1	DATA MAPPING COMPUTER TRAINING
	AUGUST 13, 2013 NSDC DATA USER CONFERENCE
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3	 DATA MAPPING APPLICATIONS We are going to explore three free, web-based applications for creating thematic (choropleth) maps. American FactFinder ArcGIS Online Google Fusion Tables
	American FactFinder is a product from the U.S. Census Bureau. One feature of American FactFinder is the ability to see geographic patterns in data by viewing the data on a map.
	Limitations: Can only map data found in American FactFinder. Cannot upload other data. Unfriendly printing capability.
4	Steps to create a map in American FactFinder
	Select a table with the data you want to map
	Click Create a Map
	Select cell with dataClick Show Map
	Manipulate the map with zoom, changing symbology, boundaries and features
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	www.census.gov
6	Exercise 1 - Percent of population 25 years and over with a Bachelor's degree or higher for Nebraska counties
	Create a basic map
	Change transparency
	Change color and data classesPrinting options
- I	
7	 Exercise 2 – Population below poverty for Douglas County census tracts Sticky settings
	Select boundaries and features
	• Legend
	Change the geography of a map

	GIS Online is a collaborative, cloud-based platform that lets members of an anization create, share, and access maps, applications, and data.
	vantages are that it has a lot of preloaded data layers available and the ability to oad data.
hav	itations: Must create an account in order to save, share or print a map. User must e access to shapefiles and capability to edit .dbf files. No user defined classes. abology and other map manipulation is limited. Unfriendly printing capability.
• (C	ps to create a map in ArcGIS Online Choose an area Choose a basemap Add data layers on top of basemap Add additional features
10 🔲	Change the symbology
11 Exe • M • M • B • S	w.arcgis.com/home/ rcise 3 – Nebraska counties Make a map feature Menus Basemap options Bearch for layers Add layers Access the features of content menu
• C	commons formats are data files in .csv and shapefiles in .zip folders to create thematic maps you must add a shapefile; these can be downloaded from www.census.gov
• III • C • C	rcise 4 – Number of Keno licenses per 100 population for Nebraska counties in 2011 mport layers Change symbology Change attributes Change name of layer View data
	ogle Fusion Tables is an experimental data visualization web application to gather, ualize, and share larger data tables.

It works best in Chrome.

Limitations: Must have a google account. User must have access to .kml files. There is no label capability.

15 Steps to create a map in Google Fusion Tables

- Upload data and geometry files
- Merge the files
- Change the symbology and layout of the map
- Share

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www.google.com

17 Preparing files to use with Fusion Tables

- Generally requires two files with a common field used to merge the files (can have different fields names but content must be exactly the same)
- Common formats are data files in .csv and geometry files in .kml
- Some kml files are available at www.census.gov; or simply convert .shp file to .kml using converter

18 Exercise 5 – Median age for census tracts in Lancaster county for 2010

- Import tables
- · Determine merge fields
- Merge files
- Add map
- · Change map styles
- Add legend
- Share and publish map

19 OTHER MAPPING APPLICATIONS AND RESOURCES

This training focused on free, web-based applications for thematic mapping.

Please see the handout for a list of other applications, resources and recommended reading.

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