South Dakota State Data Conference

Pierre SD October 12, 2017

Census data tools: American Fact Finder

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21st Century Expectation: Anywhere, Anytime Access

Meet users' expectations:

- 24/7 access to data
- Easy Access
- Timely
- Relevant

Census.Gov

Data Available on Census.gov

Decennial Census Data

- 100% Data
- 10 Questions, 10 Minutes

American Community Survey Estimates

- 1 year (65,000+)
- 5 year (all pop)

Business Datasets

- Economic Census
- NAICS
- County Business Patterns
- Foreign Trade Data
- Survey of Construction
- Economic Indicators
- Business Dynamics Statistics

Decennial Census Data

100% Data

- Not a Sample but a count of everyone.

Short Form Only in 2010

- 10 Questions, 10 Minutes

- 2010 Census Data Items:
  - Race, Ethnicity, Sex, Age, Household Relationship, Housing Tenure (own or rent)

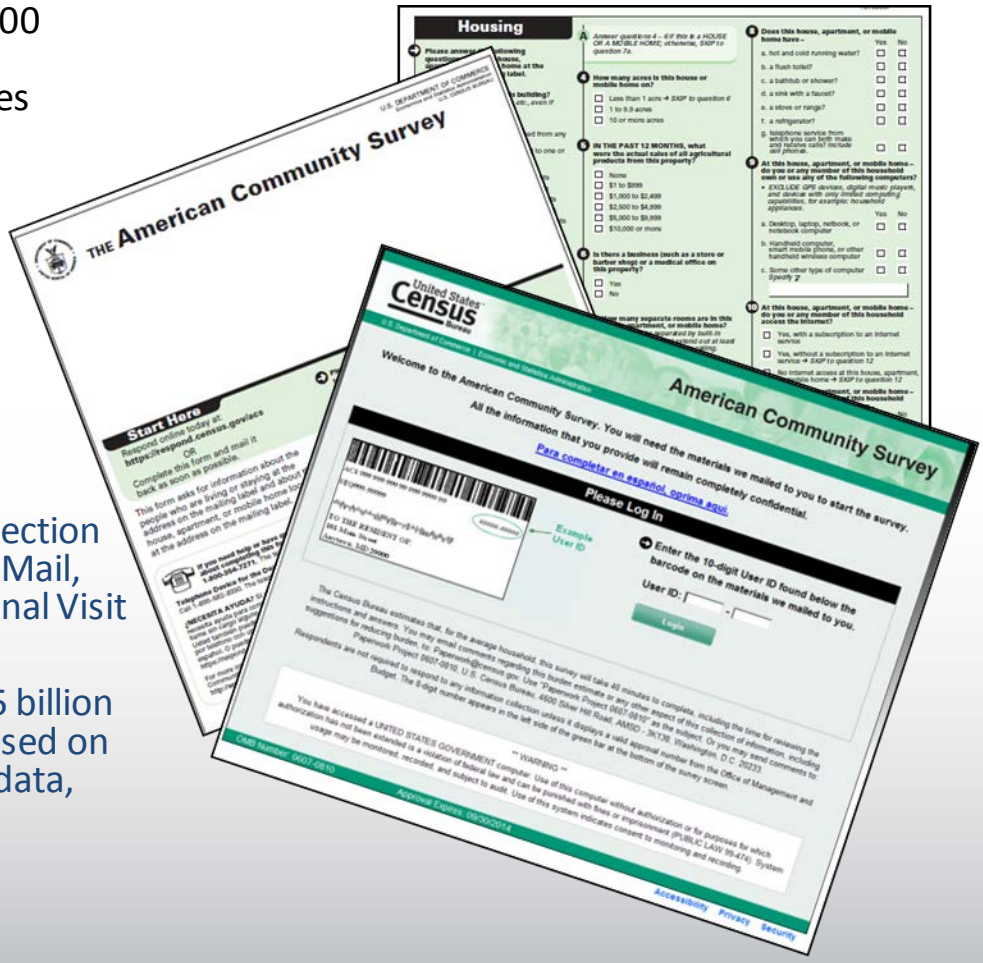
- Geography:
  - Data is fully available at all levels of geography.

The American Community Survey

https://www.census.gov/programs-surveys/acs.html

- Largest U.S. survey 3.5 Million Homes Annually
- Four Key Characteristics
  - Social
  - Economic
  - Housing
  - Demographic
- Margin of Error
- 1, and 5 Year Data Sets Estimates
- Helps inform decision makers
- Geography Limitations
  1 Year above 65K ,
  5 Year all populations

- Covers 35 topics and supports over 300 known Federal Government uses
- Has four data collection modes: Internet, Mail, Telephone, Personal Visit
- More than $675 billion are allocated based on Census Bureau data,



The Economic Census

- Conducted every five years
- Comprehensive Business Information
- Statistics on 1,000+ Industries
- Electronic Reporting Available
- Responses are Confidential

Other Census Surveys

- Survey of Business Owners
- Current Population Survey
- National Crime Victimization Survey
- Consumer Expenditure
- Survey of Income and Program Participation
- American Housing Survey
- Census of Governments

The U.S. Census Bureau conducts more than 130 surveys each year, including our nation's largest household survey, the American Community Survey and the largest business survey, Annual Retail Trade.

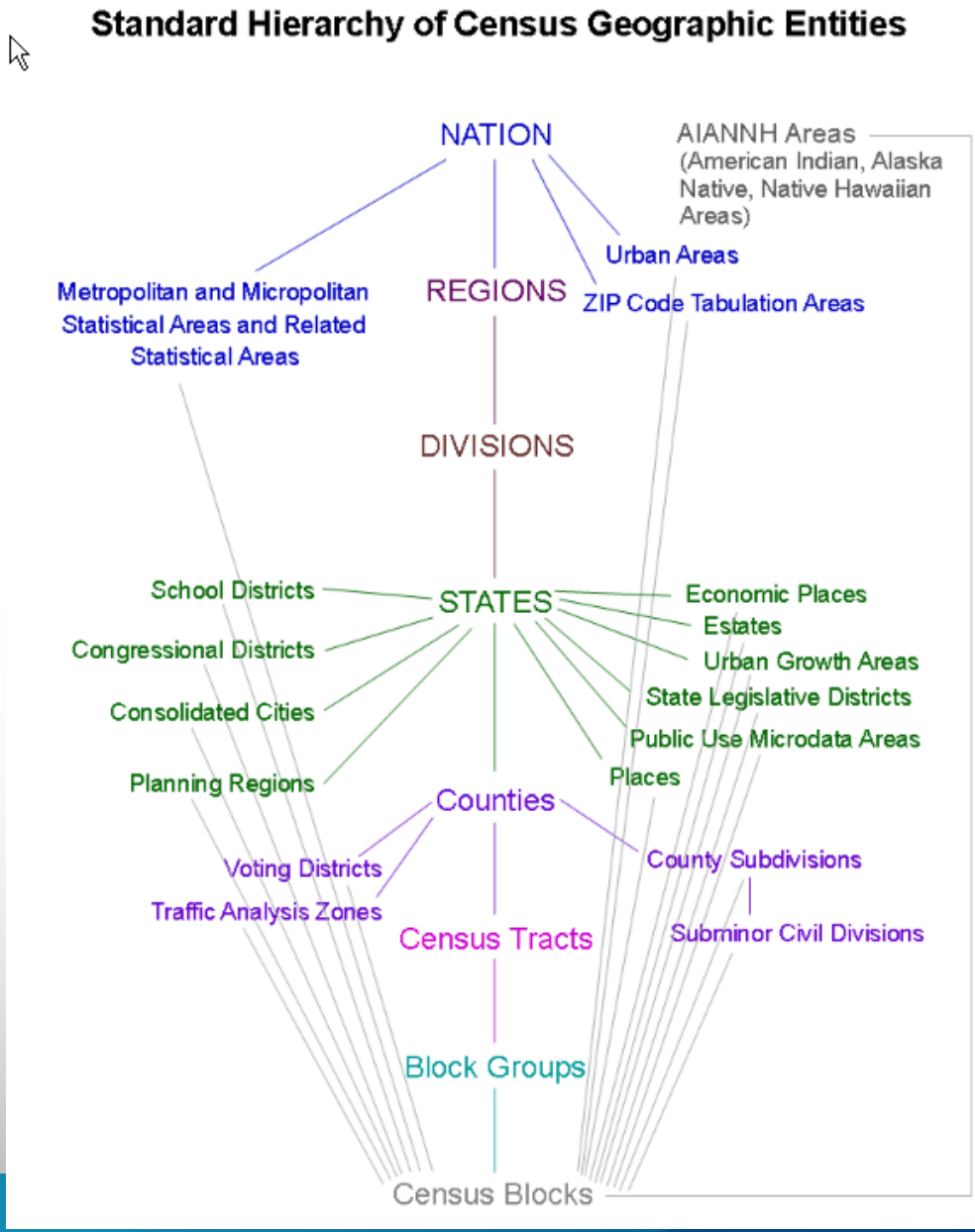
2015 Census Tests
American Community Survey (ACS)
American Housing Survey (AHS)
American Time Use Survey (ATUS)
Beginning Teacher Longitudinal Study (BTLS)
Consumer Expenditure Survey (CE)
Current Population Survey (CPS)
Housing Vacancy Survey (HVS)
Identity Theft Supplement - part of the National Crime Victimization Survey (NCVS)
La Encuesta sobre la Comunidad Estadounidense
National Ambulatory Medical Care Survey (NAMCS)
National Crime Victimization Survey (NCVS)
National Health Interview Survey (NHIS)
National Hospital Ambulatory Medical Care Survey (NHAMCS)
National Household Education Survey (NHES)
National Survey of Children's Health
National Survey of College Graduates (NSCG)
National Survey of Fishing, Hunting, and Wildlife-Associated Recreation (FHWAR)
New York City Housing and Vacancy Survey (NYCHVS)
Police Public Contact Survey (PPCS)
Population & Housing Census
Principal Follow-up Survey (PFS)
Private School Universe Survey (PSS)
Puerto Rico Community Survey
Rental Housing Finance Survey (RHFS)
Residential Finance Survey (RFS)
School Crime Supplement (SCS)
School Survey on Crime and Safety (SSOCS)
Schools and Staffing Survey (SASS)
Special Census Program
Survey of Income and Program Participation (SIPP)
Survey of Market Absorption of New Multifamily Units (SOMA)
Teacher Follow-Up Survey (TFS)
Telephone Point of Purchase Survey (TPOPS)

2012 Economic Census
2012 Economic Census (NC-99023 and NC-99026 forms)
Academic Libraries Survey
Advance Monthly Sales for Retail and Food Services (MARTS)
Annual Capital Expenditures Survey (ACES)
Annual Parole Survey & Annual Probation Survey
Annual Retail Trade Survey (ARTS)
Annual Services Report (Service Annual Survey)
Annual Survey of Jails
Annual Survey of Manufactures (ASM)
Annual Survey of Public Employment & Payroll (APES)
Annual Survey of School System Finances
Annual Survey of State Government Tax Collections (STC)
Annual Survey of State and Local Government Finances
Annual Wholesale Trade Survey (AWTS)
Building Permits Survey (BPS)
Business Dynamics Statistics (BDS)
Business R&D Surveys
Business and Professional Classification Survey (SQ-CLASS)
Census of Governments
Census of Jails
Census of Juveniles in Resident Placement (CJRP)
Census of State and Federal Adult Correctional Facilities
Commodity Flow Survey (CFS)
Common Core of Data (CCD)
Construction Progress Reporting Survey (CPRS)
County Business Patterns (CBP)
Deaths in Custody Reporting Program (DCRP)
Directory Survey of Local Governments
Export Statistics
Exports from Manufacturing Establishments
Federal Assistance Awards Data System

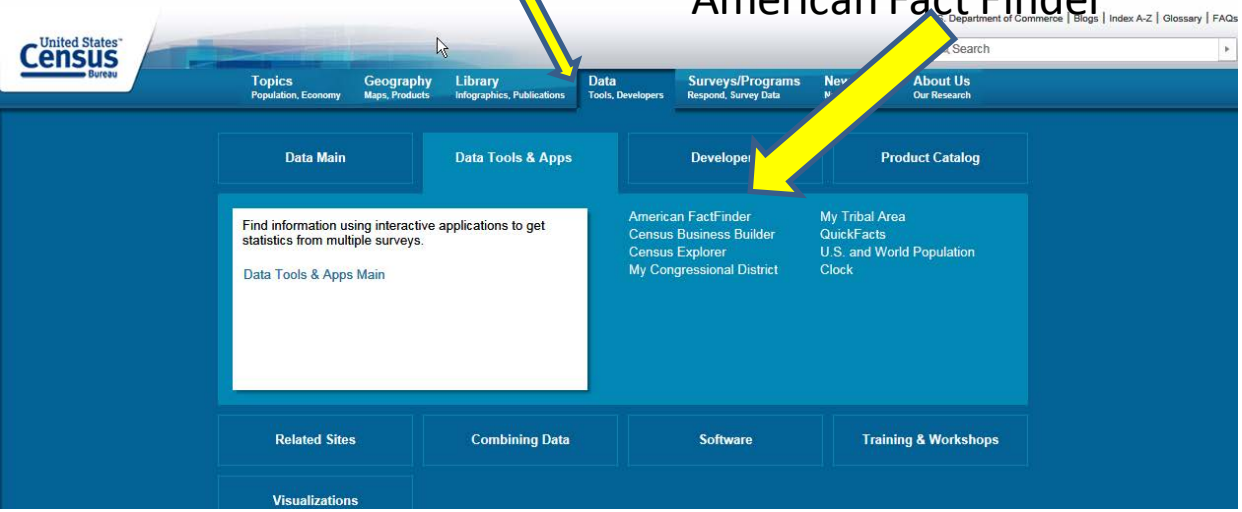
Federal Audit Clearinghouse (FAC)
Import Statistics
Information & Communication Technology Survey (ICTS)
Justice Assistance Data Survey
Juvenile Residential Facility Census (JRFC)
Local Government School System Finance Survey
Management and Organizational Practices Survey (MOPS)
Manufactured Homes Survey (MHS)
Manufacturers' Shipments, Inventories, and Orders Survey (M3)
Manufacturers' Unfilled Orders Survey (M3UFO)
Manufacturing Energy Consumption Survey (MECS)
Medical Expenditure Panel Survey (MEPS)
Monthly Retail Trade Survey (MRTS)
Monthly Wholesale Trade Survey (MWTS)
National Juvenile Justice Directory Program
National Prisoner Statistics (NPS)
Nonemployer Statistics
Public Libraries Survey (PLS)
Quarterly Financial Report (QFR)
Quarterly Services Survey (QSS)
Quarterly Summary of State and Local Government Tax Revenue (QTAX)
Quarterly Survey of Plant Capacity Utilization (QPC)
Quarterly Survey of Public Pensions
Quarterly Workforce Indicators (QWI)
Report of Organization (COS)
State Library Agencies Survey
Statistics of U.S. Businesses (SUSB)
Survey of Business Owners and Self-Employed Persons (SBO)
Survey of Construction (SOC)
Survey on Sexual Violence (SSV)
Value of Construction Put in Place

Geography Atlas https://www.census.gov/geo/reference/webatlas/

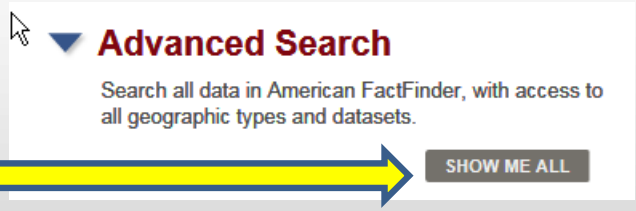
The standard hierarchy of census geographic entities displays the relationships between legal, administrative, and statistical boundaries maintained by the U.S. Census Bureau.



From Census.gov select the data tab, Then American Fact Finder

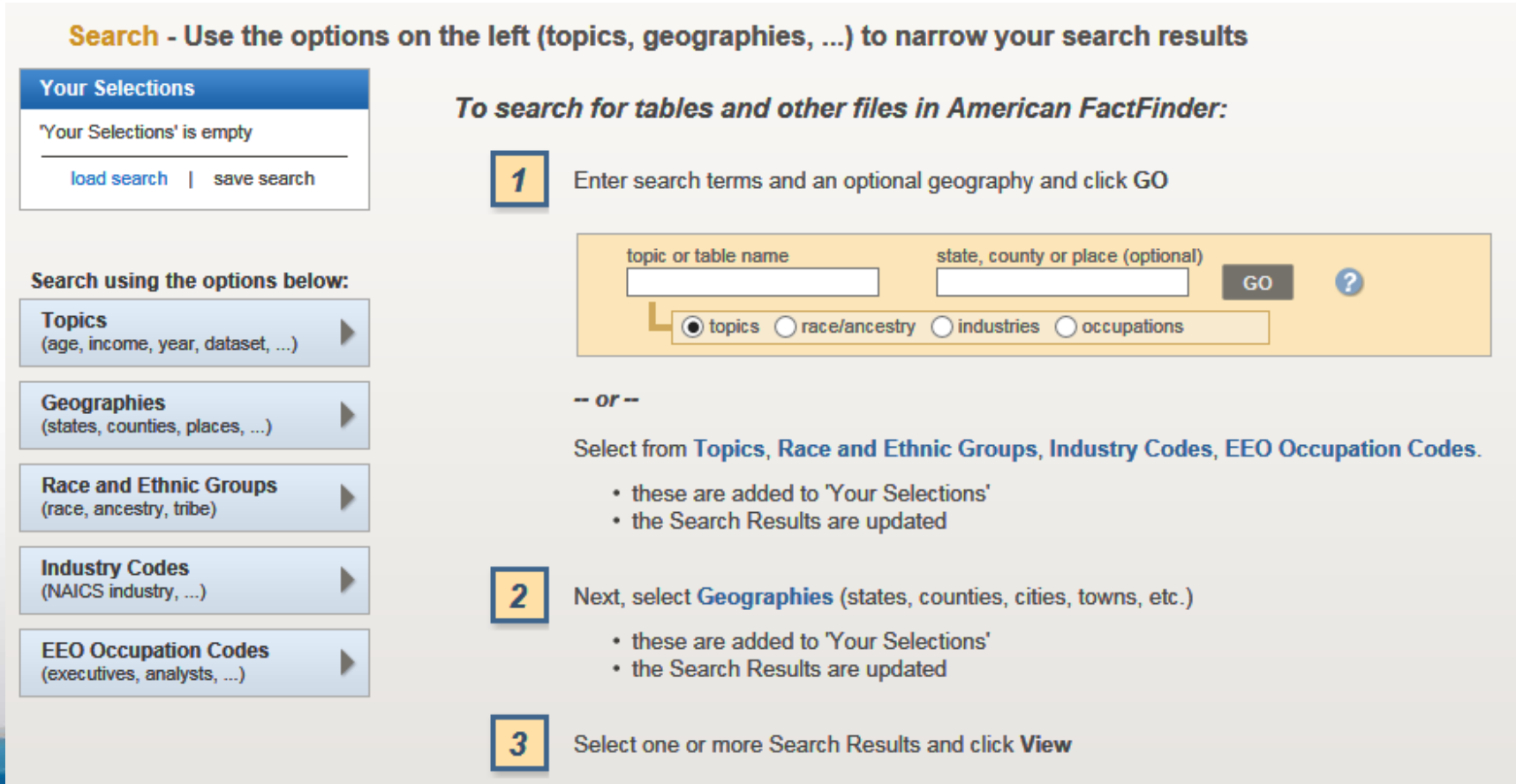


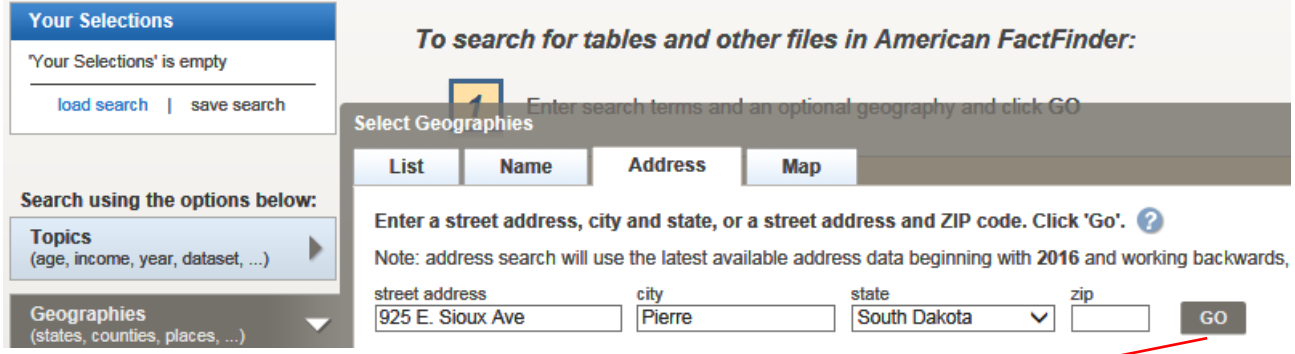
Select Advanced Search



American FactFinder
Advanced Search

http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

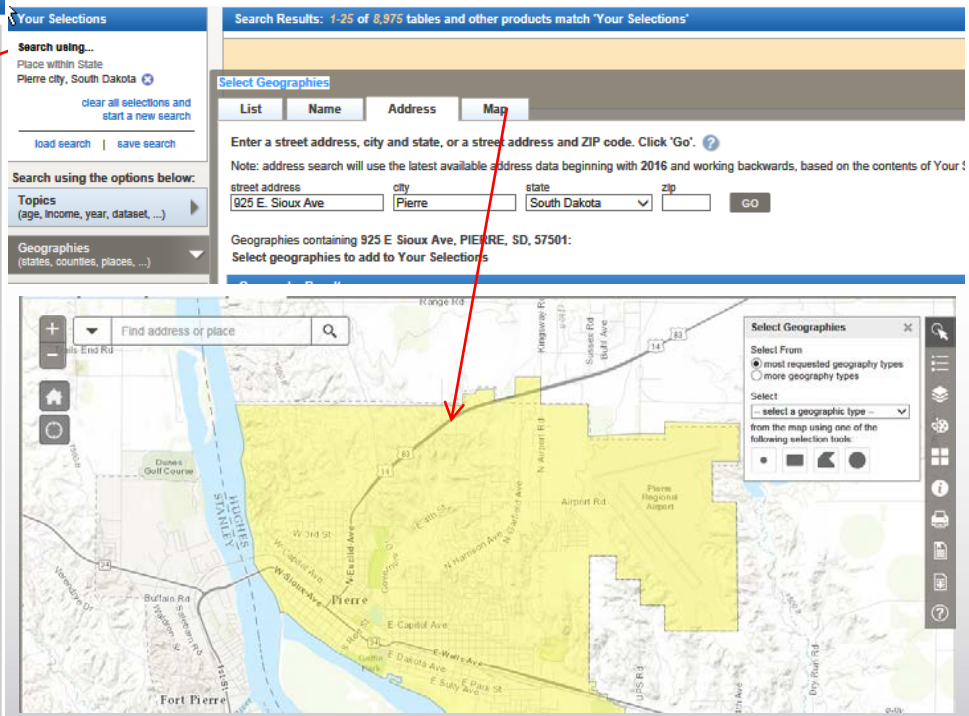




Geographies containing **925 E Sioux Ave, PIERRE, SD, 57501:**
Select geographies to add to Your Selections

Geography Results:

Geography Name	Geography Type	Geography Code	About
Midwest Region	Region	020	
West North Central Division	Division	030	
South Dakota	State	040	
Hughes County, South Dakota	County	050	
Pierre city, Hughes County, South Dakota	County Subdivision	060	
Block 2015, Block Group 2, Census Tract 9779, Hughes County, South Dakota	Block	100	
Census Tract 9779, Hughes County, South Dakota	Census Tract	140	
Block Group 2, Census Tract 9779, Hughes County, South Dakota	Block Group within Census Tract	150	
Pierre city, South Dakota	Place within State	160	
Pierre, SD Micro Area	Metro/Micro Statistical Area	310	
Pierre city, SD; Pierre, SD Micro Area	Principal City (or part) within State within Metro/Micro Statistical Area	312	
Pierre, SD Urban Cluster (2010)	Urban Area	400	
Congressional District (at Large) (115th Congress), South Dakota	Congressional District	500	
State Senate District 24 (2016), South Dakota	State Legislative District (Upper)	610	
State House District 24 (2016), South Dakota	State Legislative District (Lower)	620	
PierreCity Voting District (22), Hughes County, South Dakota	Voting District/Remainder	700	
Lakota Region PUMA, South Dakota	Public Use Microdata Area (PUMA)	795	
ZCTA5 57501	5-Digit ZCTA	860	
ZIP 57501 (Pierre, SD)	5-Digit ZIP Code	861	
Pierre School District 32-2, South Dakota	School District (Unified)/Remainder	970	
Pierre city, South Dakota	Economic Place	E60	



Close the select Geography window and the available data is displayed

	ID	Table, File or Document Title	Dataset	About
☐	S0101	AGE AND SEX	2015 ACS 5-year estimates	
☐	S0101	AGE AND SEX	2015 ACS 1-year estimates	
☐	S0102	POPULATION 60 YEARS AND OVER IN THE UNITED STATES	2015 ACS 5-year estimates	
☐	S0102	POPULATION 60 YEARS AND OVER IN THE UNITED STATES	2015 ACS 1-year estimates	
☐	S0103	POPULATION 65 YEARS AND OVER IN THE UNITED STATES	2015 ACS 5-year estimates	
☐	S0103	POPULATION 65 YEARS AND OVER IN THE UNITED STATES	2015 ACS 1-year estimates	
☐	S0501	SELECTED CHARACTERISTICS OF THE NATIVE AND FOREIGN-BORN POPULATIONS	2015 ACS 5-year estimates	
☐	S0501	SELECTED CHARACTERISTICS OF THE NATIVE AND FOREIGN-BORN POPULATIONS	2015 ACS 1-year estimates	
☐	S0502	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY PERIOD OF ENTRY INTO THE UNITED STATES	2015 ACS 5-year estimates	
☐	S0502	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY PERIOD OF ENTRY INTO THE UNITED STATES	2015 ACS 1-year estimates	
☐	S0503	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: EUROPE	2015 ACS 5-year estimates	
☐	S0503	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: EUROPE	2015 ACS 1-year estimates	
☐	S0504	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: AFRICA, NORTHERN AMERICA, AND OCEANIA	2015 ACS 5-year estimates	
☐	S0504	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: AFRICA, NORTHERN AMERICA, AND OCEANIA	2015 ACS 1-year estimates	
☐	S0505	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: ASIA	2015 ACS 5-year estimates	
☐	S0505	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: ASIA	2015 ACS 1-year estimates	
☐	S0506	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: LATIN AMERICA	2015 ACS 5-year estimates	
☐	S0506	SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: LATIN AMERICA	2015 ACS 1-year estimates	
☐	S0601	SELECTED CHARACTERISTICS OF THE TOTAL AND NATIVE POPULATIONS IN THE UNITED STATES	2015 ACS 5-year estimates	
☐	S0601	SELECTED CHARACTERISTICS OF THE TOTAL AND NATIVE POPULATIONS IN THE UNITED STATES	2015 ACS 1-year estimates	

Guidance for Data Users

https://www.census.gov/programs-surveys/acs/guidance.html

- Subjects Included in the Survey
- Which Data Table or Tool Should I Use?
  - Data Tools Chart
  - Table IDs Explained
- When to Use 1-year, 3-year, or 5-year Estimates
- Handbooks
- Comparing ACS Data
  - ACS/Census Table Comparisons
- Statistical Testing Tool
- Training Presentations

Element 1: Table Type

Table ID Characters	Type of Table		Contains
B	Detailed Tables	Base Table	Most detailed estimates on all topics for all geographies
C		Collapsed Table	Similar information from its corresponding Base Table (B) but at a lower level of detail because one or more lines in the Base Table have been grouped together
K20	Supplemental Table		The only source of 1-year statistics for selected geographies with populations of 20,000-64,999
S	Subject Table		A span of information on a particular ACS subject, such as veterans, presented in the format of both estimates and percentages
R	Ranking Table		State rankings across approximately 90 key variables
GCT	Geographic Comparison Table		Comparisons across approximately 95 key variables for geographies other than states such as counties or congressional districts
DP	Data Profile		Broad social, economic, housing, and demographic information in a total of four profiles
NP	Narrative Profile		Summaries of information in the Data Profiles using nontechnical text
CP	Comparison Profile		Comparisons of ACS estimates over time in the same layout as the Data Profiles
S0201	Selected Population Profile		Broad ACS statistics for population subgroups by race, ethnicity, ancestry, tribal affiliation, and place of birth

Element 4: Race Iteration (Selected Tables Only)

For selected tables, an alphabetic suffix follows to indicate that a table is re

Code	Race or Ethnic Group
A	White Alone
B	Black or African American Alone
C	American Indian and Alaska Native Alone
D	Asian Alone
E	Native Hawaiian and Other Pacific Islander Alone
F	Some Other Race Alone
G	Two or More Races
H	White Alone, Not Hispanic or Latino
I	Hispanic or Latino

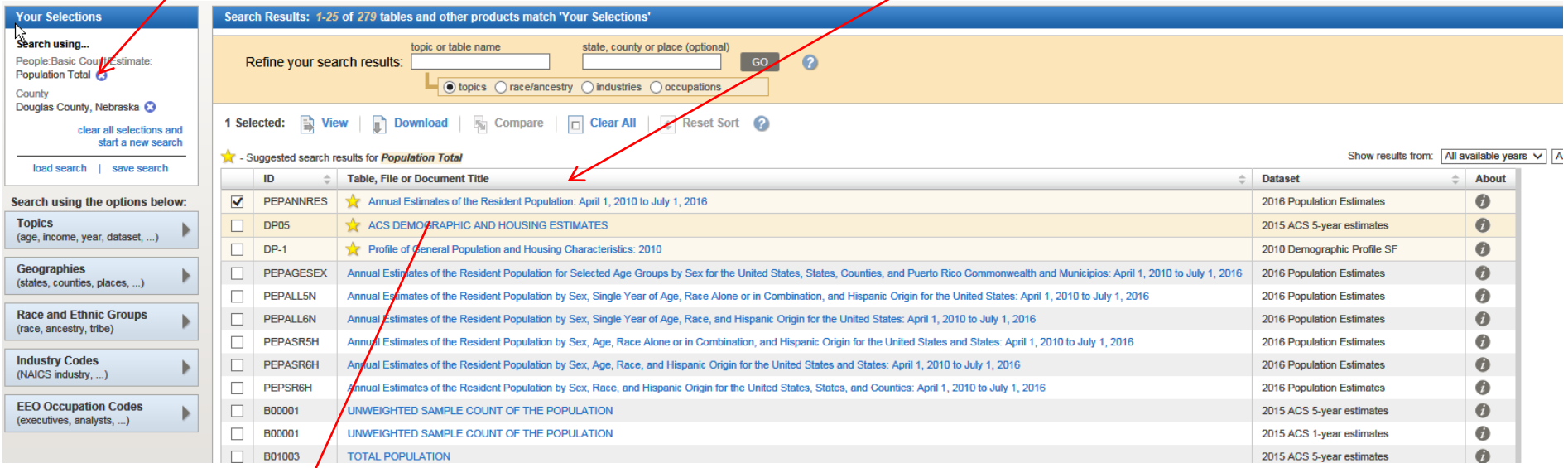
Element 2: Subject (B, C, K20, S, R, and GCT Tables Only)

The next 2 characters identify the subject of the table. Profiles (DP, NP, CP, and S0201) cover multiple topics, so they do not have any characters to indicate a subject.

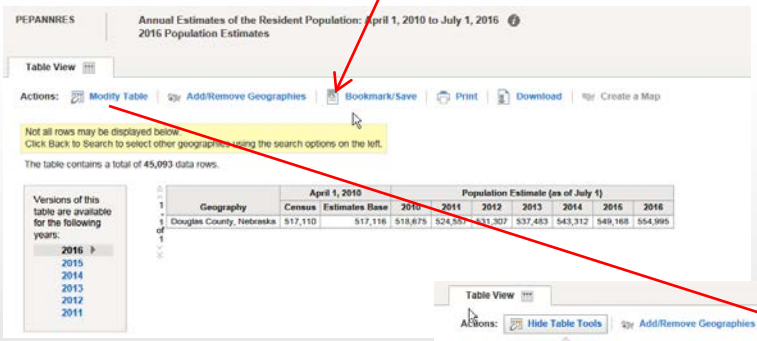
Subject Number	Subject Name	Subject Number	Subject Name
01	Age; Sex	16	Language Spoken at Home
02	Race	17	Poverty Status
03	Hispanic or Latino Origin	18	Disability Status
04	Ancestry	19	Income
05	Citizenship Status; Year of Entry; Foreign Born Place of Birth	20	Earnings
06	Place of Birth	21	Veteran Status; Period of Military Service
07	Migration/Residence 1 Year Ago	22	Food Stamps/Supplemental Nutrition Assistance Program (SNAP)
08	Commuting (Journey to Work); Place of Work	23	Employment Status; Work Status Last Year
09	Relationship to Householder	24	Industry, Occupation, and Class of Worker
10	Grandparents and Grandchildren Characteristics	25	Housing Characteristics
11	Household Type; Family Type; Subfamilies	26	Group Quarters
12	Marital Status; Marital History	27	Health Insurance Coverage
13	Fertility	28	Computer and Internet Use
14	School Enrollment	98	Quality Measures
15	Educational Attainment; Undergraduate Field of Degree	99	Allocation Table for Any Subject

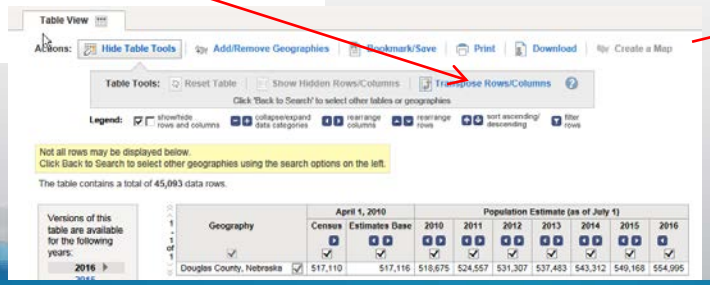
Select Total Population.

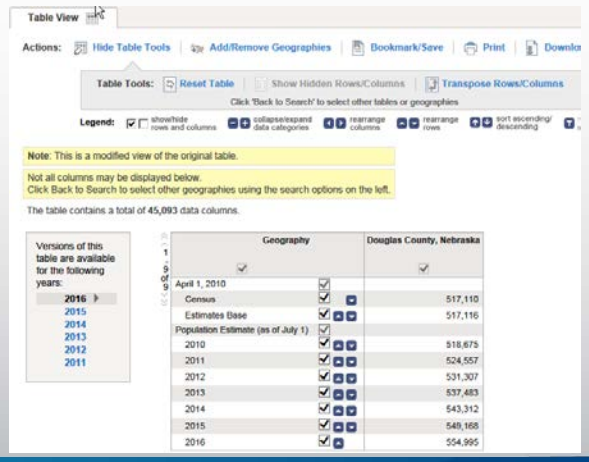
All available tables with total population are listed



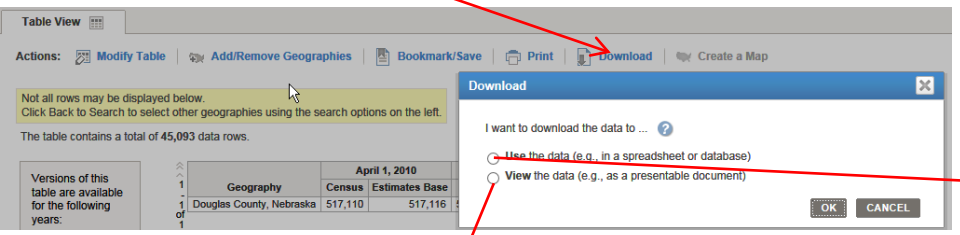
Modify a table and Transpose Colums

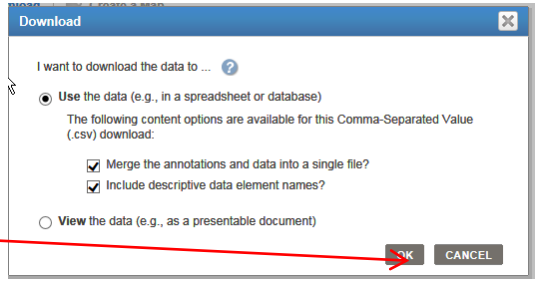


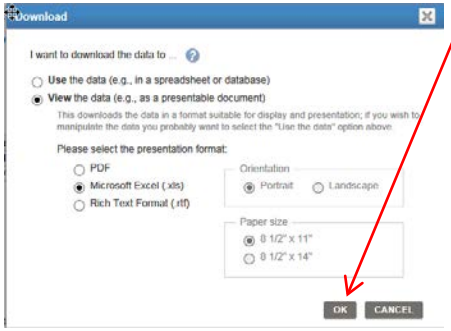


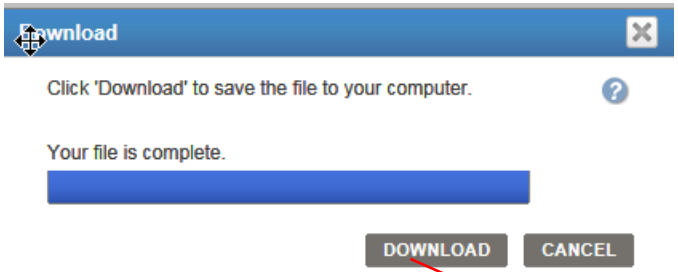


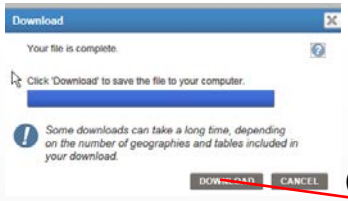
Download Data







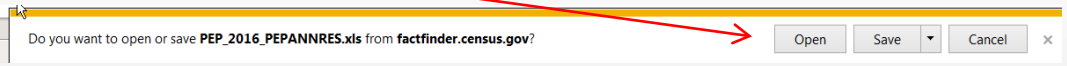


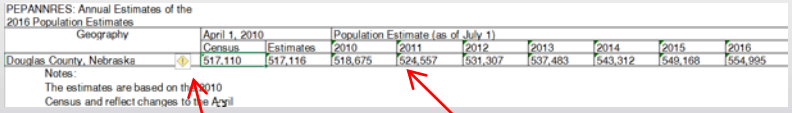


Output file is a PDF or *.XLS

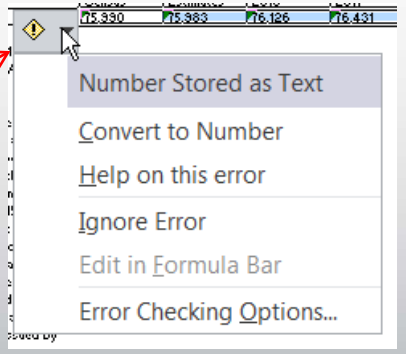
(If File dialog does not appear Check Popup blocker and turn off)

Output file is a Zip file with *.CVS files





Notice the Yellow Triangle And green triangles in each Cell upper left corner.



Select all cells with green arrows, Hover over yellow triangle, Select Down arrow, Select "Convert to number"
Now the cells are filterable

Continue the Conversation

312 636 2552

Email david.f.schuler@census.gov
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