

Utilizing Data from American FactFinder with TIGER/Line Shapefiles in ArcGIS

Web Adams, GISP
Data Dissemination Specialist
U.S. Census Bureau
New York Regional Office

What We Do

- **Decennial Census**
 - Every 10 years, Counts Residents
- **American Community Survey (ACS)**
 - Annual Social, Economic and Housing data
- **Other Surveys and Censuses**
 - Population Estimates
 - Economic Census

2010 Census vs. ACS

**2010
Census**

100 % Data

How many
people live in
the U.S.?

Point in time
April 1, 2010

Count - People,
Housing units

**American
Community
Survey**

=

**2000 Long Form
SF3 & SF4**

Sample Data

How do people
live in the U.S.?

Period in Time
1yr, 3yr, 5yr

Characteristics
Income, Poverty,
Education

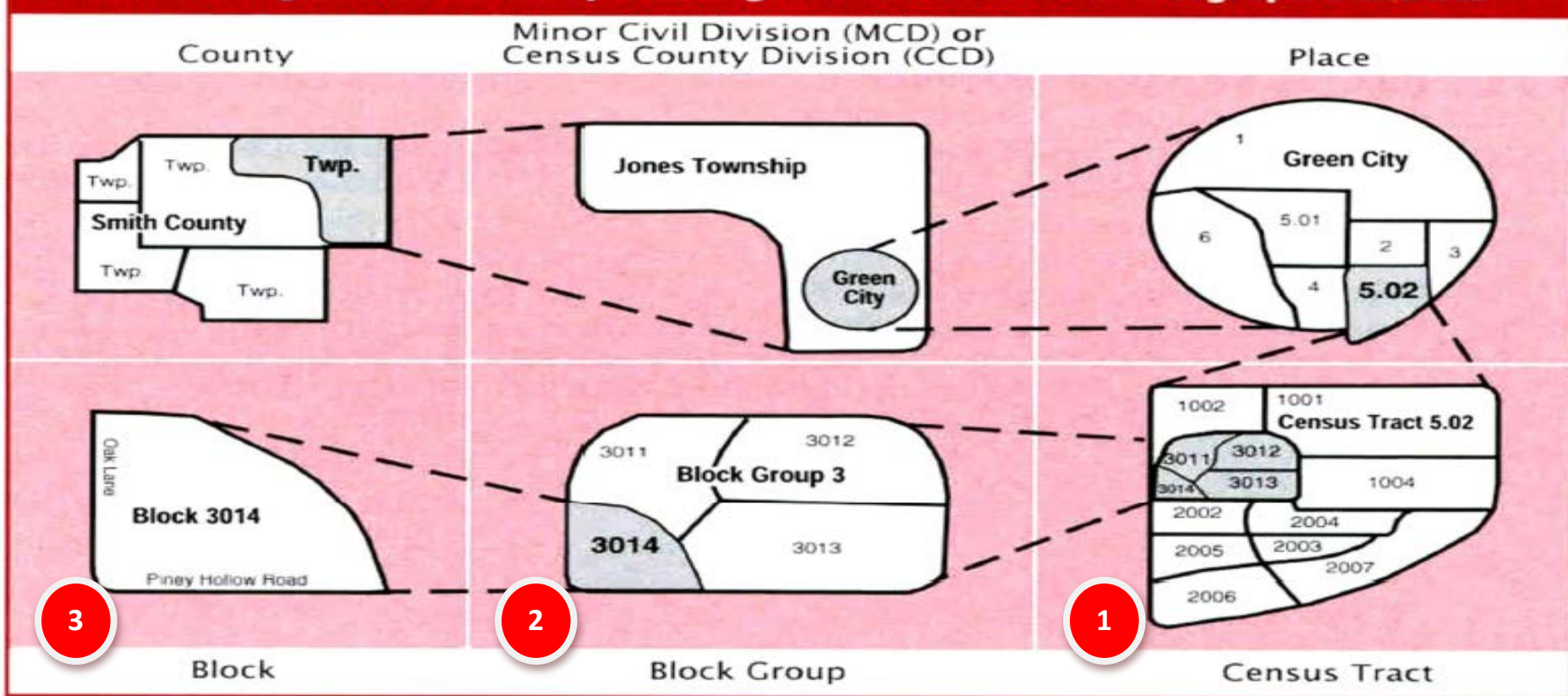
The diagram illustrates the hierarchy of geographic divisions in the United States, starting from the Nation and branching down to Census Blocks. The divisions are color-coded and connected by lines indicating their relationships.

- NATION** (Black)
 - REGIONS** (Blue)
 - DIVISIONS** (Purple)
 - STATES** (Green)
 - Counties** (Purple)
 - Voting Districts (Pink)
 - Traffic Analysis Zones (Pink)
 - County Subdivisions (Pink)
 - Subminor Civil Divisions (Red)
 - Census Tracts (Dark Purple)
 - Block Groups (Teal)
 - Census Blocks (Black)
 - Urban Growth Areas (Green)
 - State Legislative Districts (Green)
 - Public Use Microdata Areas (Green)
 - Places (Green)
 - ZIP Code Tabulation Areas (Blue)
 - School Districts (Green)
 - Congressional Districts (Green)
 - Urban Areas (Blue)
 - Core Based Statistical Areas (Blue)

AIANNH Areas* (American Indian, Alaska Native, Native Hawaiian Areas) are shown as a separate category connected to Block Groups.

Census Small-Area Geography

Understanding the Relationships Among U.S. Census Bureau Geographic Entities



1. **Census Tracts** – are small, relatively permanent statistical areas of a county and generally have a population of 1,500 to 8,000 (optimum **4,000**)
2. **Block Groups** – are statistical areas of a census tract and generally have a population of 600 to 3,000 (optimum **1,500**)
3. **Blocks** – are the smallest area within a census tract for which 100% data is tabulated. Many blocks correspond to individual city blocks bounded by streets, but blocks – especially in rural areas – may include many square miles and may have some boundaries that are not streets.

3 Methods of Acquiring TIGER GIS Files

- Via American Fact Finder
 - Flexible, user may select the geographies of immediate interest
 - Only a single data field per downloaded shapefile
- Via TIGER website
 - Contains index field (GEOID) to join with all downloaded Census Bureau data tables
 - Less flexible, may only download by state or county
- TIGER Geodatabase

www.census.gov Select 'Data Tools and Apps' then 'American FactFinder'

The screenshot shows the United States Census Bureau website. A red arrow points to the search bar at the top right. A red box highlights the 'Data Tools and Apps' link in the top navigation bar. A red circle highlights the 'Data Tools and Apps' link in the dropdown menu. Another red circle highlights the 'American FactFinder' link in the 'Data Tools and Apps' dropdown menu.

United States Census Bureau

Topics: Population, Economy | Geography: Maps, Geographic Data | Library: Infographics, Publications | **Data: Tools, Developers** | About the Bureau: Research, Surveys | Newsroom: News, Events, Blogs

Search

Data Tools and Apps
Find information using interactive applications to get statistics from multiple surveys.

- American FactFinder**
- Census Explorer
- Easy Stats
- Interactive Population Map
- My Congressional District
- Population Clock
- Quick Facts

County Population and Housing

West dominated the list of fastest-growing counties between 2012 and 2013, claiming seven of which were in Texas. San Jose and Georgetown -- each near the top of the 10 fastest-growing cities of 50,000 or more.

1 2 3 4 5 6 7

Census Bureau Economic Indicators

Indicator	Value	Change
Construction Spending	\$953.5 B	0.2%*
Advance Report Durable Goods	\$239.9 B	0.8%*
New Residential Sales	433,000	0.8%*

World Population

3 1 8 1 5 6 9 5 4

7 1 7 0 0 6 2 9 9 3

Jun 02, 2014 22:35 UTC (+4)

people, business, and geography.

Select a state to begin

Latest News

Online Shopping and Mail Order Businesses Jump 27 Percent
May 29, 2014
Electronic shopping is showing rapid growth compared to the rest of the retail trade sector.

Anniversary of Americans with Disabilities Act: July 26
May 28, 2014
Disabilities Act prohibits discrimination against people with disabilities in employment, transportation, public accommodations, and government services.

"New Trends in Farming" Live on C-SPAN's "America by the Numbers"

Stat of the Day

Asians
The Asian alone or in combination population in California in 2012 was 6.0 million. The state had the largest Asian population, followed by New York (1.7 million).

Read More

Are You in a Survey?
Learn more >>

AFF Homepage



Feedback FAQs Glossary Help

MAINCOMMUNITY FACTSGUIDED SEARCH**ADVANCED SEARCH**DOWNLOAD OPTIONSEnglishEspañol

 Good News! We've released the new American FactFinder. If you're having any issues viewing the new site, [click here](#) for more information.

**Community Facts**

Find popular facts (population, income, etc.) and frequently requested data about your community.

Enter a state, county, city, town, or zip code:

**Guided Search**

**Advanced Search**

**Download Options**



American FactFinder provides access to data about the United States, Puerto Rico and the Island Areas. The data in American FactFinder come from several censuses and surveys. For more information see [Using FactFinder](#) and [What We Provide](#).

News and Notes



Jan 29, 2013

The Demographic Profile for American Samoa is available...



• Click on Advanced Search



▶ Community Facts

▶ Guided Search

▼ Advanced Search

Search all data in American FactFinder, with access to all geographic types and datasets.

[SHOW ME ALL](#)

▶ Download Center



American FactFinder provides access to data about the United States, Puerto Rico and the Island Areas. The data in American FactFinder come from several censuses and surveys. For more information see [Using FactFinder](#) and [What We Provide](#).

Using American FactFinder

Learn about American FactFinder's [functions and features](#).

What We Provide

The following data are available on American FactFinder:

▶ American Community Survey [more »](#) ▶ Last data

News and Notes

[GET EMAIL UPDATES](#)

Apr 29, 2014

Data from the 2012 Census of Governments: Finance - Survey of Public Pensions: State- and Locally-Administered Defined Benefit Data...



[view all news, release schedules, and more »](#)

Address Search

Find Census data by entering a [street address](#).



To Select All Municipalities in Essex Co., NJ

U.S. Department of Commerce
United States Census Bureau

AMERICAN FactFinder

Feedback FAQs Glossary Help

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections
'Your Selections' is empty

To search for tables and other files in American FactFinder:

Enter search terms and an optional geography and click GO

Select Geographies [CLOSE X]

List Name Address Map

Select geographies to add to Your Selections ?

Select from: ☒ most requested geographic types ☐ all geographic types

Select a geographic type:
..... County Subdivision - 060

Select a state:
New Jersey

Select a county:
Essex

Select one or more geographic areas and click Add to Your Selections:

- All County Subdivisions within Essex County, New Jersey
- Belleville township, Essex County, New Jersey
- Bloomfield township, Essex County, New Jersey
- Caldwell borough, Essex County, New Jersey
- Cedar Grove township, Essex County, New Jersey
- City of Orange township, Essex County, New Jersey
- East Orange city, Essex County, New Jersey
- Essex Fells borough, Essex County, New Jersey
- Fairfield township, Essex County, New Jersey
- Glen Ridge borough, Essex County, New Jersey

ADD TO YOUR SELECTIONS

Didn't find your geographic type? Click the 'all geographic types' radio button above, or try the Name, Address or Map geography search options instead.

To Select For Individual Income

U.S. Department of Commerce
United States Census Bureau

AMERICAN **FactFinder**

Feedback FAQs Glossary Help

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections

Search using...
County Subdivision
All County Subdivisions within
Essex County, New Jersey

clear all selections and start a new search

Search using the options below:

Topics
(age, income, year, dataset, ...)

Geographies
(states, counties, places, ...)

Race and Ethnic Groups
(race, ancestry, tribe)

Industry Codes
(NAICS industry, ...)

EEO Occupation Codes
(executives, analysts, ...)

Select Topics

Select Topics to add to 'Your Selections'

- People
 - Basic Count/Estimate
 - Age & Sex
 - Age Group
 - Disability
 - Education
 - Employment
 - Income & Earnings
 - Income/Earnings (Households) (2,841)
 - Income/Earnings (Individuals) (2,081)**
 - Insurance Coverage
 - Language
 - Marital & Fertility Status
 - Origins
 - Population Change
 - Poverty
 - Relationship
 - Veterans
- Housing

Note: The Race & Ethnicity topic is available under the Race and Ethnic Groups button on the left.

☐ Include archived products in your search

Search Results: 1-25 of 27,500 tables and other products match 'Your Selections' per page: 25

1 2 3 4 5

Show results from: All available years

	Dataset	About
	2013 ACS 1-year estimates	i
	2013 ACS 3-year estimates	i
	2013 ACS 1-year estimates	i
	2013 ACS 3-year estimates	i
	2013 ACS 1-year estimates	i
	2013 ACS 3-year estimates	i
	2013 ACS 1-year estimates	i
	2013 ACS 3-year estimates	i
	2013 ACS 1-year estimates	i
	2013 ACS 3-year estimates	i
	2013 ACS 1-year estimates	i
	2013 ACS 3-year estimates	i
	2013 ACS 1-year estimates	i
	2013 ACS 3-year estimates	i

To Select For Per Capita Income

U.S. Department of Commerce
United States Census Bureau

AMERICAN **FactFinder**

Feedback FAQs Glossary Help

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections

Search using...
Search: "B19301: PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2005 INFLATION-ADJUSTED DOLLARS)"
People: Income & Earnings: Income/Earnings (Individuals)
County Subdivision
All County Subdivisions within Essex County, New Jersey
clear all selections and start a new search

Search using the options below:

Topics
(age, income, year, dataset, ...)

Geographies
(states, counties, places, ...)

Race and Ethnic Groups
(race, ancestry, tribe)

Industry Codes
(NAICS industry, ...)

EEO Occupation Codes
(executives, analysts, ...)

Search Results: 1-21 of 21 tables and other products match 'Your Selections' per page: 25

Refine your search results:

☒ topics ☐ race/ancestry ☐ industries ☐ occupations

2 Selected:

Show results from: All available years

ID	Table, File or Document Title	Dataset	About
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2013 INFLATION-ADJUSTED DOLLARS)	2013 ACS 1-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2013 INFLATION-ADJUSTED DOLLARS)	2013 ACS 3-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2012 INFLATION-ADJUSTED DOLLARS)	2012 ACS 1-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2012 INFLATION-ADJUSTED DOLLARS)	2012 ACS 3-year estimates	?
☒ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2012 INFLATION-ADJUSTED DOLLARS)	2012 ACS 5-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2011 INFLATION-ADJUSTED DOLLARS)	2011 ACS 1-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2011 INFLATION-ADJUSTED DOLLARS)	2011 ACS 3-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2011 INFLATION-ADJUSTED DOLLARS)	2011 ACS 5-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2010 INFLATION-ADJUSTED DOLLARS)	2010 ACS 1-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2010 INFLATION-ADJUSTED DOLLARS)	2010 ACS 3-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2010 INFLATION-ADJUSTED DOLLARS)	2010 ACS 5-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2010 INFLATION-ADJUSTED DOLLARS)	2010 ACS 5-year Selected Population Tables	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2009 INFLATION-ADJUSTED DOLLARS)	2009 ACS 1-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2009 INFLATION-ADJUSTED DOLLARS)	2009 ACS 3-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2009 INFLATION-ADJUSTED DOLLARS)	2009 ACS 5-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2008 INFLATION-ADJUSTED DOLLARS)	2008 ACS 1-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2008 INFLATION-ADJUSTED DOLLARS)	2008 ACS 3-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2007 INFLATION-ADJUSTED DOLLARS)	2007 ACS 1-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2007 INFLATION-ADJUSTED DOLLARS)	2007 ACS 3-year estimates	?
☐ B19301	PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2006 INFLATION-ADJUSTED DOLLARS)	2006 ACS	?

The Data Table

U.S. Department of Commerce
United States Census Bureau

AMERICAN FactFinder

Feedback FAQs Glossary Help

MAIN COMMUNITY FACTS GUIDED SEARCH ADVANCED SEARCH DOWNLOAD CENTER

Advanced Search - Search all data in American FactFinder

1 Advanced Search 2 Table Viewer

Result 2 of 2 VIEW ALL AS PDF

B19301 PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2012 INFLATION-ADJUSTED DOLLARS)
Universe: Total population
2008-2012 American Community Survey 5-Year Estimates

Table View

BACK TO ADVANCED SEARCH

Actions:

Modify Table
Bookmark
Print
Download
Create a Map

Click on a data value in the table to map.

View Geography Notes View Table Notes

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

1 of 1

1 - 18 of 44

	Belleville township, Essex County, New Jersey		Bloomfield township, Essex County, New Jersey		Caldwell borough, Essex County, New Jersey		Cedar Grove township, Essex County, New Jersey		City of Orange township, Essex County, New Jersey		East Orange city, Essex County, New Jersey		Essex Fells borough, Essex County, New Jersey		Fairfield township, Essex County, New Jersey		Glen Ridge borough, Essex County, New Jersey	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Per capita income in the past 12 months (in 2012 inflation-adjusted dollars)	28,857	+/-1,147	33,570	+/-1,193	42,995	+/-5,076	46,891	+/-3,587	18,665	+/-1,090	21,342	+/-796	90,248	+/-9,550	45,120	+/-4,944	68,122	+/-7,773

1 - 18 of 44

Source: U.S. Census Bureau, 2008-2012 American Community Survey

The Map & Download Interface

The screenshot displays the 'Map & Download Interface' for the 'PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2012 INFLATION-ADJUSTED DOLLARS)' dataset. The interface includes a 'Table View' and 'Map View' tab, with 'Map View' selected. A 'Download' button is highlighted with a red box. The map shows a thematic map of Essex County, Massachusetts, with per capita income data by county subdivision. A legend on the left lists data classes and features. A 'Download' dialog box is open, showing options for download format and presentation-ready formats. The 'Spatial Data formats' section is highlighted with a red box, showing 'Shapefiles (.zip)' as the selected option. The dialog box also includes a 'Map Title' field and 'OK' and 'CANCEL' buttons.

819301 | PER CAPITA INCOME IN THE PAST 12 MONTHS (IN 2012 INFLATION-ADJUSTED DOLLARS)
Universe: Total population ⓘ
2008-2012 American Community Survey 5-Year Estimates

Table View | Map View | BACK TO ADVANCED SEARCH

Actions: Bookmark | Print | **Download** | Show Statistical Significance | Create a D

Thematic Map of Estimate: Per capita income in the past 12 months (in 2012 inflation-adjusted Geography: by County Subdivision

View Table Notes

Legend

Data Classes

Persons

- 17161 - 21342
- 20857 - 33570
- 39972 - 50531
- 59196 - 68122
- 76174 - 90248

Boundaries

- State
- 12 County

Features

- Major Road
- Street
- Stream/Waterbody

Items in grey text are not visible at this zoom level

Modify the map using the options below:

- Colors and Data Classes
- Boundaries and Features
- Find a Location
- Map Markers

Source: U.S. Census Bureau, 2008-2012 American Community Survey

Download

Select a download format and click OK. ⓘ

Comma delimited (.csv) format (data rows only)
(.csv is compatible with spreadsheet programs such as Microsoft Excel)

- ☐ Data and annotations in a single file
- ☐ Data and annotations in separate files
- ☒ Include descriptive data element names

Presentation-ready formats

- ☐ PDF
- ☐ JPEG image (.jpg)
- ☐ Microsoft Excel (.xls)
- ☐ Rich Text Format (.rtf)

Orientation

- ☒ Portrait
- ☐ Landscape

Paper size

- ☒ 8 1/2" x 11"
- ☐ 8 1/2" x 14"

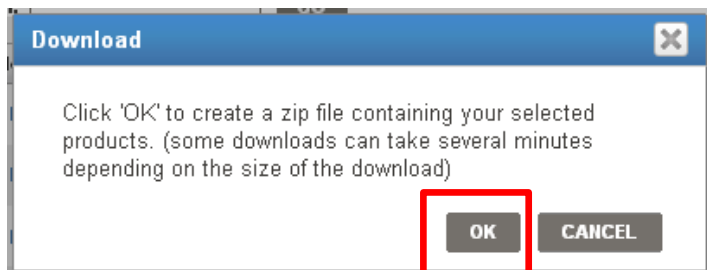
Map Title:

Spatial Data formats

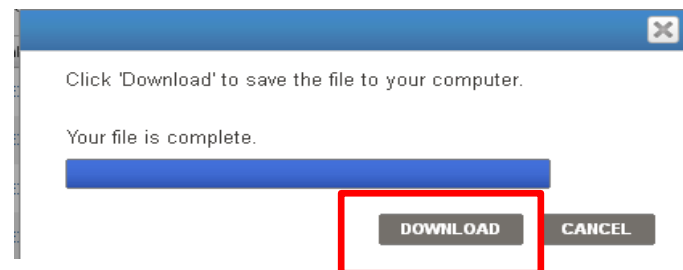
- ☒ Shapefiles (.zip)
(includes the data used to create the map in .csv format)

[PDF] or Indicate a document in Adobe's Portable Document Format. To view the file you will need the Adobe® Acrobat® Reader available free from Adobe.

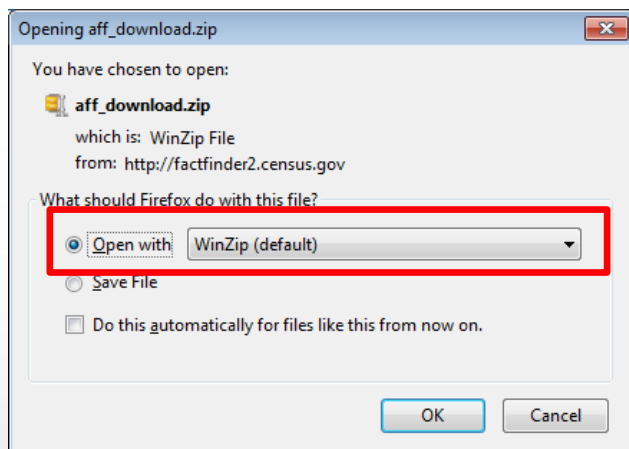
OK CANCEL



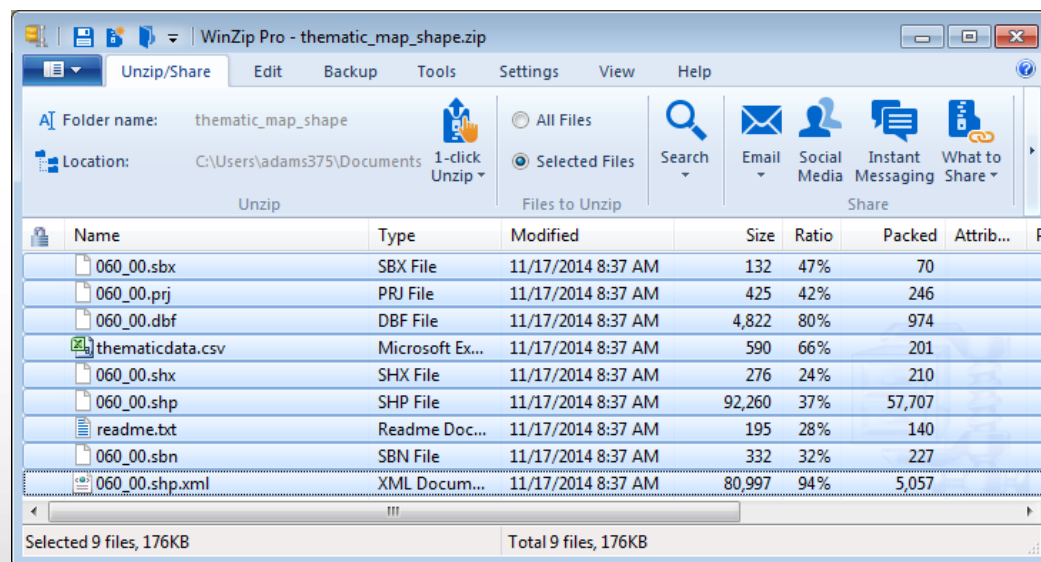
- Click **OK**.



- Click **Download**.



- Open with **WinZip**



Select All & Drag & Drop Into Local Folder

Open In ArcMap

Join lets you append additional data to this layer's attribute table so you can, for example, symbolize the layer's features using this data.

What do you want to join to this layer?

Join attributes from a table

1. Choose the field in this layer that the join will be based on:

GEO_ID

2. Choose the table to join to this layer, or load the table from disk:

Show the attribute tables of layers in this list

3. Choose the field in the table to base the join on:

Join Options

☒ Keep all records

All records in the target table are shown in the resulting table. Unmatched records will contain null values for all fields being appended into the target table from the join table.

☐ Keep only matching records

If a record in the target table doesn't have a match in the join table, that record is removed from the resulting target table.

Validate Join

OK Cancel

About joining data

Table

060_00

FID	Shape *	GEO_ID	AREA	SHA
0	Polygon	0600000US3401304695	34	013
1	Polygon	0600000US3401306260	34	013
2	Polygon	0600000US3401309250	34	013
3	Polygon	0600000US3401311200	34	013

(0 out of 22 Selected)

060_00

Name: thematicdata.csv

Show of type: Tables and feature classes

Add Cancel

Location: 060_00.shp

- FolderRedir
- hddbkup
- My Music
- My Pictures
- My Videos
- Notes
- Oracle
- SecretAgent
- shapefiles
- SmartArt Graphics
- Snagit
- Templates
- Web Data
- WINDOWS
- WorkSpace
- 2020QC
- AFF
- ALMI
- ASE
- Conflation_Review
- Congressional
- DataReleases
- Downloaded_tables
- DRP
- Econ
- MTAIP
- PDB
- PowerPoints
- State&County
- SDC_Letters
- shapefiles
- 060_00.shp
- readme.txt
- thematicdata.csv
- tl_2010_34013_tract10
- Essex.mxd
- EssexChildren.xlsx
- EssexCountyMOD4.dbf
- EssexCountyParcels.shp

-8289369.051 4992061.023 Meters

Join In ArcMap

Join Data

Join lets you append additional data to this layer's attribute table so you can, for example, symbolize the layer's features using this data.

What do you want to join to this layer?

Join attributes from a table

1. Choose the field in this layer that the join will be based on:

GEO_ID

2. Choose the table to join to this layer, or load the table from disk:

thematicdata.csv

☒ Show the attribute tables of layers in this list

3. Choose the field in the table to base the join on:

GEO_ID

☒ Keep all records

All records in the target table are shown in the resulting table. Unmatched records will contain null values for all fields being appended into the target table from the join table.

☐ Keep only matching records

If a record in the target table doesn't have a match in the join table, that record is removed from the resulting target table.

Validate Join

OK Cancel

Table

060_00

FID	Shape *	GI
0	Polygon	06000000US3401304895
1	Polygon	06000000US3401306260
2	Polygon	06000000US3401309250
3	Polygon	06000000US3401311200

060_00

0 out of 22 Selected

SHAPE_AREA SHAPE_LEN

SHAPE_AREA	SHAPE_LEN
15377545.0101	20011.162293
24124809.8186	29496.248582
5286348.52626	11748.091279
19836928.174	21933.654461

EssexCountyParcels.shp

-8291448.756 4993516.817 Meters

Categorize by 'DATA_VALUE'

The screenshot displays the ArcMap interface with a map of Essex County, Massachusetts, categorized by the 'DATA_VALUE' field. The map is color-coded from light yellow to dark brown. The 'Layer Properties' dialog box is open, showing the 'Quantities' tab with a color ramp and a table of ranges. The 'Table' window shows the data table with a red box around the 'DATA_VALUE' column.

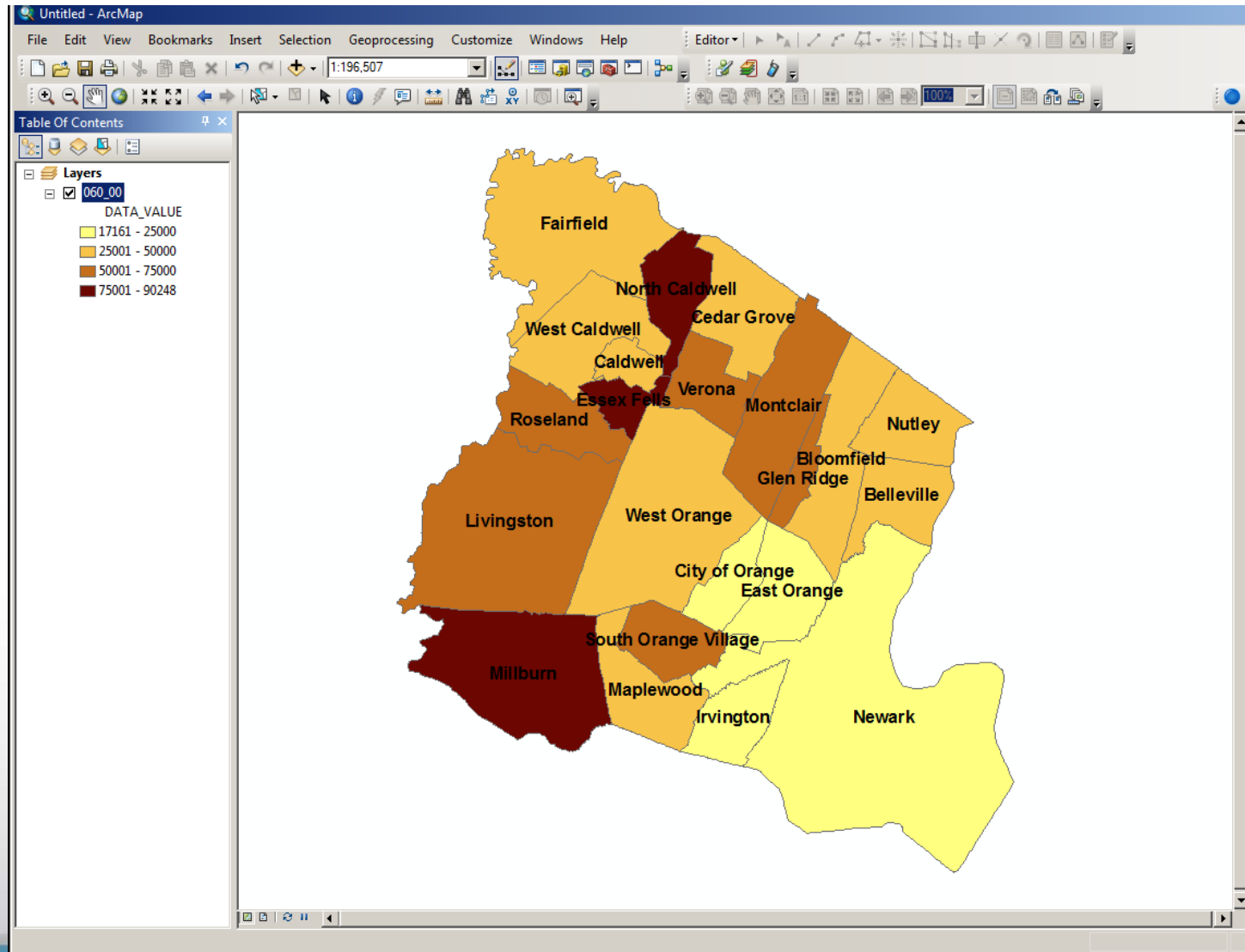
Layer Properties - Quantities

Symbol	Range	Label
[Light Yellow]	17161 - 25000	17161 - 25000
[Yellow]	25001 - 50000	25001 - 50000
[Orange]	50001 - 75000	50001 - 75000
[Dark Orange]	75001 - 90248	75001 - 90248

Table

COUNTY	COUSUB	NAME	LSAD	SHAPE_AREA	SHAPE_LEN	GEO_ID	DATA_VALUE
013	04695	Belleville	twp	15377545.0101	20011.162293	06000000US3401304695	28857
013	06260	Bloomfield	twp	24124809.8186	29496.248582	06000000US3401306260	33570
013	06250	Calverton	hwn	5288348.52828	11748.061270	06000000US3401306250	42005

Categorized With Labels



To Select Tracts Along a Rivershed

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections
"Your Selections" is empty

To search for tables and other files in American FactFinder:

Enter search terms and an optional geography and click GO

Select Geographies [CLOSE X]

List	Name	Address	Map
------	------	---------	-----

Search using the options below:

- Topics (age, income, year, dataset, ...)
- Geographies (states, counties, places, ...)**
- Race and Ethnic Groups (race, ancestry, tribe)
- Industry Codes (NAICS industry, ...)
- EEO Occupation Codes (executives, analysts, ...)

Select Geographies

Select

State

from the map using one of the following selection tools:

Legend

- Boundaries**
 - State
 - 13 County
- Features**
 - Major Road
 - Street
 - Stream/Waterbody

Items in grey text are not visible at this zoom level

Modify the map using the options below:

Boundaries and Features

Find a Location

Find by

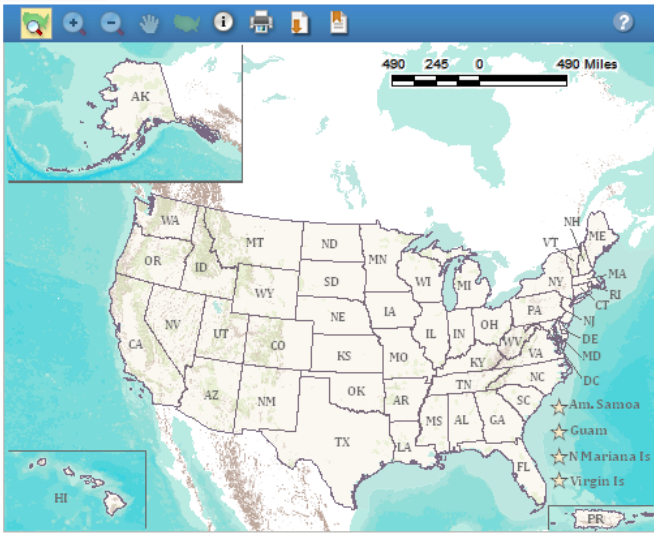
place name

Search for a geographic area:

Paterson, NJ **GO**

Search results for Paterson, NJ:

- 5-Digit ZIP Code
- Place within State
 - Paterson city, New Jersey
 - West Paterson borough, New Jersey
- Estimates Universe Place
- Economic Place



To Select Tracts Along a Rivershed

Your Selections
'Your Selections' is empty

Search using the options below:

Topics
(age, income, year, dataset, ...)

Geographies
(states, counties, places, ...)

Race and Ethnic Groups
(race, ancestry, tribe)

Industry Codes
(NAICS industry, ...)

EEO Occupation Codes
(executives, analysts, ...)

To search for tables and other files in American FactFinder:

Select Geographies Enter search terms and an optional geography and click GO

Select Geographies

Select

Census Tract

from the map using one of the following selection tools:

Legend

Boundaries

☐ State

☐ '13 County

Features

Major Road

Street

Stream/Waterbody

Items in grey text are not visible at this zoom level

Modify the map using the options below:

Boundaries and Features

Find a Location

Map Markers

Display Boundaries and Features from 2013

Boundaries **Features**

Boundary	Label	Name
☐	☐	Region
☐	☐	Division
☐	☐	2013 County Subdivision
☐	☐	2013 Subbarrio
☒	☒	2013 Census Tract
☐	☐	2013 Block Group
☐	☐	2013 Place
☐	☐	2013 Consolidated City
☐	☐	2013 Alaska Native Regional Corporation
☐	☐	2013 American Indian Area/Alaska Native Area/Hawaiian Home Land
☐	☐	2013 Tribal Subdivision
☐	☐	2013 American Indian Area Off-Reservation Trust Lands/Hawaiian Home Land
☐	☐	2013 Tribal Census Tract
☐	☐	2013 Core Based Statistical Area
☐	☐	2013 Principal City of CBSA
☐	☐	2013 Metropolitan Division
☐	☐	2013 Combined Statistical Area
☐	☐	2013 Combined New England City and Town Area
☐	☐	2013 New England City and Town Area
☐	☐	2013 NECTA Division
☐	☐	2013 Urban Area

To Select Tracts Along a Rivershed

The screenshot shows the American FactFinder web application in a Firefox browser window. The address bar displays the URL: factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t. The main heading is "Search - Use the options on the left (topics, geographies, ...) to narrow your search results". Below this, there is a section for "Your Selections" which is currently empty. The "Search using the options below:" section lists several categories: Topics (age, income, year, dataset, ...), Geographies (states, counties, places, ...), Race and Ethnic Groups (race, ancestry, tribe), Industry Codes (NAICS industry, ...), and EEO Occupation Codes (executives, analysts, ...). A "Select Geographies" dialog box is open, showing a list of geographies with "Census Tract" selected. A red box highlights the "Map" button. The background map shows a rivershed area with various census tracts labeled with numbers. The map includes a scale bar (0.8 Miles) and a legend for boundaries and features.

Select Geographies

Enter search terms and an optional geography and click GO

List Name Address Map

Select Geographies

Select

Census Tract

from the map using one of the following selection tools:

Legend

Boundaries

- State
- '13 County
- '13 Census Tract

Features

- Major Road
- Street
- Stream/Waterbody

Items in grey text are not visible at this zoom level

Modify the map using the options below:

Boundaries and Features

Find a Location

Map Markers

To Select Tracts Along a Rivershed

Firefox

American FactFinder - Search

factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections

"Your Selections" is empty

To search for tables and other files in American FactFinder:

Enter search terms and an optional geography and click GO

Select Geographies

List Name Address Map

Select Geographies

Select

Census Tract

from the map using one of the following selection tools:

Search using the options below:

Topics
(age, income, year, dataset, ...)

Geographies
(states, counties, places, ...)

Race and Ethnic Groups
(race, ancestry, tribe)

Industry Codes
(NAICS industry, ...)

EEO Occupation Codes
(executives, analysts, ...)

Census Tract 172, Bergen County, New Jersey

Census Tract 2036, Passaic County, New Jersey

Census Tract 2642, Passaic County, New Jersey

Census Tract 173, Bergen County, New Jersey

Census Tract 1434, Passaic County, New Jersey

Census Tract 111, Bergen County, New Jersey

Census Tract 1810, Passaic County, New Jersey

Census Tract 1832, Passaic County, New Jersey

Census Tract 112, Bergen County, New Jersey

Census Tract 1811, Passaic County, New Jersey

Census Tract 113, Bergen County, New Jersey

Census Tract 1825, Passaic County, New Jersey

Census Tract 1815, Passaic County, New Jersey

Census Tract 1826, Passaic County, New Jersey

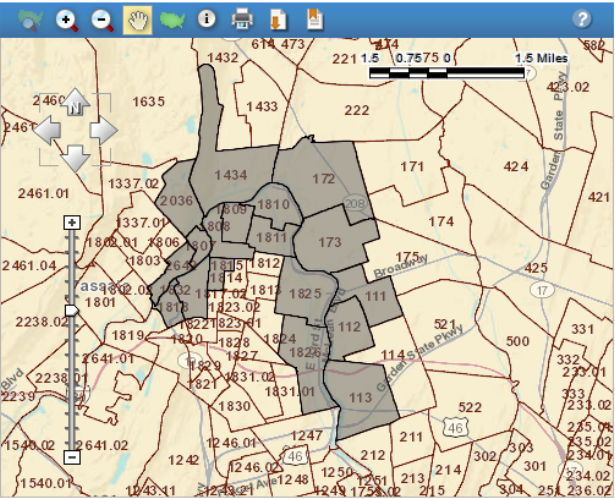
Census Tract 1807, Passaic County, New Jersey

Census Tract 1818, Passaic County, New Jersey

Census Tract 1808, Passaic County, New Jersey

Census Tract 1809, Passaic County, New Jersey

ADD TO YOUR SELECTIONS



The Selected Census Tracts

Select Geographies

List Name Address Map

Select Geographies

Select

Census Tract

from the map using one of the following selection tools:

Legend

Boundaries

- State
- '13 County
- '13 Census Tract

Features

- Major Road
- Street
- Stream/Waterbody

undefined

- Your Selections

Items in grey text are not visible at this zoom level

Modify the map using the options below:

Boundaries and Features

Find a Location

Map Markers

To Select for Children Under 18

The screenshot shows the American FactFinder web application interface. A modal window titled "Select Topics" is open, allowing users to add topics to their selections. The modal lists various topic categories such as People, Age & Sex, Disability, Education, Employment, Income & Earnings, Insurance Coverage, Language, Marital & Fertility Status, Origins, Population Change, Poverty, Relationship, Veterans, and Housing. Under the "Age & Sex" category, the "Age Group" sub-category is selected, which includes "Children (322)". A red box highlights the "Topics" button in the left sidebar and the "Age Group" selection in the modal. The background shows search results for "factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t".

To Select for Children Under 18

Firefox

American FactFinder - Search

factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

per page: 25

Search Results: 1-25 of 322 tables and other products match 'Your Selections'

Refine your search results:

topic or table name state, county or place (optional) GO

topics race/ancestry industries occupations

Your Selections

Search using...

People: Age Group: Children

Census Tract 64 selected

clear all selections and start a new search

Search using the options below:

Topics (age, income, year, dataset, ...)

Geographies (states, counties, places, ...)

Race and Ethnic Groups (race, ancestry, tribe)

Industry Codes (NAICS industry, ...)

EEO Occupation Codes (executives, analysts, ...)

Selected: View Download Compare Clear All

Show results from: All available years

ID	Table, File or Document Title	Dataset	About
DP03	SELECTED ECONOMIC CHARACTERISTICS	2012 ACS 5-year estimates	?
DP05	ACS DEMOGRAPHIC AND HOUSING ESTIMATES	2012 ACS 5-year estimates	?
S1002	GRANDPARENTS	2012 ACS 5-year estimates	?
S1101	HOUSEHOLDS AND FAMILIES	2012 ACS 5-year estimates	?
B05009	AGE AND NATIVITY OF OWN CHILDREN UNDER 18 YEARS IN FAMILIES AND SUBFAMILIES BY NUMBER AND NATIVITY OF PARENTS	2012 ACS 5-year estimates	?
B05010	RATIO OF INCOME TO POVERTY LEVEL IN THE PAST 12 MONTHS BY NATIVITY OF CHILDREN UNDER 18 YEARS IN FAMILIES AND SUBFAMILIES BY LIVING ARRANGEMENTS AND NATIVITY OF PARENTS	2012 ACS 5-year estimates	?
B09001	POPULATION UNDER 18 YEARS BY AGE	2012 ACS 5-year estimates	?
B09002	OWN CHILDREN UNDER 18 YEARS BY FAMILY TYPE AND AGE	2012 ACS 5-year estimates	?
B09005	HOUSEHOLD TYPE FOR CHILDREN UNDER 18 YEARS IN HOUSEHOLDS (EXCLUDING HOUSEHOLDERS, SPOUSES, AND UNMARRIED PARTNERS)	2012 ACS 5-year estimates	?
B09008	PRESENCE OF UNMARRIED PARTNER OF HOUSEHOLDER BY HOUSEHOLD TYPE FOR CHILDREN UNDER 18 YEARS IN HOUSEHOLDS	2012 ACS 5-year estimates	?
B09010	RECEIPT OF SUPPLEMENTAL SECURITY INCOME (SSI), CASH PUBLIC ASSISTANCE INCOME, OR FOOD STAMPS/SNAP IN THE PAST 12 MONTHS BY HOUSEHOLD TYPE FOR CHILDREN UNDER 18 YEARS IN HOUSEHOLDS	2012 ACS 5-year estimates	?
B09018	RELATIONSHIP TO HOUSEHOLDER FOR CHILDREN UNDER 18 YEARS IN HOUSEHOLDS	2012 ACS 5-year estimates	?
B10001	GRANDCHILDREN UNDER 18 YEARS LIVING WITH A GRANDPARENT HOUSEHOLDER BY AGE OF GRANDCHILD	2012 ACS 5-year estimates	?
B10002	GRANDCHILDREN UNDER 18 YEARS LIVING WITH A GRANDPARENT HOUSEHOLDER BY GRANDPARENT RESPONSIBILITY AND PRESENCE OF PARENT	2012 ACS 5-year estimates	?
B10010	MEDIAN FAMILY INCOME FOR FAMILIES WITH GRANDPARENT HOUSEHOLDERS AND/OR SPOUSES LIVING WITH OWN GRANDCHILDREN UNDER 18 YEARS BY RESPONSIBILITY FOR OWN GRANDCHILDREN AND PRESENCE OF PARENT OF GRANDCHILDREN	2012 ACS 5-year estimates	?
B10050	GRANDPARENTS LIVING WITH OWN GRANDCHILDREN UNDER 18 YEARS BY RESPONSIBILITY FOR OWN GRANDCHILDREN BY LENGTH OF TIME RESPONSIBLE FOR OWN GRANDCHILDREN FOR THE POPULATION 30 YEARS AND OVER	2012 ACS 5-year estimates	?
B10051	GRANDPARENTS LIVING WITH OWN GRANDCHILDREN UNDER 18 YEARS BY RESPONSIBILITY FOR OWN GRANDCHILDREN BY PRESENCE OF PARENT OF GRANDCHILDREN AND AGE OF GRANDPARENT	2012 ACS 5-year estimates	?
B10051A	GRANDPARENTS LIVING WITH OWN GRANDCHILDREN UNDER 18 YEARS BY RESPONSIBILITY FOR OWN GRANDCHILDREN AND AGE OF GRANDPARENT (WHITE ALONE)	2012 ACS 5-year estimates	?

Create A Map of the Selection

Firefox

American FactFinder - Results

factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_12_5YR_B09001&prodType=table

Census Bureau

MAIN | COMMUNITY FACTS | GUIDED SEARCH | ADVANCED SEARCH | DOWNLOAD CENTER

Advanced Search - Search all data in American FactFinder

1 Advanced Search 2 Table Viewer

Result 1 of 1 VIEW ALL AS PDF

B09001 POPULATION UNDER 18 YEARS BY AGE
Universe: Population under 18 years
2008-2012 American Community Survey 5-Year Estimates

Table View

Actions: Modify Table | Bookmark | Print | Download | **Create a Map**

Click on a data value in the table to map.

View Geography Notes | View Table Notes

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

<< 1 - 18 of 128 >>

	Census Tract 111, Bergen County, New Jersey		Census Tract 112, Bergen County, New Jersey		Census Tract 113, Bergen County, New Jersey		Census Tract 120.02, Bergen County, New Jersey		Census Tract 172, Bergen County, New Jersey		Census Tract 173, Bergen County, New Jersey		Census Tract 212, Bergen County, New Jersey		Census Tract 216, Bergen County, New Jersey		Census Tract 312, Bergen County, New Jersey	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total:	931	+/-164	1,025	+/-317	967	+/-181	529	+/-124	1,188	+/-152	1,611	+/-219	1,345	+/-206	1,429	+/-255	1,022	+/-211
In households:	931	+/-164	1,025	+/-317	967	+/-181	529	+/-124	1,188	+/-152	1,611	+/-219	1,345	+/-206	1,429	+/-255	1,022	+/-211
Under 3 years	194	+/-103	172	+/-85	192	+/-86	218	+/-90	276	+/-126	193	+/-114	211	+/-74	241	+/-86	292	+/-126
3 and 4 years	103	+/-67	105	+/-73	127	+/-75	50	+/-48	102	+/-56	160	+/-92	213	+/-107	195	+/-87	120	+/-55
5 years	72	+/-47	137	+/-73	14	+/-19	0	+/-12	76	+/-60	68	+/-73	42	+/-34	121	+/-82	21	+/-30
6 to 8 years	177	+/-86	63	+/-45	240	+/-108	94	+/-73	98	+/-67	170	+/-83	231	+/-87	191	+/-88	93	+/-71
9 to 11 years	76	+/-53	185	+/-74	111	+/-78	18	+/-29	219	+/-97	343	+/-104	87	+/-69	299	+/-95	118	+/-76
12 to 14 years	200	+/-97	184	+/-117	150	+/-85	96	+/-64	186	+/-83	318	+/-100	292	+/-78	159	+/-66	113	+/-63
15 to 17 years	109	+/-67	179	+/-71	133	+/-57	53	+/-47	231	+/-95	359	+/-115	269	+/-116	223	+/-85	265	+/-135
In group quarters	0	+/-12	0	+/-12	0	+/-12	0	+/-12	0	+/-17	0	+/-17	0	+/-17	0	+/-12	0	+/-12

Source: U.S. Census Bureau, 2008-2012 American Community Survey

Download A Shapefile

B09001 | POPULATION UNDER 18 YEARS BY AGE
Universe: Population under 18 years ⓘ
2008-2012 American Community Survey 5-Year Estimates

Table View | Map View

Actions: | Bookmark | Print | Download | Show Statistical Significance | Create a Different Map

Thematic Map of Estimate; Total:
Geography: by Census Tract

View Table Notes

Legend

Data Classes
Persons
236 - 612
695 - 931
967 - 1208
1263 - 1611
1644 - 2288

Boundaries
☐ State
☐ '12 County

Features
Major Road
Street
Stream/Waterbody
Items in grey text are not visible at this zoom level

Modify the map using the options below:

Colors and Data Classes

Boundaries and Features

Find a Location

Map Markers

Source: U.S. Census Bureau, 2008-2012 American Community Survey

Download

Select a download format and click OK. ?

Comma delimited (.csv) format (data rows only)
(.csv is compatible with spreadsheet programs such as Microsoft Excel)

☐ Data and annotations in a single file
☐ Data and annotations in separate files
☒ Include descriptive data element names

Presentation-ready formats

☐ PDF
☐ JPEG image (.jpg)
☐ Microsoft Excel (.xls)
☐ Rich Text Format (.rtf)

Orientation
☒ Portrait ☐ Landscape

Paper size
☒ 8 1/2" x 11"
☐ 8 1/2" x 14"

Map Title:

Spatial Data formats

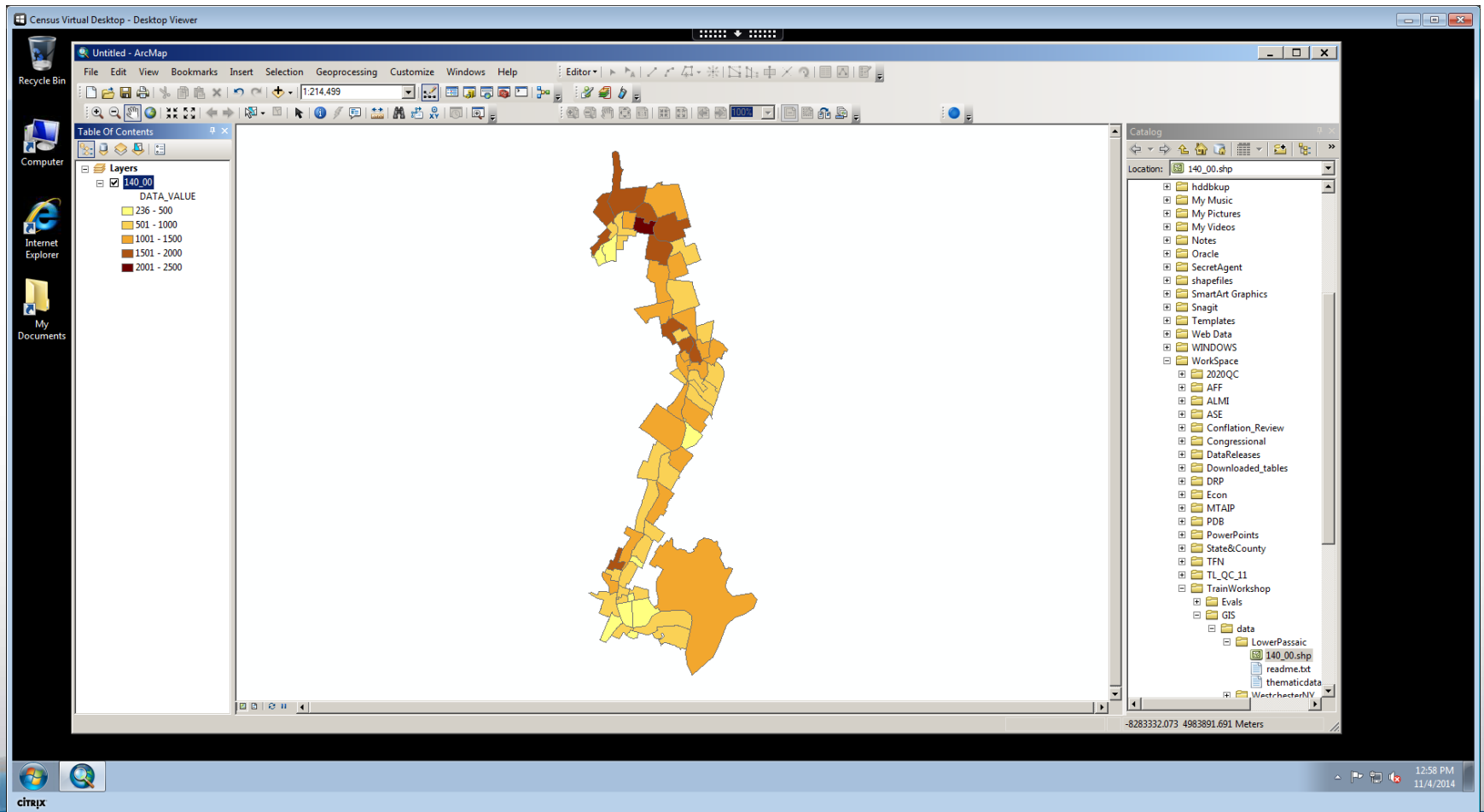
☒ Shapefiles (.zip)
(includes the data used to create the map in .csv format)

[PDF] or indicate a document in Adobe's Portable Document Format. To view the file you will need the Adobe® Acrobat® Reader available free from Adobe.

OK CANCEL

Census Tracts of the Lower Passaic River Valley

In ArcGIS



Downloading TIGER Shapefiles

- You will need the following to use these instructions:
 - An Internet browser – Internet Explorer or Mozilla Firefox.
 - A utility to unzip files, such as WinZip.
 - Data processing software, such as Microsoft Excel
 - Esri's ArcGIS, version 10.x
- In these instructions, we will map the 2013 median age by census tract for New Jersey.
- First, we will download the table from American FactFinder.
- Then, we will download the TIGER/Line Shapefile.
- Finally, we will join the two in ArcGIS.

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections

Search using...

Dataset:
2013 ACS 5-year estimates

People: Age & Sex:
Age

Census Tract
All Census Tracts within New Jersey

[clear all selections and start a new search](#)

Select Geographies

List Name Address Map

Select geographies to add to Your Selections

Select from: ☒ most requested geographic types ☐ all geographic types

Select a geographic type:
..... Census Tract - 140

Select a state:
New Jersey

Select a county:
-- select a county --

Select one or more geographic areas and click Add to Your Selections:

All Census Tracts within New Jersey

ADD TO YOUR SELECTIONS

Your Selections

Search using...

Dataset:
2013 ACS 5-year estimates

People: Age & Sex:
Age

Census Tract
All Census Tracts within New Jersey

[clear all selections and start a new search](#)

Search using the options below:

Topics
(age, income, year, dataset, ...)

Geographies
(states, counties, places, ...)

Race and Ethnic Groups
(race, ancestry, tribe)

Industry Codes
(NAICS industry, ...)

EEO Occupation Codes
(executives, analysts, ...)

- Now select the geography: all census tracts in New Jersey
 - Click **Geographies**.
 - There are four search method options: **List** (choose between most requested geographic types or all geographic types), **Name** (contains all geographic types), **Address**, and **Map**.
 - Using the **List** search method, select **Census Tract - 140** in the dropdown.
 - Select **New Jersey** as the state, and then **All Census Tracts within New Jersey**.
 - Click **Add to Your Selections**.
 - Close the Geographies Window using the **Close X** button.

U.S. Department of Commerce
United States Census Bureau

AMERICAN
FactFinder

Feedback FAQs Glossary Help

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections
Search using...
Dataset:
2013 ACS 5-year estimates
People/Age & Sex:
Age
Census Tract
All Census Tracts within New Jersey
clear all selections and start a new search

Search Results: 1-25 of 175 tables and other products match 'Your Selections' per page: 25

topic or table name state, county or place (optional) GO ?
☐ topics ☐ race/ancestry ☐ industries ☐ occupations

1 Selected: View Download Compare Clear All ?

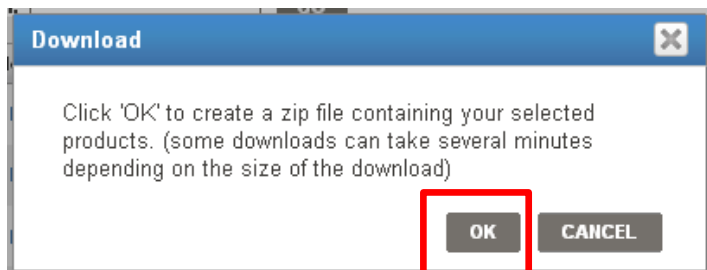
ID	Table, File or Document Title	Dataset	About
☐ DP05	ACS DEMOGRAPHIC AND HOUSING ESTIMATES	2013 ACS 5-year estimates	i
☐ S0101	AGE AND SEX	2013 ACS 5-year estimates	i
☐ B01001	SEX BY AGE	2013 ACS 5-year estimates	i
☐ B01001A	SEX BY AGE (WHITE ALONE)	2013 ACS 5-year estimates	i
☐ B01001B	SEX BY AGE (BLACK OR AFRICAN AMERICAN ALONE)	2013 ACS 5-year estimates	i
☐ B01001C	SEX BY AGE (AMERICAN INDIAN AND ALASKA NATIVE ALONE)	2013 ACS 5-year estimates	i
☐ B01001D	SEX BY AGE (ASIAN ALONE)	2013 ACS 5-year estimates	i
☐ B01001E	SEX BY AGE (NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER ALONE)	2013 ACS 5-year estimates	i
☐ B01001F	SEX BY AGE (SOME OTHER RACE ALONE)	2013 ACS 5-year estimates	i
☐ B01001G	SEX BY AGE (TWO OR MORE RACES)	2013 ACS 5-year estimates	i
☐ B01001H	SEX BY AGE (WHITE ALONE, NOT HISPANIC OR LATINO)	2013 ACS 5-year estimates	i
☐ B01001I	SEX BY AGE (HISPANIC OR LATINO)	2013 ACS 5-year estimates	i
☒ B01002	MEDIAN AGE BY SEX	2013 ACS 5-year estimates	i
☐ B01002A	MEDIAN AGE BY SEX (WHITE ALONE)	2013 ACS 5-year estimates	i
☐ B01002B	MEDIAN AGE BY SEX (BLACK OR AFRICAN AMERICAN ALONE)	2013 ACS 5-year estimates	i

- All available data tables are shown in the **Search Results** section.
- In this example, we will view the **Median Age by Sex (B01002)** table.
 - Check the box next to **P13 Median Age by Sex** and click **Download**.

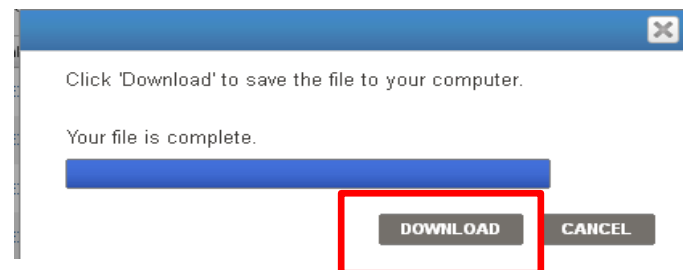
United States
Census Bureau

U.S. Department of Commerce
 Economics and Statistics Administration
 U.S. CENSUS BUREAU

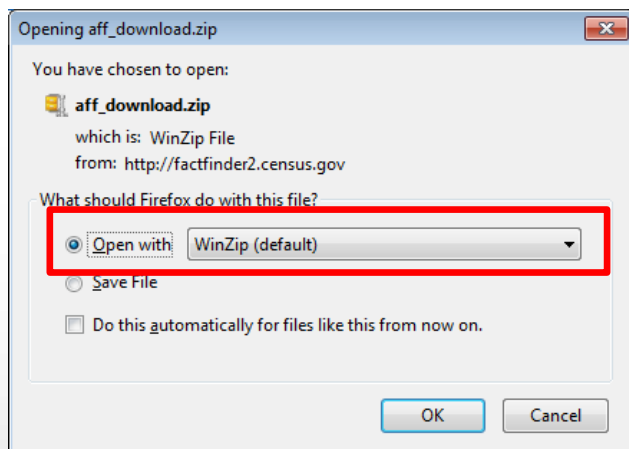
33



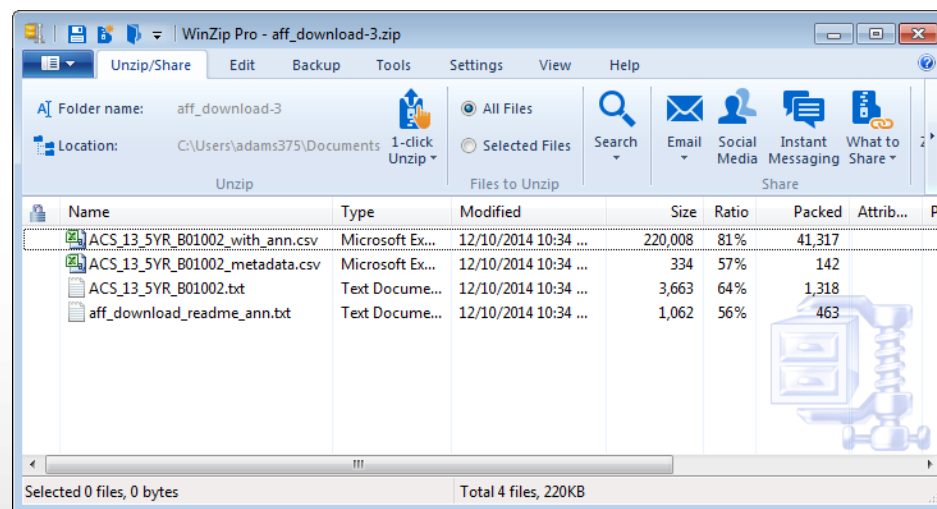
- Click **OK**.



- Click **Download**.



- Open with **WinZip**



- Save the zipped file to your computer and unzip it.

ACS_13_5YR_B01002_with_ann - Microsoft Excel

FileHomeInsertPage LayoutFormulasDataReviewViewAcrobat

Paste

Clipboard

Calibri11

B*I*U**A**[^]_v

Font

Alignment

General

\$ % ,

0.000.00

Number

Styles

InsertDeleteFormat

Cells

Editing

A1

f

GEO.id

	A	B	C	D	E	F	G	H	I	J	
1	GEO.id	GEO.id2	GEO.displ	HD01	VD01	HD02	VD02	HD01	VD01	HD02	VD04
2	Id	Id2	Geograph	Estimate;	Margin of	Estimate;	Margin of	Estimate;	Margin of	Error; Medi	
3	1400000US3400100	34001000100	Census Tr	32.2	1.9	31.1	3.6	33.3	2.8		
4	1400000US3400100	34001000200	Census Tr	46	2.8	46.9	4.3	45.7	9.5		
5	1400000US3400100	34001000300	Census Tr	31.2	3.1	30.4	2.8	32.4	4.3		
6	1400000US3400100	34001000400	Census Tr	45.4	11	40.7	13	48.8	12.6		
7	1400000US3400100	34001000500	Census Tr	29.1	4.3	26.6	3.7	30.7	3.2		
8	1400000US3400100	34001001100	Census Tr	44.2	10.1	44.7	7	38	18.7		
9	1400000US3400100	34001001200	Census Tr	37.9	5.7	30.2	6.6	42.9	4		
10	1400000US3400100	34001001300	Census Tr	35.7	10.7	30.8	12.8	42	12.4		
11	1400000US3400100	34001001400	Census Tr	23.1	3.7	17.2	5.3	28.1	2.9		
12	1400000US3400100	34001001500	Census Tr	38.5	19.7	23.1	11.7	49.1	10.6		
13	1400000US3400100	34001001900	Census Tr	37.6	6.9	38.6	3.4	31	13		
14	1400000US3400100	34001002300	Census Tr	31.6	5.6	34.7	9.5	30.8	5.8		
15	1400000US3400100	34001002400	Census Tr	35.7	9.4	44.5	13.5	32.1	5.1		
16	1400000US3400100	34001002500	Census Tr	50.7	3.1	49.8	3.6	51.9	6.1		

ACS_13_5YR_B01002_with_ann

Ready

Count: 9

100%

- Open **ACS_13_5YR_B01002-with_ann**
- Delete Row 1.
- Change the column B header from **Id2** to **GEOID**
- Change the format of the **GEOID** column from **General** to **Text** and **File - Save As - Save as type as Excel Workbook.**

NJMedianAgeBySex - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J
1	Id	GEOID	Geograph	Estimate;	Margin of	Estimate;	Margin of	Estimate;	Margin of	Error; Medi
2	1400000US3400100	34001000100	Census Tr	32.2	1.9	31.1	3.6	33.3	2.8	
3	1400000US3400100	34001000200	Census Tr	46	2.8	46.9	4.3	45.7	9.5	
4	1400000US3400100	34001000300	Census Tr	31.2	3.1	30.4	2.8	32.4	4.3	
5	1400000US3400100	34001000400	Census Tr	45.4	11	40.7	13	48.8	12.6	
6	1400000US3400100	34001000500	Census Tr	29.1	4.3	26.6	3.7	30.7	3.2	
7	1400000US3400100	34001001100	Census Tr	44.2	10.1	44.7	7	38	18.7	
8	1400000US3400100	34001001200	Census Tr	37.9	5.7	30.2	6.6	42.9	4	
9	1400000US3400100	34001001300	Census Tr	35.7	10.7	30.8	12.8	42	12.4	
10	1400000US3400100	34001001400	Census Tr	23.1	3.7	17.2	5.3	28.1	2.9	
11	1400000US3400100	34001001500	Census Tr	38.5	19.7	23.1	11.7	49.1	10.6	
12	1400000US3400100	34001001900	Census Tr	37.6	6.9	38.6	3.4	31	13	
13	1400000US3400100	34001002300	Census Tr	31.6	5.6	34.7	9.5	30.8	5.8	
14	1400000US3400100	34001002400	Census Tr	35.7	9.4	44.5	13.5	32.1	5.1	
15	1400000US3400100	34001002500	Census Tr	50.7	3.1	49.8	3.6	51.9	6.1	
16	1400000US3400101	34001010101	Census Tr	52.7	2.9	50.8	3.3	54.3	2.6	

ACS_13_5YR_B01002_with_ann

Ready Average: 34019292191 Count: 2011 Sum: 6.83788E+13 100%

- Save your work (we'll call this NJMedianAgeBySex) and close the Excel Workbook.

TIGER/Line Shapefiles and TIGER/Line Files

- TIGER/Line products are free spatial extracts from the Census Bureau's MAF/TIGER database, containing features such as roads, railroads, rivers, as well as legal and statistical boundaries.
 - Since 2007, the files are in shapefile format.
 - They are available for download here:
<http://www.census.gov/geo/maps-data/data/tiger-line.html>

Downloading TIGER/Line Shapefiles

- There are four methods for downloading TIGER/Line Shapefiles:
 - Website Interface
 - Direct from the FTP site
 - Connect via FTP client
 - Direct from Data.gov
- This example will utilize the Website Interface method.
- For additional information about downloading and unzipping TIGER/Line Shapefiles, see the brochure “Downloading TIGER/Line Shapefiles”, available on our “How To” webpage: <http://www.census.gov/geo/education/howtos.html>.

2014 2013 113th CD 2012 2011 2010 2009 2008 2007 2006SE Census 2000 1992

2014 TIGER/Line Shapefiles

All legal boundaries and names are as of January 1, 2014. Released August 19, 2014.

Download

- [Web interface](#)
- [FTP site](#)

► Technical Documentation

► File Availability

► User Notes

The boundaries shown are for Census Bureau statistical data collection and tabulation purposes only; their depiction and designation for statistical purposes does not constitute a determination of jurisdictional authority or rights of ownership or entitlement.

- Visit <http://www.census.gov/geo/maps-data/data/tiger-line.html>.
- Click on the **2014** Tab.
- Click **Download**.
- Under **Download by File Type**, Click **Web Interface**.



Select the layer you are interested in from the dropdown menu and click 'submit' for a list of the available geographic areas.

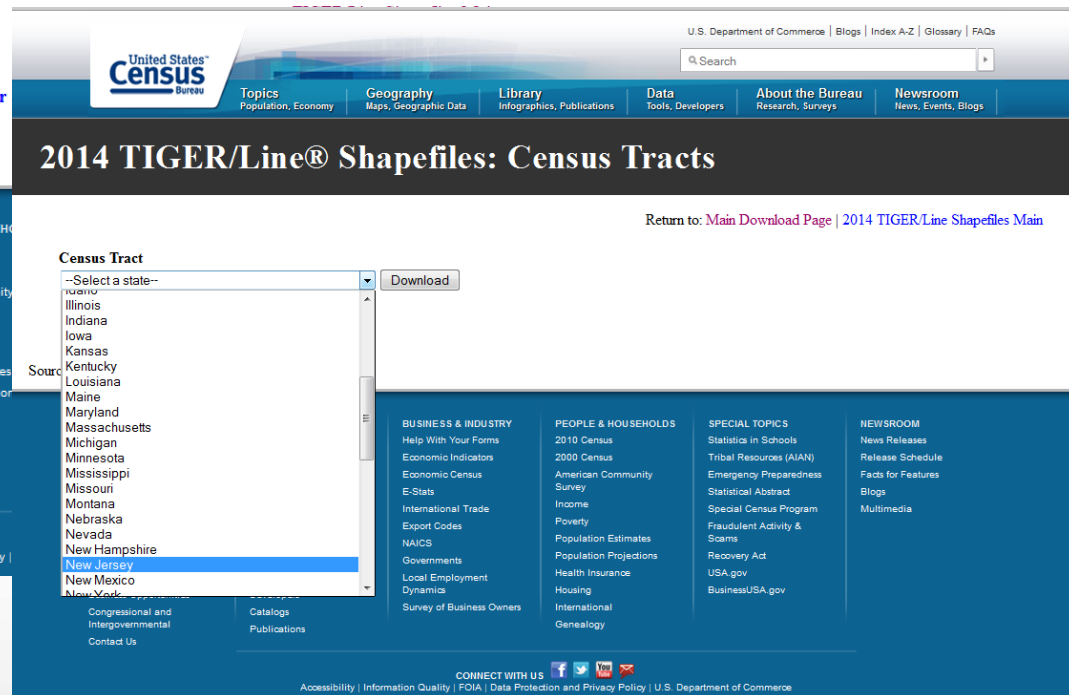
Select a layer type

Census Tracts

Source: US Census Bureau, Geography Division

Documentation

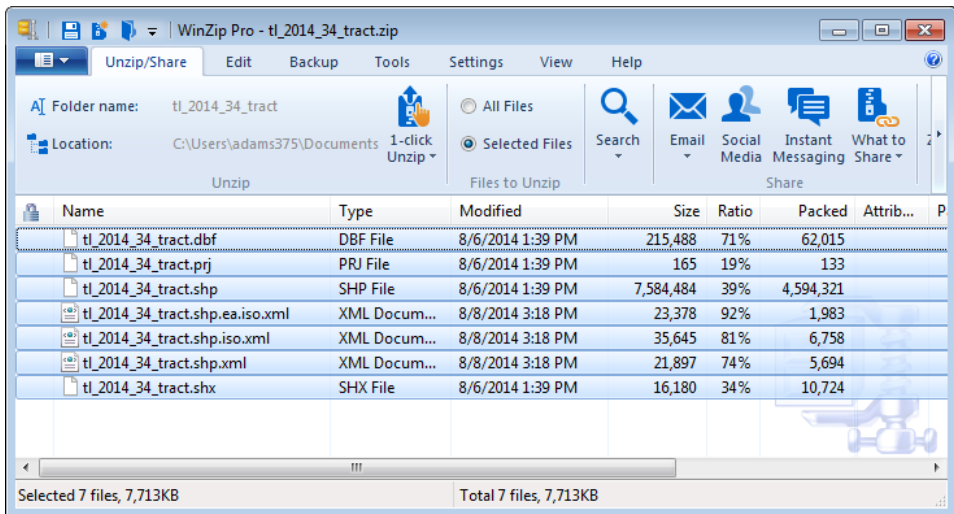
[Access our FTP site for](#)



[Return to: Main Download Page](#) | [2014 TIGER/Line Shapefiles Main](#)

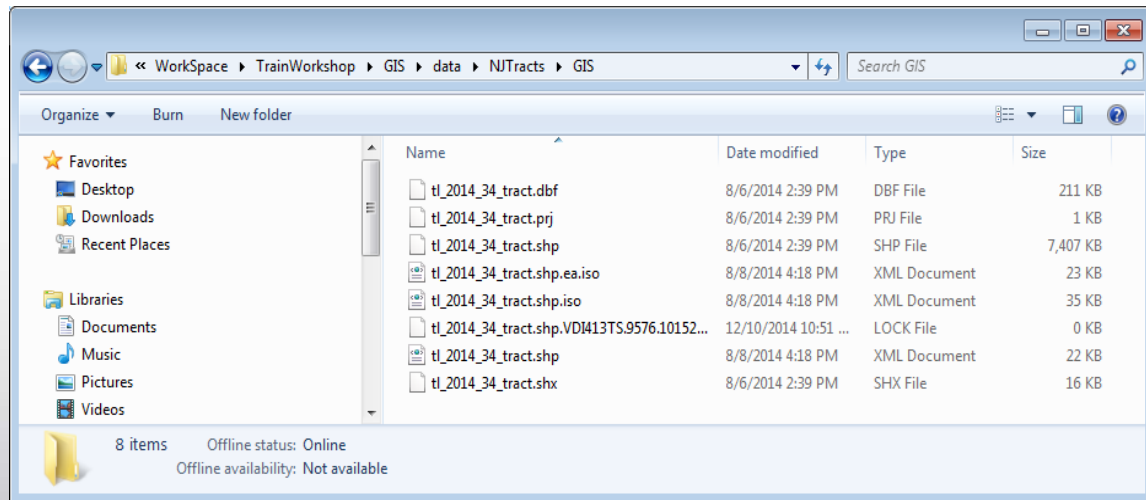
- Select **Census Tracts** in the dropdown menu and click **submit**.
- Under **Census Tract**, Select **New Jersey**, click **Download**.

Open with WinZip



From the WinZip Window.....

Drag & Drop
To Your Local Folder
(Or Wherever You'd Like To
Keep It)

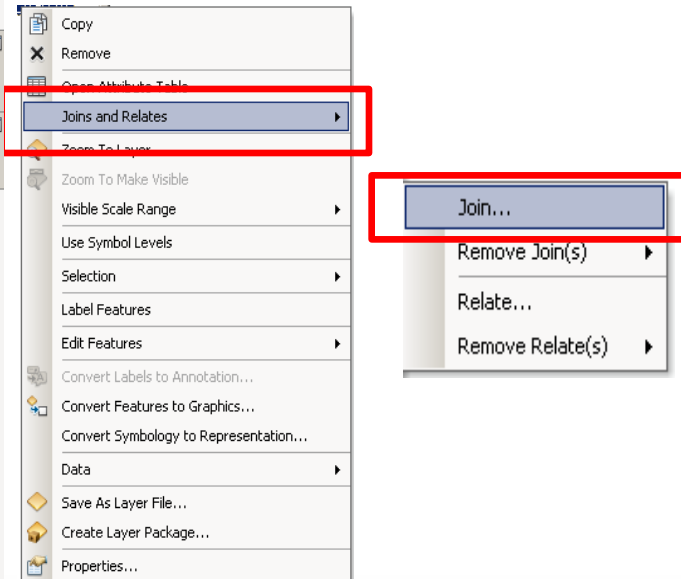
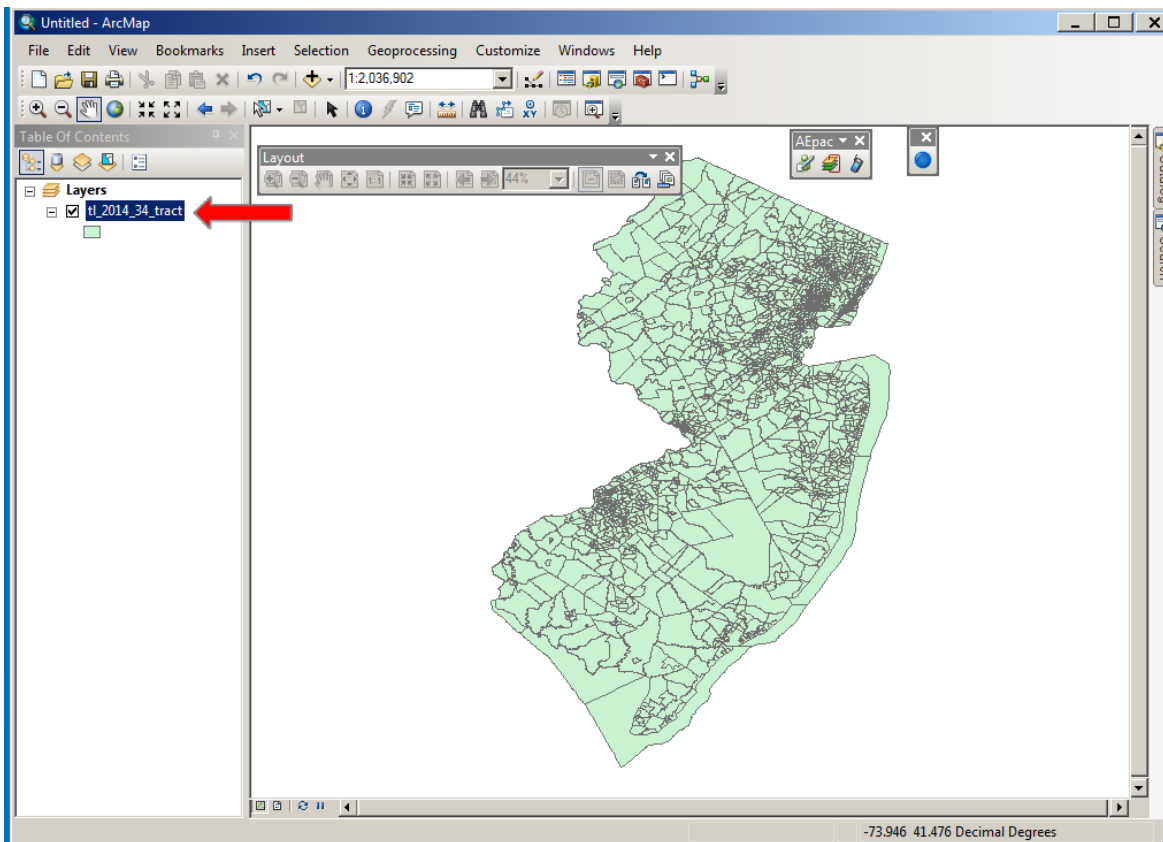


Joining the AFF Table to the TIGER/Line Shapefiles

- Open ArcMap
- Add the census tract shapefile you previously downloaded using the **Add Data** icon or **File – Add Data – Add Data**.



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



- Right-click on the TIGER/Line Shapefile name.
- Select **Joins and Relates**.
- Select **Join**.

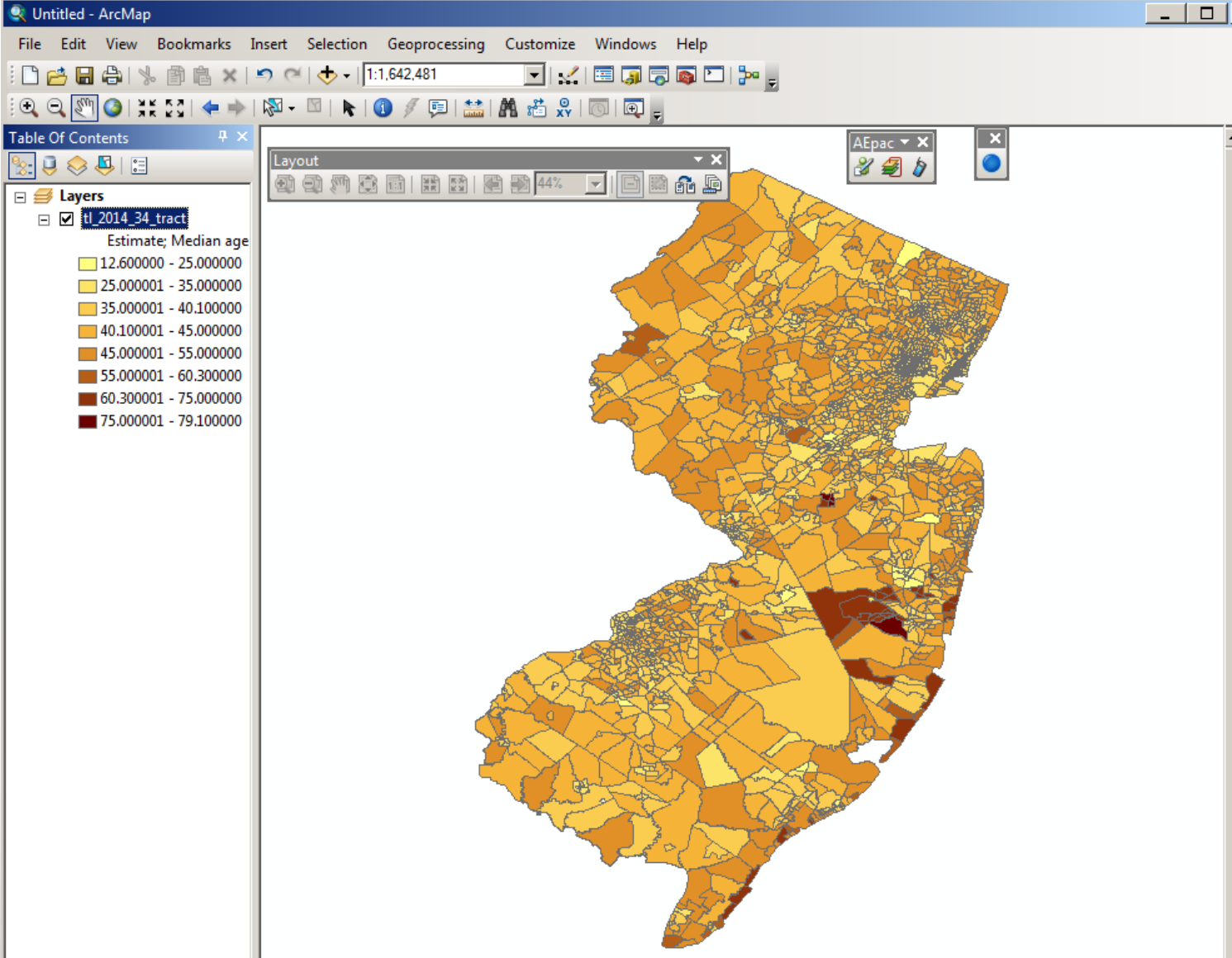
- A new screen appears for you to select the field from the shapefile that will be used to join the data.
 - You want the fully qualified geographic code. It is **GEOID** in the 2010 TIGER/Line Shapefiles.
 - The TIGER/Line Shapefiles technical documentation has more information on the record layouts and definition of each field.
- Next, select the data file you saved as an Excel Workbook, using the browse (open folder icon).
- Finally, choose the field from the data table to base the join on.
 - Since we edited the field name in the Excel Workbook to **GEOID**, ArcGIS automatically selects this field for the join.

Click **OK**.

The screenshot shows the ArcMap interface. The 'Table' window is open, displaying a table named 'tl_2014_34_tract'. The table has four columns: GEOID, Geography, Estimate; Median age -- Total, and Margin of Error; Median age -- Total. The 'Open Attribute Table' menu option is highlighted in a red box.

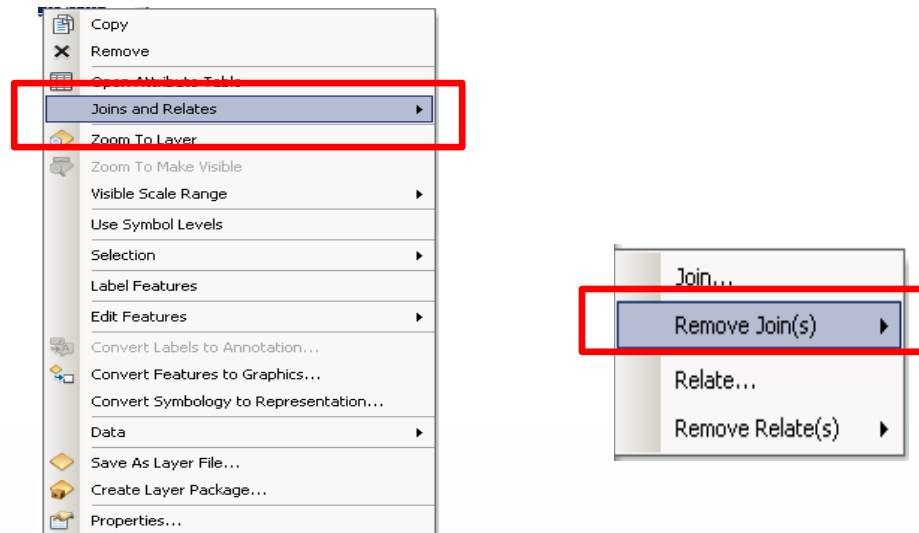
GEOID	Geography	Estimate; Median age -- Total	Margin of Error; Median age -- Total
34031256804	Census Tract 2568.04, Passaic County, Ne	44.4	
34031246300	Census Tract 2463, Passaic County, New J	41.2	
34031181200	Census Tract 1812, Passaic County, New J	32	
34031256803	Census Tract 2568.03, Passaic County, Ne	46.4	
34031246003	Census Tract 2460.03, Passaic County, Ne	43.5	

- To see the results, right-click on the TIGER/Line Shapefile name and select **Open Attribute Table**.
 - ArcMap builds a relationship between the shapefile and the data table.
 - The table now has the attributes from both the shapefile and the data table.
- The data can be used to create a thematic map or for other analysis.
- Multiple files can be joined to the shapefile.



New Jersey
Median Age
By Census Tract
2013 American
Community
Survey (ACS)
Estimate

Removing the Join



- Right-click on the TIGER/Line Shapefile name and select **Joins and Relates**.
- Select **Remove Joins**.
- Select the join to be removed or select **Remove All Joins**.

Questions

Regarding TIGER/Line Products:

Visit: www.census.gov/geo

Email: geo.tiger@census.gov

Call: (301) 763-1128 - Geographic Products Branch

Regarding American FactFinder – Data Questions:

Visit:

http://factfinder2.census.gov/faces/nav/jsf/pages/using_factfinder.xhtml

Email: nyro.pds@census.gov

Call: (212) 584- 3440 - NYRO PDD Program

ArcGIS™ is a Trademark of esri.

TIGER/Line® is a Registered Trademark of the U.S. Census Bureau.