0.000
Benton County, Washington	0.001
Benzie County, Michigan	0.000
Bergen County, New Jersey	0.001
Berkeley County, West Virginia	0.000

Berks County, Pennsylvania	0.001
Berkshire County, Massachusetts	0.000
Berrien County, Georgia	0.000
Berrien County, Michigan	0.000
Bertie County, North Carolina	0.000
Bibb County, Alabama	0.000
Bibb County, Georgia	0.000
Bienville Parish, Louisiana	0.000
Big Horn County, Montana	0.000
Big Horn County, Wyoming	0.001
Big Stone County, Minnesota	0.000
Billings County, North Dakota	0.000
Black Hawk County, Iowa	0.000
Blackford County, Indiana	0.000
Bladen County, North Carolina	0.000
Blaine County, Montana	0.000
Blaine County, Nebraska	0.000
Blaine County, Oklahoma	0.001
Blair County, Pennsylvania	0.000
Bland County, Virginia	0.000
Bleckley County, Georgia	0.000
Bledsoe County, Tennessee	0.000
Blount County, Alabama	0.001
Blount County, Tennessee	0.000
Blue Earth County, Minnesota	0.000

Bolivar County, Mississippi	0.000
Bon Homme County, South Dakota	0.000
Boone County, Arkansas	0.000
Boone County, Indiana	0.000
Boone County, Iowa	0.000
Boone County, Kentucky	0.000
Boone County, Nebraska	0.000
Boone County, West Virginia	0.000
Bossier Parish, Louisiana	0.000
Botetourt County, Virginia	0.000
Bottineau County, North Dakota	0.000
Boulder County, Colorado	0.000
Bourbon County, Kentucky	0.000
Bowman County, North Dakota	0.000
Box Butte County, Nebraska	0.001
Box Elder County, Utah	0.001
Boyd County, Kentucky	0.000
Boyd County, Nebraska	0.000
Boyle County, Kentucky	0.000
Bracken County, Kentucky	0.000
Bradford County, Florida	0.000
Bradford County, Pennsylvania	0.000
Bradley County, Arkansas	0.000
Bradley County, Tennessee	0.000
Branch County, Michigan	0.000

Brantley County, Georgia	0.000
Braxton County, West Virginia	0.000
Breathitt County, Kentucky	0.000
Breckinridge County, Kentucky	0.000
Bremer County, Iowa	0.000
Brevard County, Florida	0.000
Bristol County, Massachusetts	0.000
Bristol County, Rhode Island	0.000
Bristol city, Virginia	0.000
Broadwater County, Montana	0.000
Bronx County, New York	0.001
Brooke County, West Virginia	0.000
Brookings County, South Dakota	0.000
Brooks County, Georgia	0.000
Broome County, New York	0.000
Broomfield County, Colorado	0.000
Broward County, Florida	0.001
Brown County, Indiana	0.000
Brown County, Minnesota	0.000
Brown County, Nebraska	0.000
Brown County, Ohio	0.000
Brown County, South Dakota	0.000
Brown County, Wisconsin	0.000
Brule County, South Dakota	0.000
Brunswick County, North Carolina	0.000

Brunswick County, Virginia	0.000

0.000

0.000

Bryan County, Georgia

Buckingham County, Virginia

- Bryan County, Oklahoma 0.000
- Buchanan County, Iowa 0.000
- Buchanan County, Virginia 0.000 0.000
- Bucks County, Pennsylvania 0.000
- Buena Vista County, Iowa 0.001
- Buena Vista city, Virginia 0.000
- Buffalo County, Nebraska 0.001 Buffalo County, South Dakota 0.000
- 0.000 Buffalo County, Wisconsin
- Bullitt County, Kentucky 0.000
- 0.000 Bulloch County, Georgia
- 0.000 Bullock County, Alabama 0.000
- Buncombe County, North Carolina Burke County, Georgia 0.000
- 0.000 Burke County, North Carolina
- 0.000 Burke County, North Dakota
- Burleigh County, North Dakota
- Burlington County, New Jersey 0.000
- 0.000 Burnett County, Wisconsin 0.000 Burt County, Nebraska 0.000 Butler County, Alabama
- Butler County, Iowa

Butler County, Kentucky	0.000
Butler County, Nebraska	0.000
Butler County, Ohio	0.000
Butler County, Pennsylvania	0.000
Butte County, South Dakota	0.000
Butts County, Georgia	0.000
Cabarrus County, North Carolina	0.000
Cabell County, West Virginia	0.000
Cache County, Utah	0.001
Caddo County, Oklahoma	0.001
Caddo Parish, Louisiana	0.000
Calcasieu Parish, Louisiana	0.000
Caldwell County, Kentucky	0.000
Caldwell County, North Carolina	0.000
Caldwell Parish, Louisiana	0.000
Caledonia County, Vermont	0.000
Calhoun County, Alabama	0.000
Calhoun County, Arkansas	0.000
Calhoun County, Florida	0.000
Calhoun County, Georgia	0.000
Calhoun County, Iowa	0.000
Calhoun County, Michigan	0.000
Calhoun County, Mississippi	0.000
Calhoun County, West Virginia	0.000
Calloway County, Kentucky	0.000

Calumet County, Wisconsin	0.000
Calvert County, Maryland	0.000
Cambria County, Pennsylvania	0.000
Camden County, Georgia	0.000
Camden County, New Jersey	0.000
Camden County, North Carolina	0.000
Cameron County, Pennsylvania	0.000
Cameron Parish, Louisiana	0.000
Campbell County, Kentucky	0.000
Campbell County, South Dakota	0.000
Campbell County, Tennessee	0.000
Campbell County, Virginia	0.000
Campbell County, Wyoming	0.001
Canadian County, Oklahoma	0.001
Candler County, Georgia	0.000
Cannon County, Tennessee	0.000
Cape May County, New Jersey	0.000
Carbon County, Montana	0.000
Carbon County, Pennsylvania	0.000
Carbon County, Utah	0.001
Carbon County, Wyoming	0.001
Carlisle County, Kentucky	0.000
Carlton County, Minnesota	0.000
Caroline County, Maryland	0.000
Caroline County, Virginia	0.000

Carroll County, Arkansas 0.001

0.000

0.000

0.000

0.000

Carroll County, Georgia

Carroll County, Maryland

Carter County, Montana

- Carroll County, Indiana 0.000
- Carroll County, Iowa 0.000
- Carroll County, Kentucky 0.000
- Carroll County, Mississippi
- Carroll County, New Hampshire 0.000
- Carroll County, Ohio 0.000
- Carroll County, Tennessee 0.000
- Carroll County, Virginia 0.000
- Carson City, Nevada 0.001
- Carter County, Kentucky 0.000
- Carter County, Oklahoma 0.000
- Carter County, Tennessee 0.000
- Carteret County, North Carolina 0.000
- Carver County, Minnesota 0.000
- Cascade County, Montana 0.000
- Casey County, Kentucky 0.000
- Cass County, Indiana 0.001
- Cass County, Iowa 0.000 Cass County, Michigan 0.000
- Cass County, Minnesota0.000Cass County, Nebraska0.000

Cass County, North Dakota	0.000
Caswell County, North Carolina	0.000
Catahoula Parish, Louisiana	0.000
Catawba County, North Carolina	0.000
Catoosa County, Georgia	0.000
Cattaraugus County, New York	0.000
Cavalier County, North Dakota	0.000
Cayuga County, New York	0.000
Cecil County, Maryland	0.000
Cedar County, Iowa	0.000
Cedar County, Nebraska	0.000
Centre County, Pennsylvania	0.000
Cerro Gordo County, Iowa	0.000
Chaffee County, Colorado	0.000
Chambers County, Alabama	0.000
Champaign County, Ohio	0.000
Charles City County, Virginia	0.000
Charles County, Maryland	0.000
Charles Mix County, South Dakota	0.000
Charlevoix County, Michigan	0.000
Charlotte County, Florida	0.000
Charlotte County, Virginia	0.000
Charlottesville city, Virginia	0.000
Charlton County, Georgia	0.000
Chase County, Nebraska	0.001

Chatham County, Georgia	0.000
Chatham County, North Carolina	0.000
Chattahoochee County, Georgia	0.001
Chattooga County, Georgia	0.000
Chautauqua County, New York	0.000
Cheatham County, Tennessee	0.000
Cheboygan County, Michigan	0.000
Chelan County, Washington	0.001
Chemung County, New York	0.000
Chenango County, New York	0.000
Cherokee County, Alabama	0.000
Cherokee County, Georgia	0.001
Cherokee County, Iowa	0.000
Cherokee County, North Carolina	0.000
Cherokee County, Oklahoma	0.000
Cherry County, Nebraska	0.000
Chesapeake city, Virginia	0.000
Cheshire County, New Hampshire	0.000
Chester County, Pennsylvania	0.000
Chester County, Tennessee	0.000
Chesterfield County, Virginia	0.000
Cheyenne County, Colorado	0.001
Cheyenne County, Nebraska	0.001
Chickasaw County, Iowa	0.000
Chickasaw County, Mississippi	0.000

Chicot County, Arkansas	0.000
Chilton County, Alabama	0.000
Chippewa County, Michigan	0.000
Chippewa County, Minnesota	0.000
Chippewa County, Wisconsin	0.000
Chisago County, Minnesota	0.000
Chittenden County, Vermont	0.000
Choctaw County, Alabama	0.000
Choctaw County, Mississippi	0.000
Choctaw County, Oklahoma	0.000
Chouteau County, Montana	0.000
Chowan County, North Carolina	0.000
Christian County, Kentucky	0.000
Churchill County, Nevada	0.001
Cimarron County, Oklahoma	0.002
Citrus County, Florida	0.000
Claiborne County, Mississippi	0.000
Claiborne County, Tennessee	0.000
Claiborne Parish, Louisiana	0.000
Clallam County, Washington	0.000
Clare County, Michigan	0.000
Clarion County, Pennsylvania	0.000
Clark County, Arkansas	0.000
Clark County, Indiana	0.000
Clark County, Kentucky	0.000

Clark County, Nevada 0.001

0.000

0.000

0.000

0.000

0.001

0.000

Clark County, Ohio

Clay County, Nebraska

- Clark County, South Dakota 0.000
- Clark County, Washington 0.000
- Clark County, Wisconsin Clarke County, Alabama 0.000
- Clarke County, Georgia 0.000
- Clarke County, Iowa
- 0.000 Clarke County, Mississippi
- 0.000 Clarke County, Virginia
- Clay County, Alabama 0.000 Clay County, Arkansas
- Clay County, Florida 0.000
- Clay County, Georgia 0.000
- 0.000 Clay County, Indiana Clay County, Iowa 0.000
- Clay County, Kentucky 0.000
- 0.000 Clay County, Minnesota
- Clay County, Mississippi 0.000
- 0.000 Clay County, North Carolina
- Clay County, South Dakota 0.000
- Clay County, Tennessee 0.000
- Clay County, West Virginia Clayton County, Georgia 0.000

Clayton County, Iowa	0.000
Clear Creek County, Colorado	0.000
Clearfield County, Pennsylvania	0.000
Clearwater County, Minnesota	0.000
Cleburne County, Alabama	0.000
Cleburne County, Arkansas	0.000
Clermont County, Ohio	0.000
Cleveland County, Arkansas	0.000
Cleveland County, North Carolina	0.000
Cleveland County, Oklahoma	0.001
Clinch County, Georgia	0.000
Clinton County, Indiana	0.001
Clinton County, Iowa	0.000
Clinton County, Kentucky	0.000
Clinton County, Michigan	0.000
Clinton County, New York	0.000
Clinton County, Ohio	0.000
Clinton County, Pennsylvania	0.000
Coahoma County, Mississippi	0.000
Coal County, Oklahoma	0.000
Cobb County, Georgia	0.000
Cocke County, Tennessee	0.000
Codington County, South Dakota	0.000
Coffee County, Alabama	0.000
Coffee County, Georgia	0.000

Coffee County, Tennessee	0.000
Colbert County, Alabama	0.000
Colfax County, Nebraska	0.003
Collier County, Florida	0.001
Colonial Heights city, Virginia	0.000
Colquitt County, Georgia	0.001
Columbia County, Arkansas	0.000
Columbia County, Florida	0.000
Columbia County, Georgia	0.000
Columbia County, New York	0.000
Columbia County, Pennsylvania	0.000
Columbia County, Washington	0.000
Columbia County, Wisconsin	0.000
Columbiana County, Ohio	0.000
Columbus County, North Carolina	0.000
Comanche County, Oklahoma	0.001
Concordia Parish, Louisiana	0.000
Conecuh County, Alabama	0.000
Conejos County, Colorado	0.002
Converse County, Wyoming	0.001
Conway County, Arkansas	0.000
Cook County, Georgia	0.000
Cook County, Minnesota	0.000
Coos County, New Hampshire	0.000
Coosa County, Alabama	0.000

Copiah County, Mississippi	0.000

0.000

0.000

0.000

0.000

0.000

0.000

- Cortland County, New York 0.000
- Coshocton County, Ohio 0.000
- Costilla County, Colorado 0.024
- Cottonwood County, Minnesota 0.000
- Covington County, Alabama

Corson County, South Dakota

Cotton County, Oklahoma

- Covington County, Mississippi 0.000
- Covington city, Virginia 0.000
- Coweta County, Georgia0.000Cowlitz County, Washington0.000
- Craig County, Oklahoma 0.000
- Craig County, Oklahoma 0.000 Craig County, Virginia 0.000
- Craighead County, Arkansas 0.000
- Craven County, North Carolina 0.000
- Crawford County, Arkansas 0.000
- Crawford County, Georgia 0.000 Crawford County, Indiana 0.000
- Crawford County, Iowa 0.001
- Crawford County, Iowa0.001Crawford County, Michigan0.000
- Crawford County, Ohio Crawford County, Pennsylvania Crawford County, Wisconsin
- Creek County, Oklahoma

Crisp County, Georgia	0.000
Crittenden County, Arkansas	0.000
Crittenden County, Kentucky	0.000
Crockett County, Tennessee	0.000
Crook County, Wyoming	0.000
Cross County, Arkansas	0.000
Crow Wing County, Minnesota	0.000
Crowley County, Colorado	0.016
Cullman County, Alabama	0.000
Culpeper County, Virginia	0.000
Cumberland County, Kentucky	0.000
Cumberland County, Maine	0.000
Cumberland County, New Jersey	0.001
Cumberland County, North Carolina	0.000
Cumberland County, Pennsylvania	0.000

Crenshaw County, Alabama

0.000 Cumberland County, Tennessee 0.000 Cumberland County, Virginia Cuming County, Nebraska 0.000 Currituck County, North Carolina 0.000 Custer County, Colorado 0.000 Custer County, Montana 0.000 0.000 Custer County, Nebraska Custer County, Oklahoma 0.001 0.000 Custer County, South Dakota

0.000

0.000

0.000

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0.000

0.000

Dade County, Georgia	0.000

Cuyahoga County, Ohio

Daggett County, Utah

Daniels County, Montana

Darke County, Ohio

- Dakota County, Minnesota 0.000
- Dakota County, Nebraska 0.002
- Dale County, Alabama0.000Dallas County, Alabama0.000
- Dallas County, Arkansas 0.000
- Dallas County, Iowa 0.000
- Dane County, Wisconsin 0.000
- Danville city, Virginia 0.000
- Dare County, North Carolina 0.000
- Dauphin County, Pennsylvania 0.000
- Davidson County, North Carolina 0.000
- Davidson County, Tennessee 0.000
- Davie County, North Carolina 0.000
- Daviess County, Indiana Daviess County, Kentucky Davis County, Iowa
- Davis County, Utah0.001Davison County, South Dakota0.000Dawes County, Nebraska0.000
- Dawson County, Georgia 0.000

Dawson County, Montana 0.000

0.002

0.000

0.000

0.000

Dawson County, Nebraska

DeKalb County, Georgia

Defiance County, Ohio

Delaware County, Pennsylvania

- Day County, South Dakota 0.000
- De Soto Parish, Louisiana 0.000
- DeKalb County, Alabama 0.001 0.000
- DeKalb County, Indiana 0.000
- DeKalb County, Tennessee 0.000
- DeSoto County, Florida 0.001
- DeSoto County, Mississippi 0.000
- Dearborn County, Indiana 0.000 0.000 Decatur County, Georgia
- Decatur County, Indiana 0.000
- 0.000 Decatur County, Iowa
- 0.000 Decatur County, Tennessee
- 0.000 Deer Lodge County, Montana
- 0.000 Delaware County, Indiana
- 0.000 Delaware County, Iowa
- Delaware County, New York 0.000
- Delaware County, Ohio
- 0.000 Delaware County, Oklahoma
- Delta County, Colorado 0.001 Delta County, Michigan 0.000
| Denver County, Colorado                    | 0.001 |
|--|-------|
| Des Moines County, Iowa                    | 0.000 |
| Desha County, Arkansas                     | 0.000 |
| Deuel County, Nebraska                     | 0.000 |
| Deuel County, South Dakota                 | 0.000 |
| Dewey County, Oklahoma                     | 0.001 |
| Dewey County, South Dakota                 | 0.000 |
| Dickenson County, Virginia                 | 0.000 |
| Dickey County, North Dakota                | 0.000 |
| Dickinson County, Iowa                     | 0.000 |
| Dickinson County, Michigan                 | 0.000 |
| Dickson County, Tennessee                  | 0.000 |
| Dinwiddie County, Virginia                 | 0.000 |
| District of Columbia, District of Columbia | 0.000 |
| Divide County, North Dakota                | 0.000 |
| Dixie County, Florida                      | 0.000 |
| Dixon County, Nebraska                     | 0.001 |
| Doddridge County, West Virginia            | 0.000 |
| Dodge County, Georgia                      | 0.000 |
| Dodge County, Minnesota                    | 0.000 |
| Dodge County, Nebraska                     | 0.000 |
| Dodge County, Wisconsin                    | 0.000 |
| Dolores County, Colorado                   | 0.000 |
| Dooly County, Georgia                      | 0.000 |
| Door County, Wisconsin                     | 0.000 |

Dorchester County, Maryland 0.000

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0.001

0.000

- Douglas County, Colorado 0.000
- Douglas County, Georgia 0.000
- Douglas County, Minnesota 0.000
- Douglas County, Nevada

Dougherty County, Georgia

Douglas County, Nebraska

- Douglas County, South Dakota 0.000
- Douglas County, Washington 0.002
- Douglas County, Wisconsin 0.000
- 0.000 Drew County, Arkansas
- 0.000 Dubois County, Indiana Dubuque County, Iowa 0.000
- 0.001 Duchesne County, Utah
- 0.000 Dukes County, Massachusetts
- Dundy County, Nebraska Dunn County, North Dakota 0.000
- 0.000 Dunn County, Wisconsin
- 0.001 Duplin County, North Carolina
- Durham County, North Carolina 0.000
- Dutchess County, New York 0.000
- Duval County, Florida Dyer County, Tennessee
  - Eagle County, Colorado Early County, Georgia

East Baton Rouge Parish, Louisiana	0.000
East Carroll Parish, Louisiana	0.000
East Feliciana Parish, Louisiana	0.000
Eaton County, Michigan	0.000
Eau Claire County, Wisconsin	0.000
Echols County, Georgia	0.003
Eddy County, North Dakota	0.000
Edgecombe County, North Carolina	0.000
Edmonson County, Kentucky	0.000
Edmunds County, South Dakota	0.000
Effingham County, Georgia	0.000
El Paso County, Colorado	0.001
Elbert County, Colorado	0.000
Elbert County, Georgia	0.000
Elk County, Pennsylvania	0.000
Elkhart County, Indiana	0.001
Elko County, Nevada	0.003
Elliott County, Kentucky	0.000
Ellis County, Oklahoma	0.001
Elmore County, Alabama	0.000
Emanuel County, Georgia	0.000
Emery County, Utah	0.001
Emmet County, Iowa	0.000
Emmet County, Michigan	0.000
Emmons County, North Dakota	0.000

- Emporia city, Virginia 0.000 Erie County, New York 0.000
- Erie County, Pennsylvania 0.000

0.000

0.001

0.000

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0.000

- Escambia County, Alabama 0.000
- Escambia County, Florida

Erie County, Ohio

Esmeralda County, Nevada

Etowah County, Alabama

- Essex County, Massachusetts 0.001
- Essex County, New Jersey 0.001
- Essex County, New York 0.000
- Essex County, Vermont 0.000
- Essex County, Virginia 0.000
- Estill County, Kentucky 0.000
- 0.001 Eureka County, Nevada
- 0.000 Evangeline Parish, Louisiana
- Evans County, Georgia 0.000
- 0.000 Fairfax County, Virginia
- Fairfax city, Virginia Fairfield County, Connecticut
- Fairfield County, Ohio
- Fall River County, South Dakota 0.000
- Fallon County, Montana Falls Church city, Virginia 0.000
- Fannin County, Georgia

Faribault County, Minnesota	0.000
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0.000

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0.000

0.000

Faulk County, South Dakota

Fayette County, Alabama

Fayette County, Tennessee

Fillmore County, Minnesota

Flagler County, Florida

- Faulkner County, Arkansas 0.000
- Fauquier County, Virginia
- Fayette County, Georgia 0.000
- Fayette County, Indiana 0.000
- Fayette County, Iowa
- Fayette County, Kentucky 0.000
- Fayette County, Ohio 0.000
- 0.000 Fayette County, Pennsylvania
- Fayette County, West Virginia 0.000
- 0.000 Fentress County, Tennessee
- 0.000 Fergus County, Montana
- 0.000 Ferry County, Washington
- 0.000 Fillmore County, Nebraska
- 0.000
- 0.000 Flathead County, Montana
- Fleming County, Kentucky 0.000
- 0.000 Florence County, Wisconsin
- Floyd County, Georgia 0.000 Floyd County, Indiana 0.000
- Floyd County, Iowa

Floyd County, Kentucky	0.000
Floyd County, Virginia	0.000
Fluvanna County, Virginia	0.000
Fond du Lac County, Wisconsin	0.000
Forest County, Pennsylvania	0.000
Forest County, Wisconsin	0.000
Forrest County, Mississippi	0.000
Forsyth County, Georgia	0.001
Forsyth County, North Carolina	0.000
Foster County, North Dakota	0.000
Fountain County, Indiana	0.000
Franklin County, Alabama	0.001
Franklin County, Arkansas	0.000
Franklin County, Florida	0.000
Franklin County, Georgia	0.000
Franklin County, Indiana	0.000
Franklin County, Iowa	0.000
Franklin County, Kentucky	0.000
Franklin County, Maine	0.000
Franklin County, Massachusetts	0.000
Franklin County, Mississippi	0.000
Franklin County, Nebraska	0.000
Franklin County, New York	0.000
Franklin County, North Carolina	0.000
Franklin County, Ohio	0.000

Franklin County, Pennsylvania	0.000

Franklin County, Vermont 0.000

0.000

0.000

0.000

0.000

0.000

- Franklin County, Virginia 0.000
- Franklin County, Washington 0.003
- Franklin city, Virginia

Franklin County, Tennessee

Franklin Parish, Louisiana

Fremont County, Wyoming

- Frederick County, Maryland 0.000
- Frederick County, Virginia 0.000
- Fredericksburg city, Virginia 0.000
- Freeborn County, Minnesota
- Fremont County, Colorado 0.001
- Fremont County, Iowa 0.000
- Frontier County, Nebraska 0.000
- Fulton County, Arkansas 0.000
- Fulton County, Georgia 0.000
- Fulton County, Indiana0.000Fulton County, Kentucky0.000
- Fulton County, New York 0.000
- Fulton County, Ohio 0.000
- Fulton County, Pennsylvania 0.000
- Furnas County, Nebraska0.000Gadsden County, Florida0.000
- Gage County, Nebraska 0.000

Galax city, Virginia 0.001

0.000

0.000

0.000

0.000

0.000

Gallatin County, Kentucky

Garfield County, Washington

- Gallatin County, Montana 0.000
- Gallia County, Ohio 0.000
- Garden County, Nebraska Garfield County, Colorado 0.001
- Garfield County, Montana 0.000
- Garfield County, Nebraska 0.000
- Garfield County, Oklahoma 0.001
- Garfield County, Utah 0.001
- Garland County, Arkansas 0.000
- Garrard County, Kentucky 0.000
- 0.000 Garrett County, Maryland
- 0.000 Garvin County, Oklahoma
- 0.000 Gaston County, North Carolina
- Gates County, North Carolina 0.000
- Geauga County, Ohio 0.000 Genesee County, Michigan
- Genesee County, New York 0.000
- Geneva County, Alabama 0.000
- 0.000 George County, Mississippi
- Gibson County, Indiana 0.000 Gibson County, Tennessee 0.000
- Gilchrist County, Florida

Giles County, Tennessee	0.000
Giles County, Virginia	0.000
Gilmer County, Georgia	0.001
Gilmer County, West Virginia	0.000
Gilpin County, Colorado	0.000
Glacier County, Montana	0.000
Glades County, Florida	0.001
Gladwin County, Michigan	0.000
Glascock County, Georgia	0.000
Gloucester County, New Jersey	0.000
Gloucester County, Virginia	0.000
Glynn County, Georgia	0.000
Gogebic County, Michigan	0.000
Golden Valley County, Montana	0.000
Golden Valley County, North Dakota	0.000
Goochland County, Virginia	0.000
Goodhue County, Minnesota	0.000
Gordon County, Georgia	0.001
Goshen County, Wyoming	0.001
Gosper County, Nebraska	0.000
Grady County, Georgia	0.000
Grady County, Oklahoma	0.000
Grafton County, New Hampshire	0.000
Graham County, North Carolina	0.000
Grainger County, Tennessee	0.000

Grand County, Colorado	0.000
Grand County, Utah	0.000
Grand Forks County, North Dakota	0.000
Grand Isle County, Vermont	0.000
Grand Traverse County, Michigan	0.000
Granite County, Montana	0.000
Grant County, Arkansas	0.000
Grant County, Indiana	0.000
Grant County, Kentucky	0.000
Grant County, Minnesota	0.000
Grant County, Nebraska	0.000
Grant County, North Dakota	0.000
Grant County, Oklahoma	0.000
Grant County, South Dakota	0.000
Grant County, Washington	0.003
Grant County, West Virginia	0.000
Grant County, Wisconsin	0.000
Grant Parish, Louisiana	0.000
Granville County, North Carolina	0.000
Gratiot County, Michigan	0.000
Graves County, Kentucky	0.000
Grays Harbor County, Washington	0.000
Grayson County, Kentucky	0.000
Grayson County, Virginia	0.000
Greeley County, Nebraska	0.000

Green County, Kentucky	0.000
Green County, Wisconsin	0.000
Green Lake County, Wisconsin	0.000
Greenbrier County, West Virginia	0.000
Greene County, Alabama	0.000
Greene County, Arkansas	0.000
Greene County, Georgia	0.000
Greene County, Indiana	0.000
Greene County, Iowa	0.000
Greene County, Mississippi	0.000
Greene County, New York	0.000
Greene County, North Carolina	0.001
Greene County, Ohio	0.000
Greene County, Pennsylvania	0.000
Greene County, Tennessee	0.000
Greene County, Virginia	0.000
Greensville County, Virginia	0.000
Greenup County, Kentucky	0.000
Greer County, Oklahoma	0.001
Gregory County, South Dakota	0.000
Grenada County, Mississippi	0.000
Griggs County, North Dakota	0.000
Grundy County, Iowa	0.000
Grundy County, Tennessee	0.000
Guernsey County, Ohio	0.000

0.000

0.000

0.000

0.000

0.000

Gulf County, Florida

Haakon County, South Dakota

- Gunnison County, Colorado 0.000
- Guthrie County, Iowa 0.000
- Gwinnett County, Georgia 0.001
- Habersham County, Georgia 0.001
- Hale County, Alabama0.000Halifax County, North Carolina0.000
- Halifax County, Virginia 0.000
- Hall County, Georgia 0.002
- Hall County, Nebraska0.001
- Hamblen County, Tennessee 0.001
- Hamilton County, Florida0.000Hamilton County, Indiana0.000
- Hamilton County, Iowa 0.000
- Hamilton County, Nebraska 0.000
- Hamilton County, New York0.000
- Hamilton County, Ohio Hamilton County, Tennessee
- Hamlin County, South Dakota0.000Hampden County, Massachusetts0.001Hampshire County, Massachusetts0.000Hampshire County, West Virginia0.000
- Hampton city, Virginia

0.000

0.000

0.000

Hancock County, Georgia	0.000
Hancock County, Indiana	0.000

Hancock County, Iowa

Hancock County, Ohio

Hardin County, Iowa

- Hancock County, Kentucky 0.000
- Hancock County, Maine 0.000
- Hancock County, Mississippi 0.000
- Hancock County, Tennessee 0.000
- Hancock County, West Virginia 0.000
- Hand County, South Dakota 0.000
- Hanover County, Virginia 0.000 Hanson County, South Dakota 0.000
- Haralson County, Georgia 0.000
- 0.002 Hardee County, Florida
- 0.000 Hardeman County, Tennessee
- Hardin County, Kentucky 0.000
- 0.000 Hardin County, Ohio
- 0.000 Hardin County, Tennessee
- Harding County, South Dakota 0.000
- Hardy County, West Virginia 0.000
- Harford County, Maryland 0.000 Harlan County, Kentucky 0.000
- Harlan County, Nebraska 0.000 Harmon County, Oklahoma 0.002

Harnett County, North Carolina 0.001

0.002

0.000

Harper County, Oklahoma

- Harris County, Georgia 0.000
- Harrison County, Indiana 0.000
- Harrison County, Iowa 0.000 Harrison County, Kentucky 0.000
- Harrison County, Mississippi 0.000
- Harrison County, Ohio 0.000
- Harrison County, West Virginia 0.000
- Harrisonburg city, Virginia 0.002 0.000 Hart County, Georgia
- 0.000 Hart County, Kentucky
- Hartford County, Connecticut 0.000
- Haskell County, Oklahoma 0.000 0.000 Hawkins County, Tennessee
- 0.001 Hayes County, Nebraska Haywood County, North Carolina 0.000
- 0.000 Haywood County, Tennessee Heard County, Georgia 0.000
- Hempstead County, Arkansas 0.000 Henderson County, Kentucky 0.000
- Henderson County, North Carolina 0.000 Henderson County, Tennessee 0.000
- Hendricks County, Indiana Hendry County, Florida 0.002

0.000

0.000

0.000

Hennepin County, Minnesota 0.000

Henrico County, Virginia

Henry County, Iowa

Hernando County, Florida

- Henry County, Alabama 0.000
- Henry County, Georgia 0.000
- Henry County, Indiana 0.000
- Henry County, Kentucky 0.000
- Henry County, Ohio
- Henry County, Tennessee 0.000
- Henry County, Virginia 0.000
- Herkimer County, New York 0.000
- Hertford County, North Carolina 0.000
- Hettinger County, North Dakota 0.000
- Hickman County, Kentucky 0.000
- Hickman County, Tennessee 0.000
- Highland County, Ohio0.000Highland County, Virginia0.000Highlands County, Florida0.001Hill County, Montana0.000
- Hillsborough County, Florida0.001Hillsborough County, New Hampshire0.000Hillsdale County, Michigan0.000Hinds County, Mississippi0.000
- Hinsdale County, Colorado 0.000

Hitchcock County, Nebraska	0.000
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0.000

0.000

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0.001

- Hoke County, North Carolina 0.000
- Holmes County, Florida 0.000
- Holmes County, Mississippi 0.000
- Holmes County, Ohio Holt County, Nebraska

Hocking County, Ohio

Houston County, Alabama

- Hooker County, Nebraska 0.000
- Hopewell city, Virginia 0.000
- Hopkins County, Kentucky 0.000
- Hot Spring County, Arkansas 0.000
- Hot Springs County, Wyoming0.000
- Houghton County, Michigan 0.000
- Houston County, Georgia 0.000
- Houston County, Minnesota 0.000
- Houston County, Tennessee 0.000
- Howard County, Arkansas 0.000
- Howard County, Indiana 0.000
- Howard County, Iowa 0.000
- Howard County, Maryland 0.000
- Howard County, Nebraska0.000Hubbard County, Minnesota0.000
- Hudson County, New Jersey 0.001
- Huerfano County, Colorado

Hughes County, Oklahoma	0.000
Hughes County, South Dakota	0.000
Humboldt County, Iowa	0.000
Humboldt County, Nevada	0.002
Humphreys County, Mississippi	0.000
Humphreys County, Tennessee	0.000
Hunterdon County, New Jersey	0.000
Huntingdon County, Pennsylvania	0.000
Huntington County, Indiana	0.000
Huron County, Michigan	0.000
Huron County, Ohio	0.000
Hutchinson County, South Dakota	0.000
Hyde County, North Carolina	0.000
Hyde County, South Dakota	0.000
Iberia Parish, Louisiana	0.000
Iberville Parish, Louisiana	0.000
Ida County, Iowa	0.000
Independence County, Arkansas	0.000
Indian River County, Florida	0.000
Indiana County, Pennsylvania	0.000
Ingham County, Michigan	0.000
Ionia County, Michigan	0.000
Iosco County, Michigan	0.000
Iowa County, Iowa	0.000
Iowa County, Wisconsin	0.000

Iredell County, North Carolina	0.000
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0.000

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0.000

Iron County, Michigan

Jackson County, Alabama

- Iron County, Utah 0.001
- Iron County, Wisconsin 0.000
- Irwin County, Georgia 0.000 Isabella County, Michigan 0.000
- Isanti County, Minnesota 0.000
- Island County, Washington 0.000
- Isle of Wight County, Virginia 0.000 Issaquena County, Mississippi 0.000
- Itasca County, Minnesota 0.000
- Itawamba County, Mississippi 0.000
- Izard County, Arkansas 0.000
- 0.000 Jackson County, Arkansas
- 0.001 Jackson County, Colorado
- Jackson County, Florida 0.000 Jackson County, Georgia
- 0.000 Jackson County, Indiana
- Jackson County, Iowa 0.000
- Jackson County, Kentucky 0.000
- Jackson County, Michigan 0.000
- Jackson County, Minnesota 0.000 Jackson County, Mississippi 0.000
- Jackson County, North Carolina

Jackson County, Ohio	0.0	00

0.000

0.000

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0.000

0.000

- Jackson County, South Dakota 0.000
- Jackson County, Tennessee 0.000
- Jackson County, West Virginia 0.000
- Jackson County, Wisconsin Jackson Parish, Louisiana

Jackson County, Oklahoma

- James City County, Virginia 0.000
- Jasper County, Georgia 0.000
- Jasper County, Indiana 0.000
- 0.000 Jasper County, Iowa Jasper County, Mississippi 0.000
- Jay County, Indiana 0.000
- 0.000 Jeff Davis County, Georgia
- 0.000 Jefferson County, Alabama
- Jefferson County, Arkansas Jefferson County, Colorado 0.000
- 0.000 Jefferson County, Florida
- 0.000 Jefferson County, Georgia
- 0.000 Jefferson County, Indiana
- Jefferson County, Iowa
- Jefferson County, Kentucky 0.000
- Jefferson County, Mississippi
- Jefferson County, Montana 0.000 Jefferson County, Nebraska 0.000

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0.000

Jefferson County, New York 0.000

Jefferson County, Ohio

Jefferson County, Pennsylvania

Jefferson County, West Virginia

Jefferson Parish, Louisiana

Jerauld County, South Dakota

- Jefferson County, Oklahoma 0.001
- Jefferson County, Tennessee 0.000
- Jefferson County, Washington 0.000
- Jefferson County, Wisconsin 0.000
- Jefferson Davis County, Mississippi 0.000
- Jefferson Davis Parish, Louisiana 0.000
- Jenkins County, Georgia 0.000
- Jennings County, Indiana 0.000
- Jessamine County, Kentucky 0.000
- Johnson County, Arkansas 0.001
- Johnson County, Georgia 0.000
- Johnson County, Indiana 0.000
- Johnson County, Iowa 0.000
- Johnson County, Kentucky 0.000
- Johnson County, Nebraska 0.000
- Johnson County, Tennessee0.000Johnson County, Wyoming0.000
- Johnston County, North Carolina0.001Johnston County, Oklahoma0.000

Jones County, Georgia	0.000
Jones County, Iowa	0.000
Jones County, Mississippi	0.000
Jones County, North Carolina	0.000
Jones County, South Dakota	0.000
Juab County, Utah	0.001
Judith Basin County, Montana	0.000
Juneau County, Wisconsin	0.000
Juniata County, Pennsylvania	0.000
Kalamazoo County, Michigan	0.000
Kalkaska County, Michigan	0.000
Kanabec County, Minnesota	0.000
Kanawha County, West Virginia	0.000
Kandiyohi County, Minnesota	0.000
Kane County, Utah	0.000
Kay County, Oklahoma	0.000
Kearney County, Nebraska	0.000
Keith County, Nebraska	0.000
Kemper County, Mississippi	0.000
Kennebec County, Maine	0.000
Kenosha County, Wisconsin	0.000
Kent County, Delaware	0.000
Kent County, Maryland	0.000
Kent County, Michigan	0.000
Kent County, Rhode Island	0.000

Kenton County, Kentucky	0.000
Keokuk County, Iowa	0.000
Kewaunee County, Wisconsin	0.000
Keweenaw County, Michigan	0.000
Keya Paha County, Nebraska	0.000
Kidder County, North Dakota	0.000
Kimball County, Nebraska	0.001
King County, Washington	0.000
King George County, Virginia	0.000
King William County, Virginia	0.000
King and Queen County, Virginia	0.000
Kingfisher County, Oklahoma	0.001
Kings County, New York	0.000
Kingsbury County, South Dakota	0.000
Kiowa County, Colorado	0.000
Kiowa County, Oklahoma	0.000
Kit Carson County, Colorado	0.001
Kitsap County, Washington	0.000
Kittitas County, Washington	0.000
Kittson County, Minnesota	0.000
Klickitat County, Washington	0.000
Knott County, Kentucky	0.000
Knox County, Indiana	0.000
Knox County, Kentucky	0.000
Knox County, Maine	0.000

Knox County, Nebraska	0.000
Knox County, Ohio	0.000
Knox County, Tennessee	0.000
Koochiching County, Minnesota	0.000
Kosciusko County, Indiana	0.001
Kossuth County, Iowa	0.000
La Crosse County, Wisconsin	0.000
La Plata County, Colorado	0.000
LaGrange County, Indiana	0.000
LaMoure County, North Dakota	0.000
LaPorte County, Indiana	0.000
LaSalle Parish, Louisiana	0.000
Lac qui Parle County, Minnesota	0.000
Lackawanna County, Pennsylvania	0.000
Lafayette County, Arkansas	0.000
Lafayette County, Florida	0.001
Lafayette County, Mississippi	0.000
Lafayette County, Wisconsin	0.000
Lafayette Parish, Louisiana	0.000
Lafourche Parish, Louisiana	0.000
Lake County, Colorado	0.002
Lake County, Florida	0.001
Lake County, Indiana	0.001
Lake County, Michigan	0.000
Lake County, Minnesota	0.000

Lake County, Montana	0.000
Lake County, Ohio	0.000
Lake County, South Dakota	0.000
Lake County, Tennessee	0.000
Lake of the Woods County, Minnesota	0.000
Lamar County, Alabama	0.000
Lamar County, Georgia	0.000
Lamar County, Mississippi	0.000
Lamoille County, Vermont	0.000
Lancaster County, Nebraska	0.000
Lancaster County, Pennsylvania	0.000
Lancaster County, Virginia	0.000
Lander County, Nevada	0.002
Langlade County, Wisconsin	0.000
Lanier County, Georgia	0.000
Lapeer County, Michigan	0.000
Laramie County, Wyoming	0.001
Larimer County, Colorado	0.000
Larue County, Kentucky	0.000
Las Animas County, Colorado	0.003
Latimer County, Oklahoma	0.000
Lauderdale County, Alabama	0.000
Lauderdale County, Mississippi	0.000
Lauderdale County, Tennessee	0.000
Laurel County, Kentucky	0.000

0.001

Laurens County, Georgia	0.000
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Lawrence County, Alabama

- 0.000 Lawrence County, Arkansas
- Lawrence County, Indiana 0.000
- Lawrence County, Kentucky 0.000 Lawrence County, Mississippi 0.000
- Lawrence County, Ohio 0.000
- Lawrence County, Pennsylvania 0.000
- Lawrence County, South Dakota 0.000
- Lawrence County, Tennessee 0.000
- Le Flore County, Oklahoma 0.000
- 0.000 Le Sueur County, Minnesota
- Leake County, Mississippi 0.000 0.000 Lebanon County, Pennsylvania
- 0.000 Lee County, Alabama
- 0.000 Lee County, Arkansas
- Lee County, Florida 0.000
- Lee County, Georgia 0.000
- Lee County, Kentucky 0.000
- Lee County, Mississippi 0.000
- 0.001 Lee County, North Carolina
- Lee County, Virginia 0.000 Leelanau County, Michigan 0.000
- Leflore County, Mississippi 0.000

Lee County, Iowa

Lehigh County, Pennsylvania 0.001

0.000

0.000

0.002

Lenoir County, North Carolina 0.000

Lenawee County, Michigan

Letcher County, Kentucky

Lexington city, Virginia

- Leon County, Florida 0.000
- Leslie County, Kentucky 0.000
- Levy County, Florida 0.000
- Lewis County, Kentucky 0.000
- Lewis County, New York 0.000
- Lewis County, Tennessee0.000Lewis County, Washington0.000
- Lewis County, West Virginia 0.000
- Lewis and Clark County, Montana 0.000
- Liberty County, Florida 0.000
- Liberty County, Georgia 0.001
- Liberty County, Montana 0.000
- Licking County, Ohio0.000Limestone County, Alabama0.000
- Limestone County, Alabama0.000Lincoln County, Arkansas0.000
- Lincoln County, Arkansas0.000Lincoln County, Colorado0.001
- Lincoln County, Georgia 0.000
- Lincoln County, Kentucky0.000Lincoln County, Maine0.000
- Lincoln County, Minnesota 0.000

Lincoln County, Mississippi	0.000

0.000

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0.000

- Lincoln County, Nebraska 0.001
- Lincoln County, Nevada 0.001
- Lincoln County, North Carolina 0.000
- Lincoln County, Oklahoma

Lincoln County, Montana

Little River County, Arkansas

- Lincoln County, South Dakota Lincoln County, Tennessee 0.000
- Lincoln County, Washington 0.000
- Lincoln County, West Virginia 0.000
- Lincoln County, Wisconsin 0.000 0.000 Lincoln County, Wyoming
- Lincoln Parish, Louisiana 0.000
- 0.000 Linn County, Iowa
- 0.000 Litchfield County, Connecticut
- Livingston County, Kentucky 0.000
- 0.000 Livingston County, Michigan
- 0.000 Livingston County, New York
- 0.000 Livingston Parish, Louisiana
- Logan County, Arkansas
- 0.001 Logan County, Colorado
- 0.000 Logan County, Kentucky Logan County, Nebraska 0.000
- 0.000 Logan County, North Dakota

Logan County, Ohio 0.0	00
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Logan County, Oklahoma

Lorain County, Ohio

Lowndes County, Georgia

Luce County, Michigan

- Logan County, West Virginia 0.000
- Long County, Georgia 0.001
- Lonoke County, Arkansas 0.000
- Loudon County, Tennessee 0.000
- Loudoun County, Virginia 0.000
- Louisa County, Iowa 0.001
- Louisa County, Virginia 0.000
- Loup County, Nebraska 0.000
- Love County, Oklahoma 0.001
- Lowndes County, Alabama 0.000
- Lowndes County, Mississippi 0.000
- Lucas County, Iowa 0.000
- Lucas County, Ohio 0.000
- Lumpkin County, Georgia 0.000
- Lunenburg County, Virginia 0.000
- Luzerne County, Pennsylvania 0.000
- Lycoming County, Pennsylvania 0.000
- Lyman County, South Dakota0.000Lynchburg city, Virginia0.000
- Lyon County, Iowa

Lyon County, Kentucky	0.000
Lyon County, Minnesota	0.000
Lyon County, Nevada	0.001
Mackinac County, Michigan	0.000
Macomb County, Michigan	0.000
Macon County, Alabama	0.000
Macon County, Georgia	0.000
Macon County, North Carolina	0.000
Macon County, Tennessee	0.000
Madison County, Alabama	0.000
Madison County, Arkansas	0.000
Madison County, Florida	0.000
Madison County, Georgia	0.000
Madison County, Indiana	0.000
Madison County, Iowa	0.000
Madison County, Kentucky	0.000
Madison County, Mississippi	0.000
Madison County, Montana	0.000
Madison County, Nebraska	0.001
Madison County, New York	0.000
Madison County, North Carolina	0.000
Madison County, Ohio	0.000
Madison County, Tennessee	0.000
Madison County, Virginia	0.000
Madison Parish, Louisiana	0.000

Magoffin County, Kentucky	0.000
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0.001

0.000

0.000

Mahaska County, Iowa

Manassas Park city, Virginia

Marion County, Alabama

- Mahnomen County, Minnesota 0.000
- Mahoning County, Ohio 0.000
- Major County, Oklahoma 0.001
- Manassas city, Virginia 0.001
- Manatee County, Florida 0.001
- Manistee County, Michigan 0.000
- Manitowoc County, Wisconsin 0.000
- Marathon County, Wisconsin 0.000
- 0.000 Marengo County, Alabama
- Marinette County, Wisconsin 0.000
- 0.000 Marion County, Arkansas
- 0.000 Marion County, Florida
- Marion County, Georgia 0.000
- 0.000 Marion County, Indiana
- 0.000 Marion County, Iowa
- 0.000 Marion County, Kentucky
- Marion County, Mississippi 0.000
- 0.000 Marion County, Ohio Marion County, Tennessee 0.000
- 0.000 Marion County, West Virginia Marquette County, Michigan

0.000

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0.001

Marquette County, Wisconsin	0.000

Marshall County, Alabama

Marshall County, Minnesota

- Marshall County, Indiana 0.000
- Marshall County, Iowa 0.001
- Marshall County, Kentucky 0.000
- Marshall County, Mississippi 0.000
- Marshall County, Oklahoma 0.001
- Marshall County, South Dakota 0.000
- Marshall County, Tennessee 0.000
- Marshall County, West Virginia 0.000
- Martin County, Florida 0.001 Martin County, Indiana 0.000
- 0.000 Martin County, Kentucky
- 0.000 Martin County, Minnesota
- 0.000 Martin County, North Carolina
- Martinsville city, Virginia 0.000 Mason County, Kentucky
- 0.000 Mason County, Michigan
- Mason County, Washington 0.000
- Mason County, West Virginia 0.000
- 0.000 Mathews County, Virginia
- Maury County, Tennessee 0.000 Mayes County, Oklahoma 0.000
- McClain County, Oklahoma

McCone County, Montana	0.000
McCook County, South Dakota	0.000
McCracken County, Kentucky	0.000
McCreary County, Kentucky	0.000
McCurtain County, Oklahoma	0.000
McDowell County, North Carolina	0.000
McDowell County, West Virginia	0.000
McDuffie County, Georgia	0.000
McHenry County, North Dakota	0.000
McIntosh County, Georgia	0.000
McIntosh County, North Dakota	0.000
McIntosh County, Oklahoma	0.000
McKean County, Pennsylvania	0.000
McKenzie County, North Dakota	0.000
McLean County, Kentucky	0.000
McLean County, North Dakota	0.000
McLeod County, Minnesota	0.000
McMinn County, Tennessee	0.000
McNairy County, Tennessee	0.000
McPherson County, Nebraska	0.000
McPherson County, South Dakota	0.000
Meade County, Kentucky	0.000
Meade County, South Dakota	0.000
Meagher County, Montana	0.000
Mecklenburg County, North Carolina	0.000

0.000

0.000

0.000

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0.000

0.000

Mecklenburg County, Virginia	0.000

Mecosta County, Michigan

Meigs County, Tennessee

- Medina County, Ohio 0.000
- Meeker County, Minnesota 0.000
- Meigs County, Ohio 0.000 0.000
- Mellette County, South Dakota 0.000
- Menifee County, Kentucky 0.000
- Menominee County, Michigan 0.000 Menominee County, Wisconsin 0.000
- Mercer County, Kentucky 0.000
- Mercer County, New Jersey 0.000
- Mercer County, North Dakota 0.000
- 0.000 Mercer County, Ohio 0.000 Mercer County, Pennsylvania
- Mercer County, West Virginia Meriwether County, Georgia
- Merrick County, Nebraska Merrimack County, New Hampshire
- Mesa County, Colorado 0.001 Metcalfe County, Kentucky 0.000 Miami County, Indiana 0.000 Miami County, Ohio 0.000
- Miami-Dade County, Florida Middlesex County, Connecticut

Middlesex County, Massachusetts	0.000

0.000

0.000

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0.000

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Middlesex County, New Jersey

- Middlesex County, Virginia 0.000
- Midland County, Michigan 0.000
- Mifflin County, Pennsylvania 0.000
- Millard County, Utah0.002Mille Lacs County, Minnesota0.000
- Miller County, Arkansas 0.000
- Miller County, Georgia0.000Mills County, Iowa0.000
- Mills County, Iowa0.000Milwaukee County, Wisconsin0.000
- Miner County, South Dakota 0.000
- Mineral County, Colorado 0.000
- Mineral County, Montana 0.000
- Mineral County, Nevada0.000Mineral County, West Virginia0.000
- Mingo County, West Virginia0.000Minnehaha County, South Dakota0.000Missaukee County, Michigan0.000
- Mississippi County, Arkansas Missoula County, Montana Mitchell County, Georgia
- Mitchell County, Iowa Mitchell County, North Carolina
- Mobile County, Alabama

Moffat County, Colorado	0.001
Monmouth County, New Jersey	0.000
Monona County, Iowa	0.000
Monongalia County, West Virginia	0.000
Monroe County, Alabama	0.000
Monroe County, Arkansas	0.000
Monroe County, Florida	0.001
Monroe County, Georgia	0.000
Monroe County, Indiana	0.000
Monroe County, Iowa	0.000
Monroe County, Kentucky	0.000
Monroe County, Michigan	0.000
Monroe County, Mississippi	0.000
Monroe County, New York	0.000
Monroe County, Ohio	0.000
Monroe County, Pennsylvania	0.001
Monroe County, Tennessee	0.000
Monroe County, West Virginia	0.000
Monroe County, Wisconsin	0.000
Montcalm County, Michigan	0.000
Montezuma County, Colorado	0.001
Montgomery County, Alabama	0.000
Montgomery County, Arkansas	0.000
Montgomery County, Georgia	0.000
Montgomery County, Indiana	0.000

Montgomery County, Iowa	0.000
Montgomery County, Kentucky	0.000
Montgomery County, Maryland	0.000
Montgomery County, Mississippi	0.000
Montgomery County, New York	0.000
Montgomery County, North Carolina	0.001
Montgomery County, Ohio	0.000
Montgomery County, Pennsylvania	0.000
Montgomery County, Tennessee	0.000
Montgomery County, Virginia	0.000
Montmorency County, Michigan	0.000
Montour County, Pennsylvania	0.000
Montrose County, Colorado	0.001
Moody County, South Dakota	0.000
Moore County, North Carolina	0.000
Moore County, Tennessee	0.000
Morehouse Parish, Louisiana	0.000
Morgan County, Alabama	0.000
Morgan County, Colorado	0.002
Morgan County, Georgia	0.000
Morgan County, Indiana	0.000
Morgan County, Kentucky	0.000
Morgan County, Ohio	0.000
Morgan County, Tennessee	0.000
Morgan County, Utah	0.000
Morgan County, West Virginia	0.000
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Morrill County, Nebraska

- Morris County, New Jersey 0.000
- Morrison County, Minnesota 0.000
- Morrow County, Ohio 0.000 Morton County, North Dakota 0.000
- Mountrail County, North Dakota 0.000
- Mower County, Minnesota 0.000
- Muhlenberg County, Kentucky 0.000
- Murray County, Georgia 0.001 Murray County, Minnesota 0.000
- 0.000 Murray County, Oklahoma
- Muscatine County, Iowa 0.001
- 0.000 Muscogee County, Georgia
- 0.000 Muskegon County, Michigan
- 0.000 Muskingum County, Ohio Muskogee County, Oklahoma 0.000
- 0.000 Musselshell County, Montana
- Nance County, Nebraska Nantucket County, Massachusetts
- Nash County, North Carolina Nassau County, Florida
- Nassau County, New York Natchitoches Parish, Louisiana
- Natrona County, Wyoming

Nelson County, Kentucky	0.000
Nelson County, North Dakota	0.000
Nelson County, Virginia	0.000
Nemaha County, Nebraska	0.000
Neshoba County, Mississippi	0.000
Nevada County, Arkansas	0.000
New Castle County, Delaware	0.000
New Hanover County, North Carolina	0.000
New Haven County, Connecticut	0.000
New Kent County, Virginia	0.000
New London County, Connecticut	0.000
New York County, New York	0.001
Newaygo County, Michigan	0.000
Newport County, Rhode Island	0.000
Newport News city, Virginia	0.000
Newton County, Arkansas	0.000
Newton County, Georgia	0.000
Newton County, Indiana	0.000
Newton County, Mississippi	0.000
Niagara County, New York	0.000
Nicholas County, Kentucky	0.000
Nicholas County, West Virginia	0.000
Nicollet County, Minnesota	0.000
Niobrara County, Wyoming	0.000
Noble County, Indiana	0.001

Noble County, Ohio	0.000
Noble County, Oklahoma	0.000
Nobles County, Minnesota	0.001
Norfolk County, Massachusetts	0.000
Norfolk city, Virginia	0.000
Norman County, Minnesota	0.000
Northampton County, North Carolina	0.000
Northampton County, Pennsylvania	0.000
Northampton County, Virginia	0.000
Northumberland County, Pennsylvania	0.000
Northumberland County, Virginia	0.000
Norton city, Virginia	0.000
Nottoway County, Virginia	0.000
Nowata County, Oklahoma	0.000
Noxubee County, Mississippi	0.000
Nuckolls County, Nebraska	0.000
Nye County, Nevada	0.001
O'Brien County, Iowa	0.000
Oakland County, Michigan	0.000
Obion County, Tennessee	0.000
Ocean County, New Jersey	0.000
Oceana County, Michigan	0.001
Oconee County, Georgia	0.000
Oconto County, Wisconsin	0.000
Ogemaw County, Michigan	0.000

Oglethorpe County, Georgia	0.	000

0.000

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0.000

Ohio County, Indiana

- Ohio County, Kentucky 0.000
- Ohio County, West Virginia0.000Okaloosa County, Florida0.000
- Okanogan County, Washington 0.001
- Okeechobee County, Florida 0.001
- Okfuskee County, Oklahoma 0.000
- Oklahoma County, Oklahoma 0.001
- Okmulgee County, Oklahoma 0.000
- Oktibbeha County, Mississippi 0.000
- Oldham County, Kentucky0.000Oliver County, North Dakota0.000
- Olmsted County, Minnesota 0.000
- Oneida County, New York 0.000
- Oneida County, Wisconsin0.000Onondaga County, New York0.000
- Onslow County, North Carolina0.001Ontario County, New York0.000
- Ontonagon County, Michigan Orange County, Florida
- Orange County, Indiana0.000Orange County, New York0.001Orange County, North Carolina0.000
- Orange County, Vermont

Orange County, Virginia	0.000

0.000

0.000

0.000

0.000

Orleans County, New York

Otsego County, New York

- Orleans County, Vermont Orleans Parish, Louisiana 0.000
- Osage County, Oklahoma 0.000
- Osceola County, Florida 0.002
- Osceola County, Iowa 0.000
- Osceola County, Michigan Oscoda County, Michigan 0.000
- Oswego County, New York 0.000
- Otero County, Colorado 0.002
- 0.000 Otoe County, Nebraska
- Otsego County, Michigan 0.000
- 0.000 Ottawa County, Michigan
- 0.000 Ottawa County, Ohio
- Ottawa County, Oklahoma 0.000
- 0.000 Otter Tail County, Minnesota
- 0.000 Ouachita County, Arkansas
- Ouachita Parish, Louisiana 0.000
- Ouray County, Colorado
- 0.000 Outagamie County, Wisconsin
- Overton County, Tennessee 0.000 Owen County, Indiana 0.000
- 0.000 Owen County, Kentucky

Owsley County, Kentucky	0.000

0.000

0.000

0.000

0.000

Oxford County, Maine

Park County, Colorado

Payne County, Oklahoma

- Ozaukee County, Wisconsin 0.000
- Pacific County, Washington 0.000
- Page County, Iowa Page County, Virginia 0.000
- Palm Beach County, Florida 0.001
- Palo Alto County, Iowa 0.000
- Pamlico County, North Carolina 0.000
- Panola County, Mississippi 0.000
- 0.000 Park County, Montana
- Park County, Wyoming 0.000
- Parke County, Indiana 0.000 Pasco County, Florida
- 0.000 Pasquotank County, North Carolina
- Passaic County, New Jersey 0.001
- 0.000 Patrick County, Virginia
- Paulding County, Georgia 0.000
- Paulding County, Ohio 0.000 Pawnee County, Nebraska 0.000 Pawnee County, Oklahoma 0.000
- Peach County, Georgia 0.000 Pearl River County, Mississippi 0.000

Pembina County, North Dakota	0.000
Pend Oreille County, Washington	0.000
Pender County, North Carolina	0.000
Pendleton County, Kentucky	0.000
Pendleton County, West Virginia	0.000
Pennington County, Minnesota	0.000
Pennington County, South Dakota	0.000
Penobscot County, Maine	0.000
Pepin County, Wisconsin	0.000
Perkins County, Nebraska	0.001
Perkins County, South Dakota	0.000
Perquimans County, North Carolina	0.000
Perry County, Alabama	0.000
Perry County, Arkansas	0.000
Perry County, Indiana	0.000
Perry County, Kentucky	0.000
Perry County, Mississippi	0.000
Perry County, Ohio	0.000
Perry County, Pennsylvania	0.000
Perry County, Tennessee	0.000
Pershing County, Nevada	0.001
Person County, North Carolina	0.000
Petersburg city, Virginia	0.000
Petroleum County, Montana	0.000
Phelps County, Nebraska	0.001

Philadelphia County, Pennsylvania	0.000
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0.000

0.000

0.000

Phillips County, Arkansas

Pike County, Alabama

- Phillips County, Colorado 0.001
- Phillips County, Montana 0.000
- Pickaway County, Ohio Pickens County, Alabama 0.000
- Pickens County, Georgia 0.000
- Pickett County, Tennessee Pierce County, Georgia 0.000
- Pierce County, Nebraska 0.000
- 0.000 Pierce County, North Dakota
- 0.000 Pierce County, Washington
- Pierce County, Wisconsin 0.000
- 0.001 Pike County, Arkansas
- 0.000 Pike County, Georgia
- Pike County, Indiana 0.000
- 0.000 Pike County, Kentucky 0.000
- Pike County, Mississippi Pike County, Ohio 0.000
- Pike County, Pennsylvania 0.000
- Pine County, Minnesota 0.000
- Pinellas County, Florida 0.000 Pipestone County, Minnesota 0.000
- Piscataquis County, Maine 0.000

Pitkin County, Colorado	0.000
Pitt County, North Carolina	0.000
Pittsburg County, Oklahoma	0.000
Pittsylvania County, Virginia	0.000
Piute County, Utah	0.001
Plaquemines Parish, Louisiana	0.000
Platte County, Nebraska	0.001
Platte County, Wyoming	0.000
Pleasants County, West Virginia	0.000
Plymouth County, Iowa	0.000
Plymouth County, Massachusetts	0.000
Pocahontas County, Iowa	0.000
Pocahontas County, West Virginia	0.000
Poinsett County, Arkansas	0.000
Pointe Coupee Parish, Louisiana	0.000
Polk County, Arkansas	0.000
Polk County, Florida	0.001
Polk County, Georgia	0.001
Polk County, Iowa	0.000
Polk County, Minnesota	0.000
Polk County, Nebraska	0.000
Polk County, North Carolina	0.000
Polk County, Tennessee	0.000
Polk County, Wisconsin	0.000
Pondera County, Montana	0.000

Pontotoc County, Mississippi 0.000

0.000

0.000

0.000

Pontotoc County, Oklahoma

Portage County, Ohio

Potter County, South Dakota

- Pope County, Arkansas 0.000
- Pope County, Minnesota 0.000
- Poquoson city, Virginia 0.000
- Portage County, Wisconsin 0.000
- Porter County, Indiana 0.000
- Portsmouth city, Virginia 0.000
- Posey County, Indiana0.000Pottawatomie County, Oklahoma0.000
- Pottawattamie County, Iowa 0.000
- Potter County, Pennsylvania 0.000
- Powder River County, Montana 0.000
- Powell County, Kentucky 0.000
- Powell County, Montana 0.000
- Poweshiek County, Iowa0.000Powhatan County, Virginia0.000
- Powhatan County, Virginia 0.000
- Prairie County, Arkansas0.000Prairie County, Montana0.000
- Preble County, Ohio0.000Prentiss County, Mississippi0.000
- Presque Isle County, Michigan0.000Preston County, West Virginia0.000

Price County, Wisconsin	0.000
Prince Edward County, Virginia	0.000
Prince George County, Virginia	0.000
Prince George's County, Maryland	0.000
Prince William County, Virginia	0.001
Providence County, Rhode Island	0.001
Prowers County, Colorado	0.003
Pueblo County, Colorado	0.002
Pulaski County, Arkansas	0.000
Pulaski County, Georgia	0.000
Pulaski County, Indiana	0.000
Pulaski County, Kentucky	0.000
Pulaski County, Virginia	0.000
Pushmataha County, Oklahoma	0.000
Putnam County, Florida	0.000
Putnam County, Georgia	0.000
Putnam County, Indiana	0.000
Putnam County, New York	0.000
Putnam County, Ohio	0.000
Putnam County, Tennessee	0.000
Putnam County, West Virginia	0.000
Queen Anne's County, Maryland	0.000
Queens County, New York	0.001
Quitman County, Georgia	0.000
Quitman County, Mississippi	0.000

Rabun County, Georgia	0.000
Racine County, Wisconsin	0.000
Radford city, Virginia	0.000
Raleigh County, West Virginia	0.000
Ramsey County, Minnesota	0.000
Ramsey County, North Dakota	0.000
Randolph County, Alabama	0.000
Randolph County, Arkansas	0.000
Randolph County, Georgia	0.000
Randolph County, Indiana	0.000
Randolph County, North Carolina	0.001
Randolph County, West Virginia	0.000
Rankin County, Mississippi	0.000
Ransom County, North Dakota	0.000
Rapides Parish, Louisiana	0.000
Rappahannock County, Virginia	0.000
Ravalli County, Montana	0.000
Red Lake County, Minnesota	0.000
Red River Parish, Louisiana	0.000
Red Willow County, Nebraska	0.000
Redwood County, Minnesota	0.000
Rensselaer County, New York	0.000
Renville County, Minnesota	0.000
Renville County, North Dakota	0.000
Rhea County, Tennessee	0.000

Rice County, Minnesota	0.000
Rich County, Utah	0.001
Richardson County, Nebraska	0.000
Richland County, Montana	0.000
Richland County, North Dakota	0.000
Richland County, Ohio	0.000
Richland County, Wisconsin	0.000
Richland Parish, Louisiana	0.000
Richmond County, Georgia	0.000
Richmond County, New York	0.001
Richmond County, North Carolina	0.000
Richmond County, Virginia	0.000
Richmond city, Virginia	0.000
Ringgold County, Iowa	0.000
Rio Blanco County, Colorado	0.001
Rio Grande County, Colorado	0.002
Ripley County, Indiana	0.000
Ritchie County, West Virginia	0.000
Roane County, Tennessee	0.000
Roane County, West Virginia	0.000
Roanoke County, Virginia	0.000
Roanoke city, Virginia	0.000
Roberts County, South Dakota	0.000
Robertson County, Kentucky	0.000
Robertson County, Tennessee	0.000

Robeson County, North Carolina	0.000
Rock County, Minnesota	0.000
Rock County, Nebraska	0.000
Rock County, Wisconsin	0.000
Rockbridge County, Virginia	0.000
Rockcastle County, Kentucky	0.000
Rockdale County, Georgia	0.000
Rockingham County, New Hampshire	0.000
Rockingham County, North Carolina	0.000
Rockingham County, Virginia	0.000
Rockland County, New York	0.001
Roger Mills County, Oklahoma	0.001
Rogers County, Oklahoma	0.000
Rolette County, North Dakota	0.000
Roosevelt County, Montana	0.000
Roscommon County, Michigan	0.000
Roseau County, Minnesota	0.000
Rosebud County, Montana	0.000
Ross County, Ohio	0.000
Routt County, Colorado	0.000
Rowan County, Kentucky	0.000
Rowan County, North Carolina	0.000
Rush County, Indiana	0.000
Rusk County, Wisconsin	0.000
Russell County, Alabama	0.000

Russell County, Kentucky	0.000
Russell County, Virginia	0.000
Rutherford County, North Carolina	0.000
Rutherford County, Tennessee	0.000
Rutland County, Vermont	0.000
Sabine Parish, Louisiana	0.000
Sac County, Iowa	0.000
Sagadahoc County, Maine	0.000
Saginaw County, Michigan	0.000
Saguache County, Colorado	0.001
Salem County, New Jersey	0.000
Salem city, Virginia	0.000
Saline County, Arkansas	0.000
Saline County, Nebraska	0.001
Salt Lake County, Utah	0.001
Sampson County, North Carolina	0.001
San Juan County, Colorado	0.000
San Juan County, Utah	0.000
San Juan County, Washington	0.000
San Miguel County, Colorado	0.000
Sanborn County, South Dakota	0.000
Sanders County, Montana	0.000
Sandusky County, Ohio	0.000
Sanilac County, Michigan	0.000
Sanpete County, Utah	0.089

Santa Rosa County, Florida	0.000
Santa Rosa County, 1 londa	0.000

0.000

0.000

0.000

Sarasota County, Florida

Sauk County, Wisconsin

Scott County, Arkansas

Scott County, Tennessee

- Saratoga County, New York 0.000
- Sargent County, North Dakota 0.000
- Sarpy County, Nebraska 0.000
- Saunders County, Nebraska 0.000
- Sawyer County, Wisconsin 0.000
- Schenectady County, New York 0.000
- Schley County, Georgia0.000Schoharie County, New York0.000
- Schoolcraft County, Michigan 0.000
- Schuyler County, New York 0.000
- Schuylkill County, Pennsylvania 0.000
- Scioto County, Ohio 0.000
- Scotland County, North Carolina 0.000
- Scott County, Indiana 0.000
- Scott County, Iowa 0.000
- Scott County, Kentucky 0.000
- Scott County, Minnesota 0.000
- Scott County, Mississippi 0.000
- Scott County, Virginia0.000Scotts Bluff County, Nebraska0.001

Screven County, Georgia	0.000
Searcy County, Arkansas	0.000

- Sebastian County, Arkansas0.001Sedgwick County, Colorado0.001
- Seminole County, Florida 0.001
- Seminole County, Georgia 0.000
- Seminole County, Oklahoma 0.000
- Seneca County, New York 0.000

0.001

Sequatchie County, Tennessee 0.000

Seneca County, Ohio

Sevier County, Utah

- Sequoyah County, Oklahoma 0.000
- Sevier County, Arkansas 0.002
- Sevier County, Tennessee 0.000
- Seward County, Nebraska 0.000
- Sharkey County, Mississippi 0.000
- Sharp County, Arkansas 0.000
- Shawano County, Wisconsin 0.000
- Sheboygan County, Wisconsin 0.000
- Shelby County, Alabama0.000Shelby County, Indiana0.000
- Shelby County, Iowa0.000Shelby County, Kentucky0.000
- Shelby County, Ohio0.000Shelby County, Tennessee0.000

Shenandoah County, Virginia 0.000

0.000

0.000

0.000

0.000

- Sheridan County, Montana 0.000
- Sheridan County, Nebraska 0.000
- Sheridan County, North Dakota 0.000
- Sheridan County, Wyoming Sherman County, Nebraska

Sherburne County, Minnesota

- Shiawassee County, Michigan 0.000
- Sibley County, Minnesota 0.000
- Silver Bow County, Montana 0.000
- Simpson County, Kentucky 0.000
- Simpson County, Mississippi 0.000
- Sioux County, Iowa0.001Sioux County, Nebraska0.000
- Sioux County, North Dakota 0.000
- Skagit County, Washington 0.001
- Skamania County, Washington 0.000
- Slope County, North Dakota0.000
- Smith County, Mississippi0.000Smith County, Tennessee0.000
- Smyth County, Virginia
- Snohomish County, Washington 0.000
- Snyder County, Pennsylvania0.000Somerset County, Maine0.000
- Somerset County, Maryland 0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

Somerset County, Pennsylvania

Spencer County, Kentucky

St. Clair County, Alabama

St. James Parish, Louisiana

St. Louis County, Minnesota

- Southampton County, Virginia 0.000
- Spalding County, Georgia 0.000
- Spencer County, Indiana 0.000
- Spink County, South Dakota 0.000
- Spokane County, Washington 0.000
- Spotsylvania County, Virginia 0.000
- St. Bernard Parish, Louisiana 0.000
- St. Charles Parish, Louisiana
- St. Clair County, Michigan 0.000
- St. Croix County, Wisconsin 0.000
- St. Francis County, Arkansas 0.000
- St. Helena Parish, Louisiana 0.000
- St. John the Baptist Parish, Louisiana 0.000
- St. Johns County, Florida
- St. Joseph County, Indiana
- St. Joseph County, Michigan 0.000
- St. Landry Parish, Louisiana0.000St. Lawrence County, New York0.000
- St. Lucie County, Florida 0.001

- St. Martin Parish, Louisiana 0.000
- St. Mary Parish, Louisiana 0.000

St. Mary's County, Maryland

Stanly County, North Carolina

Steele County, Minnesota

Steuben County, Indiana

St. Tammany Parish, Louisiana 0.000

0.000

0.000

0.000

0.000

0.000

- Stafford County, Virginia 0.000
- Stanley County, South Dakota 0.000
- Stanton County, Nebraska 0.000
- Stark County, North Dakota 0.000
- Stark County, Ohio 0.000
- Starke County, Indiana 0.000
- Staunton city, Virginia Stearns County, Minnesota 0.000
- 0.000
- 0.000 Steele County, North Dakota
- 0.000 Stephens County, Georgia
- Stephens County, Oklahoma 0.000
- 0.000 Steuben County, New York
- Stevens County, Minnesota 0.000
- Stevens County, Washington 0.000
- Stewart County, Georgia 0.000
- Stewart County, Tennessee 0.000 Stillwater County, Montana 0.000
- Stokes County, North Carolina

Stone County, Arkansas	0.000
Stone County, Mississippi	0.000
Storey County, Nevada	0.000
Story County, Iowa	0.000
Strafford County, New Hampshire	0.000
Stutsman County, North Dakota	0.000
Sublette County, Wyoming	0.001
Suffolk County, Massachusetts	0.001
Suffolk County, New York	0.001
Suffolk city, Virginia	0.000
Sullivan County, Indiana	0.000
Sullivan County, New Hampshire	0.000
Sullivan County, New York	0.000
Sullivan County, Pennsylvania	0.000
Sullivan County, Tennessee	0.000
Sully County, South Dakota	0.000
Summers County, West Virginia	0.000
Summit County, Colorado	0.000
Summit County, Ohio	0.000
Summit County, Utah	0.000
Sumner County, Tennessee	0.000
Sumter County, Alabama	0.000
Sumter County, Florida	0.000
Sumter County, Georgia	0.000
Sunflower County, Mississippi	0.000

Surry County, North Carolina	0.001
Surry County, Virginia	0.000
Susquehanna County, Pennsylvania	0.000
Sussex County, Delaware	0.000
Sussex County, New Jersey	0.000
Sussex County, Virginia	0.000
Suwannee County, Florida	0.000
Swain County, North Carolina	0.000
Sweet Grass County, Montana	0.000
Sweetwater County, Wyoming	0.001
Swift County, Minnesota	0.000
Switzerland County, Indiana	0.000
Talbot County, Georgia	0.000
Talbot County, Maryland	0.000
Taliaferro County, Georgia	0.000
Talladega County, Alabama	0.000
Tallahatchie County, Mississippi	0.000
Tallapoosa County, Alabama	0.000
Tama County, Iowa	0.000
Tangipahoa Parish, Louisiana	0.000
Tate County, Mississippi	0.000
Tattnall County, Georgia	0.000
Taylor County, Florida	0.000
Taylor County, Georgia	0.000
Taylor County, Iowa	0.000

Taylor County, Kentucky	0.000

0.000

Taylor County, West Virginia

Tazewell County, Virginia

Thomas County, Georgia

- 0.000 Taylor County, Wisconsin
- Telfair County, Georgia 0.000
- Teller County, Colorado 0.000
- Tensas Parish, Louisiana 0.000
- Terrebonne Parish, Louisiana 0.000
- Terrell County, Georgia 0.000
- Teton County, Montana 0.000
- 0.000 Teton County, Wyoming
- Texas County, Oklahoma 0.015
- Thayer County, Nebraska 0.000 0.000
- 0.005 Thomas County, Nebraska
- 0.000 Thurston County, Nebraska
- Thurston County, Washington 0.000
- 0.000 Tift County, Georgia 0.001 Tillman County, Oklahoma
- Tioga County, New York 0.000
- Tioga County, Pennsylvania 0.000
- 0.000 Tippah County, Mississippi
- Tippecanoe County, Indiana 0.000 Tipton County, Indiana 0.000
- Tipton County, Tennessee 0.000

Tishomingo County, Mississippi	0.000
Todd County, Kentucky	0.000
Todd County, Minnesota	0.000
Todd County, South Dakota	0.000
Tolland County, Connecticut	0.000
Tompkins County, New York	0.000
Tooele County, Utah	0.001
Toole County, Montana	0.000
Toombs County, Georgia	0.000
Towner County, North Dakota	0.000
Towns County, Georgia	0.000
Traill County, North Dakota	0.000
Transylvania County, North Carolina	0.000
Traverse County, Minnesota	0.000
Treasure County, Montana	0.000
Trempealeau County, Wisconsin	0.000
Treutlen County, Georgia	0.000
Trigg County, Kentucky	0.000
Trimble County, Kentucky	0.000
Tripp County, South Dakota	0.000
Troup County, Georgia	0.000
Trousdale County, Tennessee	0.000
Trumbull County, Ohio	0.000
Tucker County, West Virginia	0.000
Tulsa County, Oklahoma	0.001

Tunica County, Mississippi	0.000
• • • • • •	

0.000

0.000

0.000

- 0.000 Turner County, South Dakota
- Tuscaloosa County, Alabama 0.000
- Tuscola County, Michigan 0.000
- Twiggs County, Georgia 0.000
- Tyler County, West Virginia 0.000
- Tyrrell County, North Carolina 0.000
- Uinta County, Wyoming 0.001
- Uintah County, Utah 0.001
- Unicoi County, Tennessee 0.000
- 0.000 Union County, Arkansas
- 0.000 Union County, Florida
- 0.000 Union County, Georgia
- Union County, Indiana 0.000
- 0.000 Union County, Kentucky
- Union County, Mississippi 0.000
- Union County, New Jersey 0.001
- Union County, North Carolina 0.000
- Union County, Ohio 0.000 Union County, Pennsylvania 0.000
- Union County, South Dakota 0.000

Turner County, Georgia

Tuscarawas County, Ohio

Ulster County, New York

Union County, Iowa

Union County,	Tennessee	0.000
---------------	-----------	-------

0.000

Union Parish, Louisiana

Vanderburgh County, Indiana

- Upshur County, West Virginia 0.000
- Upson County, Georgia 0.000
- Utah County, Utah0.002Valley County, Montana0.000
- Valley County, Nebraska 0.000
- Van Buren County, Arkansas 0.000
- Van Buren County, Iowa 0.000
- Van Buren County, Michigan 0.000
- Van Buren County, Tennessee 0.000
- Van Wert County, Ohio0.000Vance County, North Carolina0.000
- Vance County, North Carolina 0.000
- Venango County, Pennsylvania 0.000
- Vermilion Parish, Louisiana 0.000
- Vermillion County, Indiana 0.000
- Vernon County, Wisconsin 0.000
- Vernon Parish, Louisiana 0.001
- Vigo County, Indiana0.000Vilas County, Wisconsin0.000
- Vilas County, Wisconsin0.000Vinton County, Ohio0.000
- Virginia Beach city, Virginia0.000Volusia County, Florida0.000
- Wabash County, Indiana 0.000

Wabasha County, Minnesota	0.000
Wadena County, Minnesota	0.000
Wagoner County, Oklahoma	0.000
Wahkiakum County, Washington	0.000
Wake County, North Carolina	0.000
Wakulla County, Florida	0.000
Waldo County, Maine	0.000
Walker County, Alabama	0.000
Walker County, Georgia	0.000
Walla Walla County, Washington	0.001
Walsh County, North Dakota	0.000
Walthall County, Mississippi	0.000
Walton County, Florida	0.000
Walton County, Georgia	0.000
Walworth County, South Dakota	0.000
Walworth County, Wisconsin	0.000
Wapello County, Iowa	0.000
Ward County, North Dakota	0.000
Ware County, Georgia	0.000
Warren County, Georgia	0.000
Warren County, Indiana	0.000
Warren County, Iowa	0.000
Warren County, Kentucky	0.000
Warren County, Mississippi	0.000
Warren County, New Jersey	0.000

Warren County, New York	0.000
Warren County, North Carolina	0.000
Warren County, Ohio	0.000
Warren County, Pennsylvania	0.000
Warren County, Tennessee	0.000
Warren County, Virginia	0.000
Warrick County, Indiana	0.000
Wasatch County, Utah	0.001
Waseca County, Minnesota	0.000
Washakie County, Wyoming	0.001
Washburn County, Wisconsin	0.000
Washington County, Alabama	0.000
Washington County, Arkansas	0.001
Washington County, Colorado	0.001
Washington County, Florida	0.000
Washington County, Georgia	0.000
Washington County, Indiana	0.000
Washington County, Iowa	0.000
Washington County, Kentucky	0.000
Washington County, Maine	0.000
Washington County, Maryland	0.000
Washington County, Minnesota	0.000
Washington County, Mississippi	0.000
Washington County, Nebraska	0.000
Washington County, New York	0.000

Washington County, North Carolina	0.000
Washington County, Ohio	0.000
Washington County, Oklahoma	0.000
Washington County, Pennsylvania	0.000
Washington County, Rhode Island	0.000
Washington County, Tennessee	0.000
Washington County, Utah	0.001
Washington County, Vermont	0.000
Washington County, Virginia	0.000
Washington County, Wisconsin	0.000
Washington Parish, Louisiana	0.000
Washita County, Oklahoma	0.001
Washoe County, Nevada	0.001
Washtenaw County, Michigan	0.000
Watauga County, North Carolina	0.000
Watonwan County, Minnesota	0.001
Waukesha County, Wisconsin	0.000
Waupaca County, Wisconsin	0.000
Waushara County, Wisconsin	0.000
Wayne County, Georgia	0.000
Wayne County, Indiana	0.000
Wayne County, Iowa	0.000
Wayne County, Kentucky	0.000
Wayne County, Michigan	0.000
Wayne County, Mississippi	0.000

Wayne County, Nebraska	0.000
Wayne County, New York	0.000
Wayne County, North Carolina	0.000
Wayne County, Ohio	0.000
Wayne County, Pennsylvania	0.000
Wayne County, Tennessee	0.000
Wayne County, Utah	0.001
Wayne County, West Virginia	0.000
Waynesboro city, Virginia	0.000
Weakley County, Tennessee	0.000
Weber County, Utah	0.001
Webster County, Georgia	0.000
Webster County, Iowa	0.000
Webster County, Kentucky	0.000
Webster County, Mississippi	0.000
Webster County, Nebraska	0.000
Webster County, West Virginia	0.000
Webster Parish, Louisiana	0.000
Weld County, Colorado	0.001
Wells County, Indiana	0.000
Wells County, North Dakota	0.000
West Baton Rouge Parish, Louisiana	0.000
West Carroll Parish, Louisiana	0.000
West Feliciana Parish, Louisiana	0.000
Westchester County, New York	0.001

Westmoreland County, Pennsylvania	0.000
Westmoreland County, Virginia	0.000
Weston County, Wyoming	0.000
Wetzel County, West Virginia	0.000
Wexford County, Michigan	0.000
Whatcom County, Washington	0.000
Wheatland County, Montana	0.000
Wheeler County, Georgia	0.000
Wheeler County, Nebraska	0.000
White County, Arkansas	0.000
White County, Georgia	0.000
White County, Indiana	0.000
White County, Tennessee	0.000
White Pine County, Nevada	0.001
Whitfield County, Georgia	0.002
Whitley County, Indiana	0.000
Whitley County, Kentucky	0.000
Whitman County, Washington	0.000
Wibaux County, Montana	0.000
Wicomico County, Maryland	0.000
Wilcox County, Alabama	0.000
Wilcox County, Georgia	0.000
Wilkes County, Georgia	0.000
Wilkes County, North Carolina	0.000
Wilkin County, Minnesota	0.000

Wilkinson County.	Georgia	0.000

Williams County, North Dakota 0.000

0.000

0.000

0.000

0.000

0.000

Wilkinson County, Mississippi

Winneshiek County, Iowa

- Williams County, Ohio 0.000
- Williamsburg city, Virginia 0.000
- Williamson County, Tennessee 0.000
- Wilson County, North Carolina 0.000
- Wilson County, Tennessee Winchester city, Virginia 0.001
- Windham County, Connecticut 0.000
- 0.000 Windham County, Vermont 0.000 Windsor County, Vermont
- Winn Parish, Louisiana 0.000
- 0.000 Winnebago County, Iowa
- 0.000 Winnebago County, Wisconsin
- Winona County, Minnesota 0.000
- 0.000 Winston County, Alabama
- 0.000 Winston County, Mississippi
- Wirt County, West Virginia 0.000
- Wise County, Virginia
- Wolfe County, Kentucky 0.000
- Wood County, Ohio 0.000 0.000
- Wood County, West Virginia Wood County, Wisconsin

Woodbury County, Iowa	0.001
Woodford County, Kentucky	0.000
Woodruff County, Arkansas	0.000
Woods County, Oklahoma	0.001
Woodward County, Oklahoma	0.001
Worcester County, Maryland	0.000
Worcester County, Massachusetts	0.000
Worth County, Georgia	0.000
Worth County, Iowa	0.000
Wright County, Iowa	0.000
Wright County, Minnesota	0.000
Wyandot County, Ohio	0.000
Wyoming County, New York	0.000
Wyoming County, Pennsylvania	0.000
Wyoming County, West Virginia	0.000
Wythe County, Virginia	0.000
Yadkin County, North Carolina	0.001
Yakima County, Washington	0.002
Yalobusha County, Mississippi	0.000
Yancey County, North Carolina	0.000
Yankton County, South Dakota	0.000
Yates County, New York	0.000
Yazoo County, Mississippi	0.000
Yell County, Arkansas	0.001
Yellow Medicine County, Minnesota	0.000

Yellowstone County, Montana	0.000
York County, Maine	0.000
York County, Nebraska	0.000
York County, Pennsylvania	0.000
York County, Virginia	0.000
Yuma County, Colorado	0.001
Ziebach County, South Dakota	0.000

Fig 9.20 WIC Women: Full Parametric V weight list

Predictor	V Weight
One.race_Black.or.African.American	0.004
Hispanic.or.Latino.of.any.race	0.447
Median.nonfamily.income.dollars	0.001
Male_Ed_Some_College_Or_Associates	0.420
Rural	0.034
total_votes_x	0.094
republican_vote_percent_x	0.000

Fig 9.21 WIC Women: Condensed Parametric W weight list

County	W Weight
Adams County, Washington	0.003
Sanpete County, Utah	0.004
Costilla County, Colorado	0.003
Crowley County, Colorado	0.006
Texas County, Oklahoma	0.004

Beaver County, Oklahoma 0.003

0.003

0.005

0.003

0.003

0.004

Alamosa County, Colorado

Elko County, Nevada

Adams County, Colorado

Jackson County, Oklahoma

- Thomas County, Nebraska 0.003
- Colfax County, Nebraska 0.006
- Echols County, Georgia 0.003
- Franklin County, Washington 0.000
- Grant County, Washington
- Las Animas County, Colorado 0.003
- Prowers County, Colorado 0.007
- 0.004 Cimarron County, Oklahoma
- Conejos County, Colorado 0.003
- 0.003 Dakota County, Nebraska
- 0.003 Dawson County, Nebraska
- 0.003 Douglas County, Washington
- Hall County, Georgia 0.003 0.003 Hardee County, Florida
- 0.004 Harmon County, Oklahoma
- Harper County, Oklahoma 0.004
- Harrisonburg city, Virginia 0.004
- 0.003 Hendry County, Florida Humboldt County, Nevada 0.004 0.003
- Lake County, Colorado

Lander County, Nevada 0.004

0.003

0.004

0.003

0.003

Lexington city, Virginia

Otero County, Colorado

Whitfield County, Georgia

- Millard County, Utah 0.004
- Morgan County, Colorado 0.003
- Osceola County, Florida 0.003
- Pueblo County, Colorado 0.003
- Rio Grande County, Colorado 0.005
- Sevier County, Arkansas 0.003
- Utah County, Utah 0.003
- Yakima County, Washington 0.003
- Adams County, Nebraska 0.003
- 0.003 Albany County, Wyoming
- 0.003 Alfalfa County, Oklahoma
- Arapahoe County, Colorado Archuleta County, Colorado 0.003
- 0.004 Atkinson County, Georgia
- 0.003 Atlantic County, New Jersey
- Baca County, Colorado 0.003
- Banner County, Nebraska 0.003
- Barrow County, Georgia 0.003 Beaver County, Utah 0.004
- Beckham County, Oklahoma 0.003 Bedford County, Tennessee 0.005
0.003

0.003

0.003

Bent County, Colorado	0.003
Benton County, Arkansas	0.010

- Benton County, Washington Bergen County, New Jersey 0.018
- Berks County, Pennsylvania 0.003
- Big Horn County, Wyoming 0.004
- Blaine County, Oklahoma 0.003
- Blount County, Alabama Box Butte County, Nebraska 0.004
- Box Elder County, Utah 0.003
- 0.003 Bronx County, New York
- 0.005 Broward County, Florida
- Buena Vista County, Iowa 0.003
- 0.004 Buffalo County, Nebraska 0.003
- 0.003 Caddo County, Oklahoma
- Campbell County, Wyoming 0.003
- 0.003 Canadian County, Oklahoma
- Carbon County, Utah

Cache County, Utah

- Carbon County, Wyoming 0.003 0.009 Carroll County, Arkansas
- 0.005 Carson City, Nevada 0.003 Cass County, Indiana
- Chase County, Nebraska 0.004 Chattahoochee County, Georgia 0.003

Chelan County, Washington 0.003

0.003

0.004

0.003

0.003

0.006

0.003

- Cheyenne County, Colorado 0.003
- Cheyenne County, Nebraska Churchill County, Nevada 0.005
- Clark County, Nevada

Cherokee County, Georgia

Crawford County, Iowa

- Clay County, Nebraska 0.003
- Cleveland County, Oklahoma 0.003
- Clinton County, Indiana Collier County, Florida 0.003
- 0.005 Colquitt County, Georgia
- Comanche County, Oklahoma 0.003
- Converse County, Wyoming 0.004
- 0.003 Cumberland County, New Jersey
- 0.003 Custer County, Oklahoma
- Davis County, Utah 0.003
- 0.003 DeKalb County, Alabama
- 0.004 DeSoto County, Florida
- Delta County, Colorado 0.004
- Denver County, Colorado 0.004
- Dewey County, Oklahoma 0.003
- Dixon County, Nebraska 0.029 Douglas County, Nevada 0.004
- Duchesne County, Utah

Dundy County, Nebraska	0.003
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0.003

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0.004

Duplin County, North Carolina

Essex County, Massachusetts

- Eagle County, Colorado 0.003
- El Paso County, Colorado 0.004
- Elkhart County, Indiana Ellis County, Oklahoma 0.003
- Emery County, Utah 0.005
- 0.004 Esmeralda County, Nevada
- 0.005 Essex County, New Jersey
- 0.005 Eureka County, Nevada
- Fairfax city, Virginia 0.003
- Forsyth County, Georgia 0.004
- Franklin County, Alabama 0.003 Fremont County, Colorado
- 0.005 Galax city, Virginia
- Garfield County, Colorado 0.003
- 0.004 Garfield County, Oklahoma
- Garfield County, Utah
- Gilmer County, Georgia 0.003 0.080 Glades County, Florida
- Gordon County, Georgia 0.005 Goshen County, Wyoming 0.004 Greene County, North Carolina 0.004
- Greer County, Oklahoma

Gwinnett County, Georgia	0.003
Habersham County, Georgia	0.004
Hall County, Nebraska	0.003
Hamblen County, Tennessee	0.004
Hampden County, Massachusetts	0.003
Harnett County, North Carolina	0.004
Hayes County, Nebraska	0.004
Highlands County, Florida	0.003
Hillsborough County, Florida	0.003
Hudson County, New Jersey	0.005
Huerfano County, Colorado	0.003
Iron County, Utah	0.004
Jackson County, Colorado	0.003
Jefferson County, Oklahoma	0.008
Johnson County, Arkansas	0.003
Johnston County, North Carolina	0.003
Juab County, Utah	0.004
Kimball County, Nebraska	0.005
Kingfisher County, Oklahoma	0.003
Kit Carson County, Colorado	0.003
Kosciusko County, Indiana	0.000
Lafayette County, Florida	0.003
Lake County, Florida	0.003

Lake County, Indiana0.004Laramie County, Wyoming0.003

Lee County, Florida	0.0	)03

0.003

0.004

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Lee County, North Carolina

Lincoln County, Nebraska

Lyon County, Nevada

Mesa County, Colorado

- Lehigh County, Pennsylvania 0.004
- Liberty County, Georgia 0.004
- Lincoln County, Colorado 0.004 0.004
- Lincoln County, Nevada 0.003
- Logan County, Colorado 0.004
- Long County, Georgia 0.004
- Louisa County, Iowa 0.003
- 0.004 Love County, Oklahoma
- Madison County, Nebraska 0.003
- 0.003 Major County, Oklahoma
- 0.004 Manassas Park city, Virginia
- 0.007 Manassas city, Virginia Manatee County, Florida 0.004
- 0.004 Marshall County, Alabama
- 0.003 Marshall County, Iowa
- 0.004 Marshall County, Oklahoma
- Martin County, Florida 0.004 0.003 McClain County, Oklahoma
- Middlesex County, New Jersey 0.003 Moffat County, Colorado 0.004

Monroe County, Florida	0.004
Monroe County, Pennsylvania	0.002
Montezuma County, Colorado	0.004
Montgomery County, North Carolina	0.004
Montrose County, Colorado	0.003
Morrill County, Nebraska	0.003
Murray County, Georgia	0.003
Muscatine County, Iowa	0.003
Natrona County, Wyoming	0.003
New York County, New York	0.005
Noble County, Indiana	0.003
Nobles County, Minnesota	0.003
Nye County, Nevada	0.003
Oceana County, Michigan	0.004
Okanogan County, Washington	0.003
Okeechobee County, Florida	0.005
Oklahoma County, Oklahoma	0.003
Onslow County, North Carolina	0.005
Orange County, Florida	0.003
Orange County, New York	0.004
Palm Beach County, Florida	0.004
Passaic County, New Jersey	0.003
Perkins County, Nebraska	0.004
Pershing County, Nevada	0.005
Phelps County, Nebraska	0.004

Phillips County, Colorado	0.003
Pike County, Arkansas	0.004
Piute County, Utah	0.023
Platte County, Nebraska	0.003
Polk County, Florida	0.003
Polk County, Georgia	0.006
Prince William County, Virginia	0.003
Providence County, Rhode Island	0.003
Queens County, New York	0.006
Randolph County, North Carolina	0.004
Rich County, Utah	0.003
Richmond County, New York	0.006
Rio Blanco County, Colorado	0.004
Rockland County, New York	0.004
Roger Mills County, Oklahoma	0.004
Saguache County, Colorado	0.009
Saline County, Nebraska	0.003
Salt Lake County, Utah	0.004
Sampson County, North Carolina	0.005
Scotts Bluff County, Nebraska	0.004
Sebastian County, Arkansas	0.003
Sedgwick County, Colorado	0.004
Seminole County, Florida	0.003
Sevier County, Utah	0.003
Sioux County, Iowa	0.003

Predictor	V Weight
One.race_Black.or.African.American	0.225
Hispanic.or.Latino.of.any.race	0.165
Median.nonfamily.income.dollars	0.006
Male_Ed_Some_College_Or_Associates	0.026
Rural	0.184
total_votes_x	0.000
republican_vote_percent_x	0.395

## Fig 9.22 WIC Women: Condensed Parametric V weight list

## Fig 9.23 WIC Women: Full Parametric Estimator Comparison List

Predictor	Treatment	Synthetic	Abs. Diff
One.race_Black.or.African.American	5.841	5.841	0.000
Hispanic.or.Latino.of.any.race	18.01	18.01	0.000
Median.nonfamily.income.dollars	50.545	50.546	0.001
Male_Ed_Some_College_Or_Associates	30.105	30.105	0.000
Rural	56.416	56.416	0.000
total_votes_x	52.999	52.999	0.000
republican_vote_percent_x	63.491	63.482	0.009

Fig 9.24 WIC Women: Condensed Parametric Estimator Comparison List

Predictor	Treatment	Synthetic	Abs. Diff
One.race_Black.or.African.American	5.841	5.841	0.000

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Hispanic.or.Latino.of.any.race	18.01	18.01	0.000
Median.nonfamily.income.dollars	50.545	50.552	0.007
Male_Ed_Some_College_Or_Associates	30.105	30.105	0.000
Rural	56.416	56.416	0.000
total_votes_x	52.999	52.89	0.109
republican_vote_percent_x	63.491	63.491	0.000