WHAT SHAPEFILES ARE AVAILABLE?

5-digit ZIP Code Tabulation Areas Alaska Native Regional Corporations American Indian/Alaska Native/Native Hawaiian Areas American Indian Area Tribal Subdivisions Blocks Block Groups

Combined New England City and Town Areas

Congressional Districts
Consolidated Cities
Counties and equivalents
County Subdivisions

Census Tracts

Landmarks (Point and Area)

Metropolitan/Micropolitan Statistical Areas

Metropolitan Divisions

Military Installations

New England City and Town Areas

New England City and Town Area Divisions

Places

Public Use Microdata Areas

Roads, Rails, Rivers, etc.

School Districts - Elementary, Secondary,

and Unified

State and State Equivalents

State Legislative Districts - Upper and

Lower

Tribal Block Groups

Tribal Census Tracts

Urban Areas

Voting Districts

And Many More

Questions

Visit:

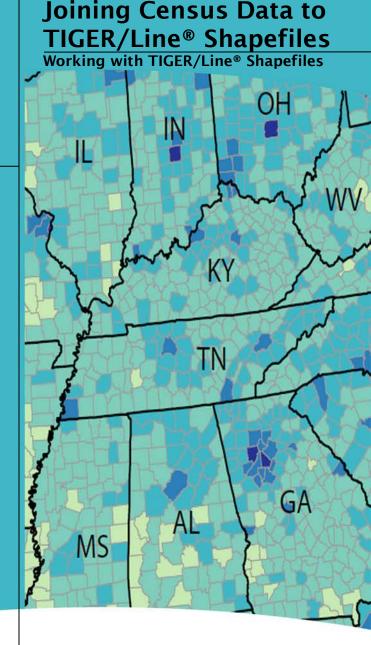
http://www.census.gov/geo

E-mail:

geo.tiger@census.gov

Call:

(301) 763-1128









GETTING STARTED

The instructions are for the 10.x versions of ArcGIS.

The data from American FactFinder should be downloaded and saved in a Microsoft Excel Workbook format. See the brochure "Downloading Data from American FactFinder to use with TIGER/Line Shapefiles" for detailed steps. The corresponding TIGER/Line Shapefiles should be unzipped in a location on your computer. See the brochure "Downloading TIGER/Line Shapefiles" for detailed steps.

OPEN ARCMAP

Open ArcMap and add the TIGER/Line
Shapefiles for the area of interest to the
map using the "Add Data" icon or
"File - Add Data - Add Data."

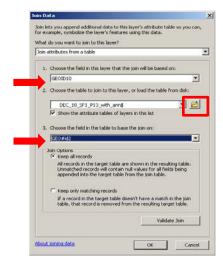
CREATING THE JOIN

Both the data file and the TIGER/Line Shapefiles contain fields that uniquely identify a geographic entity. These fields are necessary for creating a join.

In ArcMap, right-click on the TIGER/Line Shapefile that the data will be joined to. Select "Joins and Relates." From the submenu, select "Join."



A new screen appears where you select the field from the shapefile that will be used to join the data. You want the field with the fully qualified geographic code. In the 2010 shapefiles the field is GEOID10. In later versions of the shapefiles, the field is GEOID. The TIGER/Line Shapefiles technical documentation has more information on the record layouts and definition of each field.



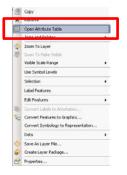
The next step is to select the data file. Use the browse (open folder icon) option to navigate to the data file. This is the Microsoft Excel Workbook file you created.

The final step is to choose the field from the data table to base the join on. The fully qualified geographic code in the American FactFinder data download is in a field named "GEO#id2" (ArcGIS changes the "." from the original file to "#"). You have two join options: "Keep all records" or "Keep only matching records." Click "OK."

SEEING THE DATA

ArcMap builds a relationship between the shapefile and the data file. To see the data, open the attribute table for the shapefile by

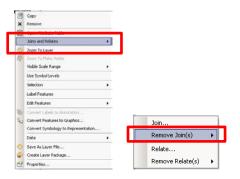
right clicking on the shapefile name and select "Open Attribute Table."



The table now has the attributes from both the shapefile and the data table. The data can be used to create thematic maps or for other analysis. Multiple files can be joined to the shapefile.

REMOVING THE JOIN

Removing the data join is similar to creating the join. Right-click the shapefile layer that is joined to the data to be removed. Select "Joins and Relates." This time select "Remove Joins." Select the join to be removed or select "Remove All Joins."



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