### **NEW JERSEY STATE DATA CENTER**



### **American Fact Finder 2**

**Brunie Sánchez Data Dissemination Specialist** 

## Outline

- American FactFinder Toolkit
- Data Access Tools
- American FactFinder Overview & Thematic mapping



- 2010 Census vs. American Community Survey
- American Community Survey Tips
  - How to use American Community Survey data
  - How to compare American Community Survey with 2000 Census data
- Geography
- AFF Mapping overview

## 2010 Census vs. ACS

2010 Census American Community Survey



2000 Long Form SF3 & SF4

100 % Data

How many people live in the U.S.?

Point in time April 1, 2010

Count - People, Housing units, Sample Data

How do people live in the U.S.?

Period in Time 1yr, 3yr, 5yr

Characteristics Income, Poverty, Education



#### State Race\* Breakdown 2010 Census: New Jersey Profile mack or African American (13.7%) American (ndian and Alaska Haliye (n. 19) (PERS) PERSON waters rewards and other reporte mander (vo.176) Population Density by Census Tract some other race (s.4%) two or more races (2.7%) Hispanic or Latino (of any race) makes up 17.7% of the state population. Population by Sex and Age notal reputation: 8,791,894 New Jersey Population 1970 to 2010 8,791,894 2010 370,000 181,000 183,000 370,000 8,414,350 Female 2000 7,730,188 1990 7,364,823 1980 7,168,164 Housing Tenure 197D Total cocupied Housing Units: 3,214,360 34.6% Renter Occupied **65.4% Owner Occupied** Average wassehold size of cremer-accupied smits: ARRIGGE HOUSEHOLD MAY of senter occupied units: 2.79 people 2.47 people People per Square Mile by Census Tract 10,000.0 to 119,569.9 9,000.0 to 9,000.9 1,000,0 to 4,999,9 200.0 to 999.9 88.4 to 199.9 40.0 to 88.3 Loss than 40.0 United States\* County Roundary

New Jersey Mean Center of Population



## American Community Survey – Subjects

Demographic	Social	Economic	Housing
Age and Sex	Ancestry	Class of Worker	House Heating Fuel
Group Quarters Population Citizenship Status		Commuting to Work/	Kitchen Facilities
Hispanic or Latino Origin	Disability Status	Journey to Work	Occupancy/Vacancy Status
Race	Educational Attainment	Employment Status	Occupants per Room
Relationship	Fertility	Food Stamps/Supplemental Nutrition Assistance	Owner Monthly Costs
Total Population	Field of Degree	Program (SNAP)  Health Insurance Coverage Income and Earnings	Plumbing Facilities
	Grandparents as Caregivers		Rent Statistics
	Language		Rooms / Bedrooms
	Marital History	Industry and Occupation	Telephone Service Available
	Marital Status Poverty		Tenure
	Place of Birth	Work Status	Units in Structure
	School Enrollment		Value of Home
	Residence 1 Year Ago/Migration	on	Vehicles Available
	Veterans Veer of Entry		Year Householder Moved Into Unit
	Year of Entry		Year Structure Built

## American Community Survey – Releases

Year of Data Release									
Data product	Population threshold	2006	2007	2008	2009	2010	2011	2012	2013
Year(s) of Data Collection									
1-year estimates	65,000+	2005	2006	2007	2008	2009	2010	2011	2012
3-year estimates	20,000+			2005– 2007	2006– 2008	2007– 2009	2008– 2010	2009– 2011	2010- 2012
5-year estimates	All areas*					2005- 2009	2006– 2010	2007– 2011	2008-

### Sample Data!

The Census Bureau recommends that you:

- ◆ DO compare similar period lengths, for example, 3year to 3-year.
- ▲ DON'T compare estimates from different period lengths, for example, 1-year to 3-year.
- ◆ DO compare estimates from non-overlapping periods, for example, compare a 2005-2007 ACS 3-year estimate to a 2008-2010 ACS 3-year estimate.
- ▲ DON'T compare overlapping periods, for example, the 2005-2007 ACS 3-year estimates to the 2006-2008 ACS 3-year estimates.



### When to use 1-yr, 3-yr or 5-yr estimates

### When to use 1-year, 3-year, or 5-year estimates

### Distinguishing features of ACS 1-year, 3-year, and 5-year estimates

1-year estimates	3-year estimates	5-year estimates		
12 months of collected data	36 months of collected data	60 months of collected data		
Data for areas with populations of 65,000+	Data for areas with populations of 20,000+ Data for all areas			
Smallest sample size Larger sample size than 1-year		Largest sample size		
Less reliable than 3-year or 5-year	ess reliable than 3-year or 5-year  More reliable than 1-year; less reliable than 5-year  Most reliable			
Most current data	Less current than 1-year estimates; more current than 5-year	Least current		
Best used when	Best used when	Best used when		
Currency is more important than precision	More precise than 1-year, more current than 5-year	Precision is more important than currency		
Currency is more important than	More precise than 1-year, more current	Precision is more important than		

### Comparing 2012 American Community Survey Data

### Comparing 2012 American Community Survey Data

Subject Area 1*	2012 ACS 1-Year, 2010-2012 ACS 3-Year, and 2008-2012 ACS 5-Year with Census 2000	2012 ACS 1-Year with 2011 ACS 1-Year	2012 ACS 1-Year, 2010-2012 ACS 3-Year, and 2008-2012 ACS 5-Year with 2010 Census						
+ Age and Sex (01)									
+ Race (02)									
+ Hispa	nic Origin (03)		⚠ Use Caution: Because ACS variables change over time, some areas and subjects must be compared with caution, or not compared at all.						
+ Ance	Ancestry (04)								
+ Forei	Foreign Born; Citizenship; Year of Entry; Nativity (05)								
+ Place	of Birth (06)								

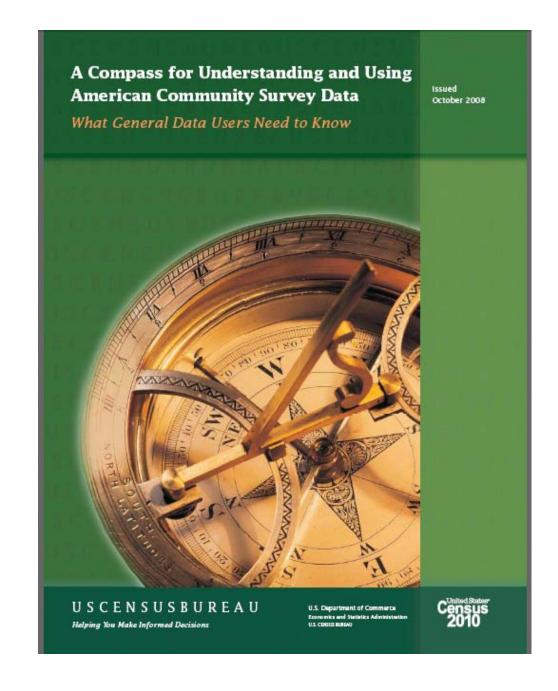
Residence 1 year ago; Migration (07)

Topic	2012 ACS with Census	2012 ACS 1-Year with	2012 ACS with Census
	2000	2011 ACS 1-Year	2010
Residence 1 Year Ago (Migration)	Do Not Compare (Details)  The ACS asked for residence 1 year ago whereas Census 2000 asked for residence 5 years ago.	Compare	The question was not asked in the 2010 Census



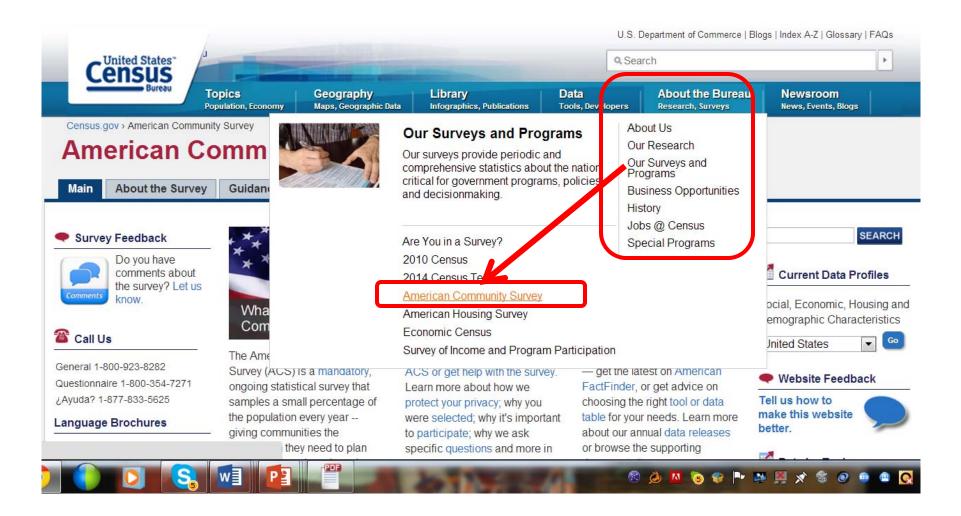
# What General Data Users Need to Know

Here are the basics of the American Community Survey, with the opportunities and challenges of using data. Learn to access and use ACS data on the Census Bureau's website. Plus concrete examples of how ACS data can answer real-world questions about our society.





### Access American Community Survey Portal



## **American Community Survey Portal**

U.S. Department of Commerce

Census

Bureau

People Business

Geography

Data

Research

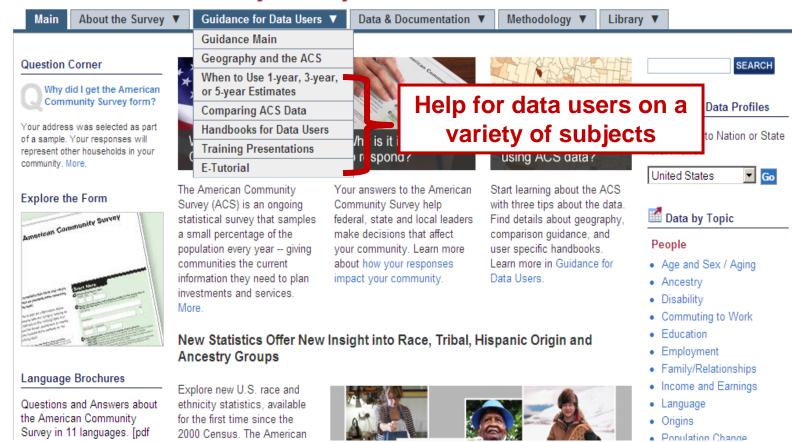
Newsroom

Q Search

Home | About Us | Subject

You are here: Census.gov > American Community Survey

### **American Community Survey**





### Hierarchy of Select Geographic Entities in the American Community Survey

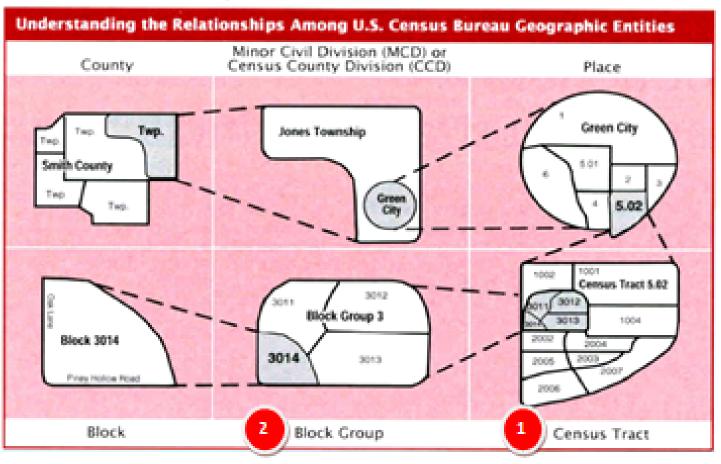


- 5-year estimates only
- 5-year estimates only, first release in 2012 for the 2007-2011 5-year estimates

This graphic does not represent the full set of entities for which the ACS publishes data.



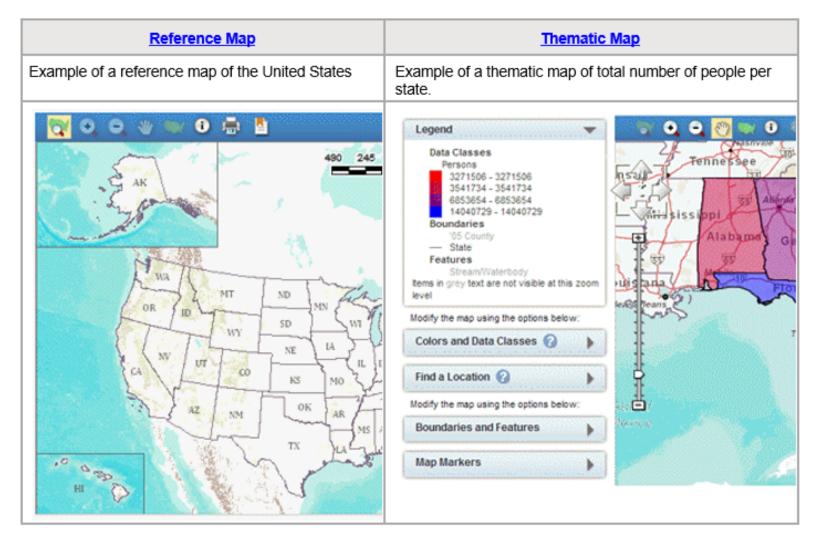
### Census Small-Area Geography



- <u>Census Tracts</u> are small, relatively permanent statistical subdivisions and generally have a population of 1,500 to 8,000 (optimum 4,000).
- Block Groups are subdivisions of a census tract and generally have a
  population of 300 to 4,000 (optimum 1,500).



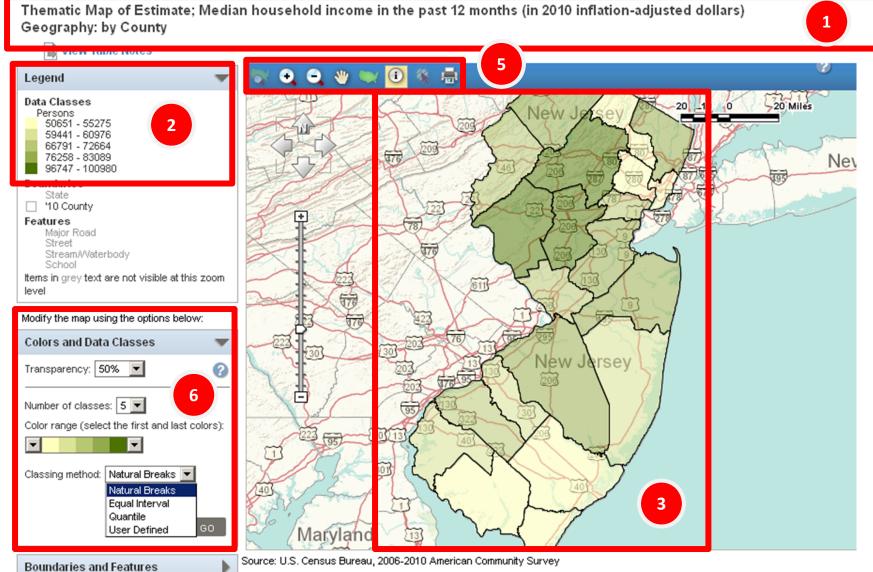
## American FactFinder Mapping Overview



### 4

## **Thematic Map**

Table View Map View Map View Map View Map View Map View Map Download Map Show Statistical Significance Map Create a Different Map





## 6 main parts of the map:

- 1. the Map Title;
- 2. the Legend;
- 3. the Map;
- 4. the Actions toolbar;
- 5. the Map tools;
- 6. and the Modify the map options.

### **Data Access Tools**

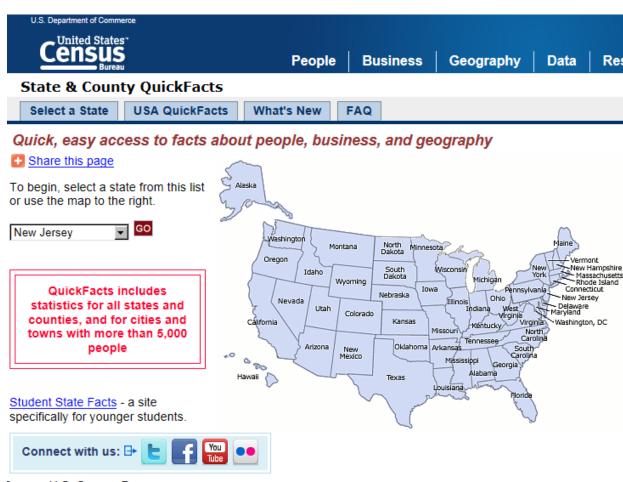
- Quick Facts
- Language Mapping
- Dwellr
- Census Explorer
  - Retail Edition
  - People, Education & Income
  - Commuting

## **Accessing Quick Facts**

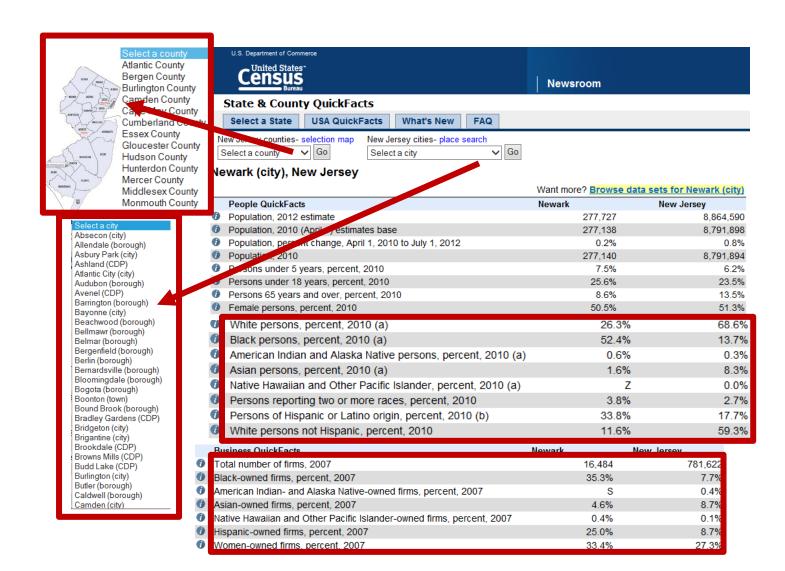
### **Advantages:**

 Attract users looking for simple access to facts









## Language Use

Up to 39 Languages!

Language use, English-speaking ability, and linguistic isolation data are currently collected in the American Community Survey. The current language use questions, in use since 1980, gather how many people speak a language other than English at home, what languages are spoken, and how well English is spoken.

### B16001

LANGUAGE
SPOKEN AT
HOME BY
ABILITY TO
SPEAK ENGLISH
FOR THE
POPULATION 5
YEARS AND
OVER
Universe:
Population 5
years and over



Language Use in the United States: 2011

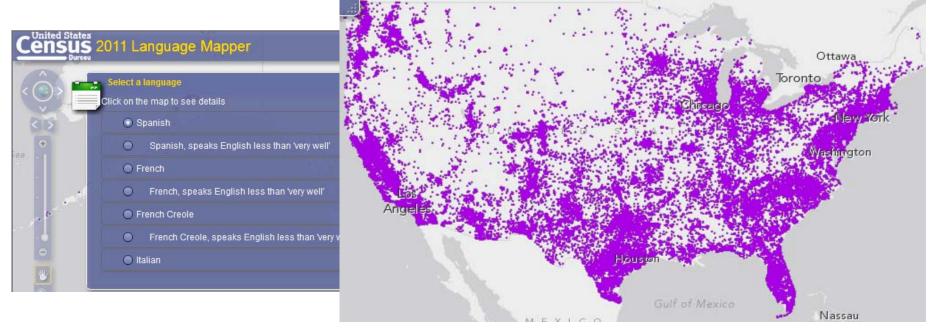
American Community Survey Reports

Issued August 2013

## 2011 Language Mapper

Source: U.S. Census Bureau, 2007-2011 American Community Survey, Table B16001

Released August 2013



### Census Bureau announces a new mobile app...

Using American Community Survey statistics, you can explore places that fit your preferences. Create your profile and let *dwellr* give you a list of top places to explore.

Download it free from the Apple Store or Google Play.

Get more information about dwellr.





dwellr Mobile App

- Uses American Community Survey Data from the US Census Bureau to match user preferences to thousands of places across the nation.
- Displays statistics based on user preferences and also provides access to social characteristics table in AFF
- Provides users the top 25 places matching their preferences. Shows map view of top cities.
- Users can share top matches through social networks (email, Facebook and Twitter)
- Engages our audiences in new ways through relevant experiences
- Increases usage of Census Bureau statistics



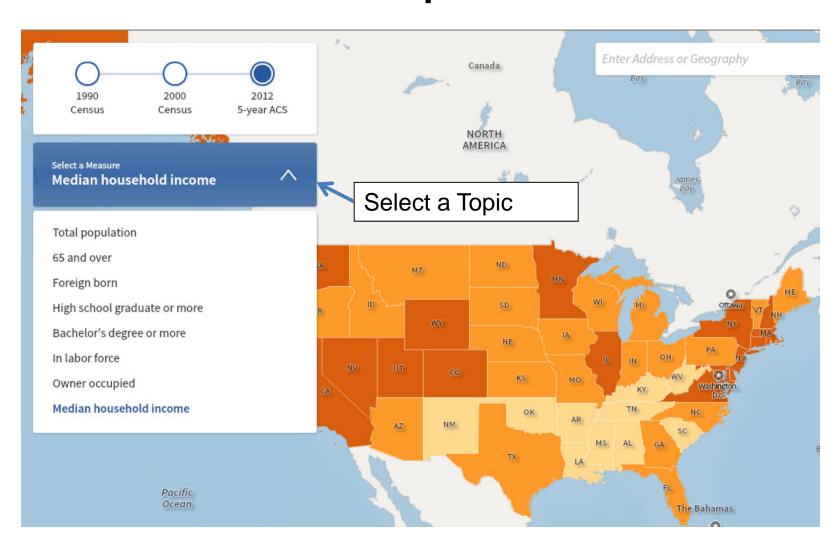


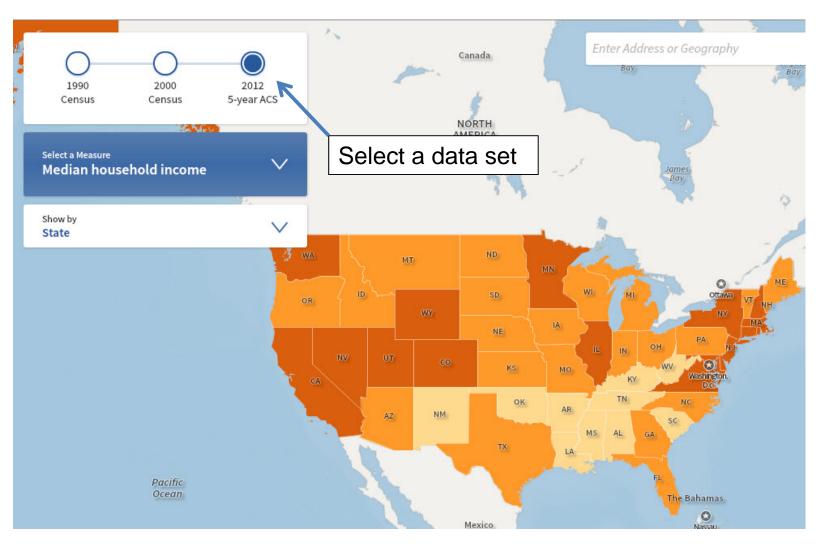


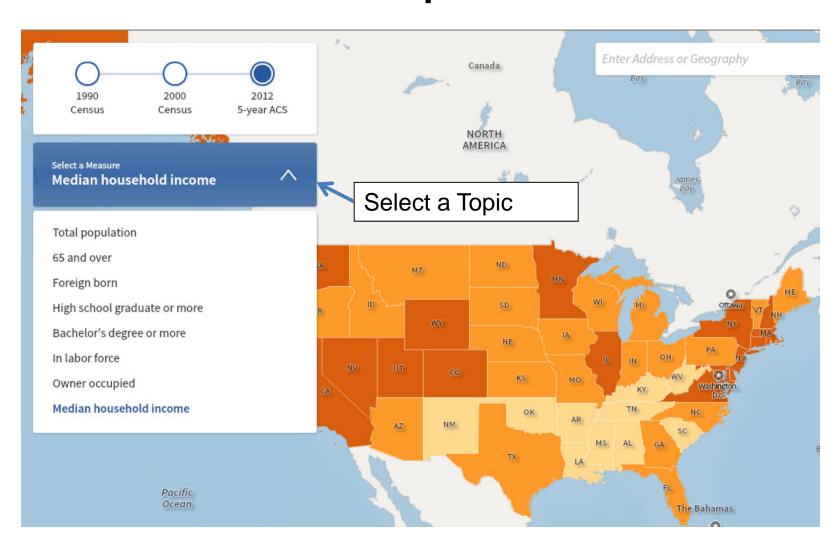


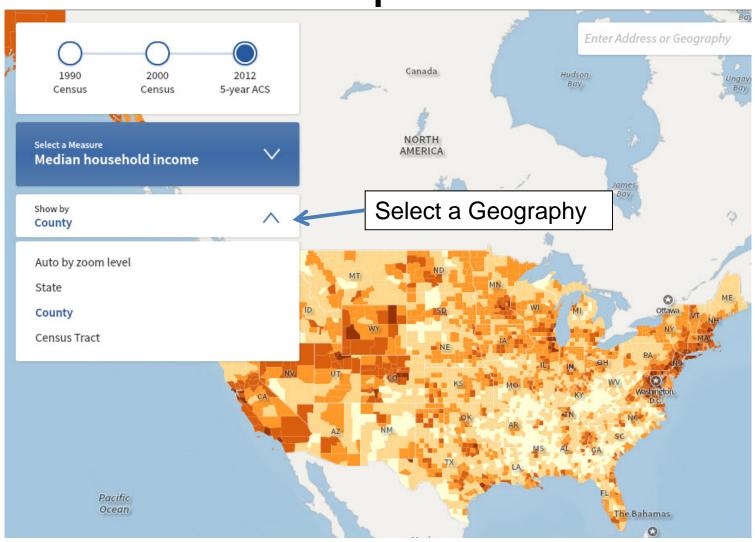










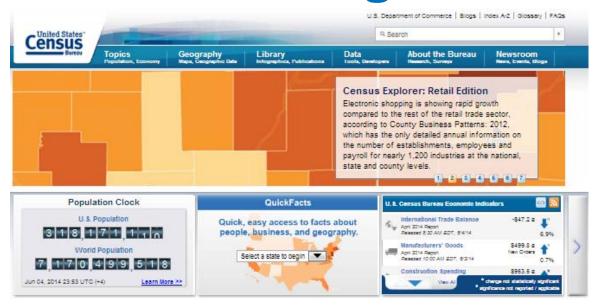




## Search Options, Tools and Tips



## **NEW** census.gov



#### Latest News



#### 2020 Census Field Test to Explore Innovative, Cost-Effective Methods

June 03, 2014

Census Bureau is gearing up for the 2020 Census by conducting its first major field test beginning June 5 in Washington, D.C., and Montgomery County, Md.



#### 2013 Characteristics of New Housing

June 02, 2014

This report provides annual statistics on the characteristics of new privately owned residential structures in the four U.S. regions.



### Transit and Ground Passenger Transportation Industry on the Rise

June 02, 2014

First Industry Series Statistics Released from the 2012 Economic Census.

#### Stat of the Day

#### Information

The information sector had the highest percent increase in payroll per employee from the 2007 to the 2012 Economic Census (up 25.6%). No sectors reported a decrease in payroll per employee.

Read More



#### The Week Ahead

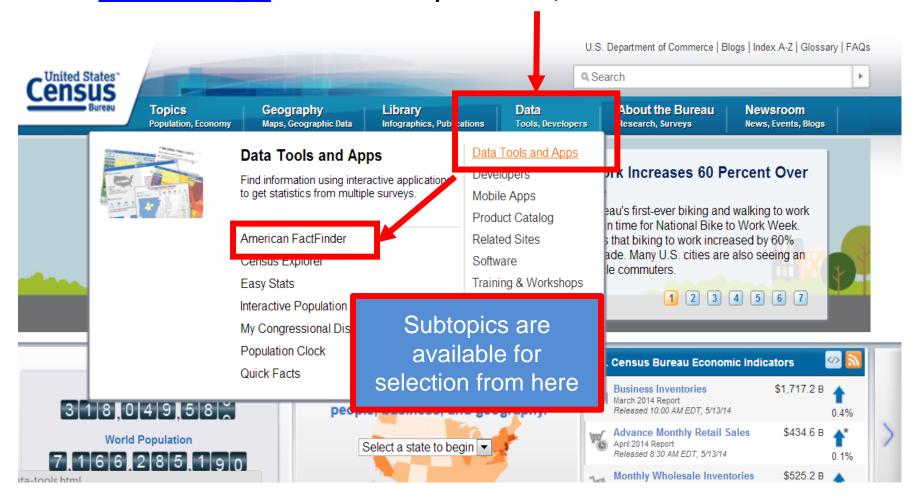
Wed	Thur	Fri	Mon	Tue
Jun 4	Jun 6	Jun 6	Jun 9	Jun 10

## **Find Your Topic of Interest**



## **Topics / subtopics**

www.census.gov Select Data Drop down box; Select American Fact Finder



**▼** Community Facts

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

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

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

e.g., Atlanta, GA

- 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.

#### 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 » | get data »
- American Housing Survey more » | get data »
- Annual Economic Surveys more »
- Decennial Census more » | get data »
- Economic Census more » | get data »
- Equal Employment Opportunity (EEO) Tabulation more » | get data »
- Population Estimates Program more » | get data »
- Puerto Rico Community Survey more » | get data »

more

#### Deep Linking Guide

A how-to guide for Building Deep Links into American Factfinder (PDF) is available.

**News and Notes** 

Jan 29, 2013

The Demographic Profile for the Commonwealth of the I Islands is available...

Sign up for email updates

view all news, release schedules, and more »

#### Address Search

Find Census data by entering a street address.



GET EMAIL UPDATES

#### Reference Maps

Reference Maps show selected geographic boundaries for an area along with orienting features, such as roads.

United States

GO

#### Load Query

Use Load Query to restore a previously saved query.

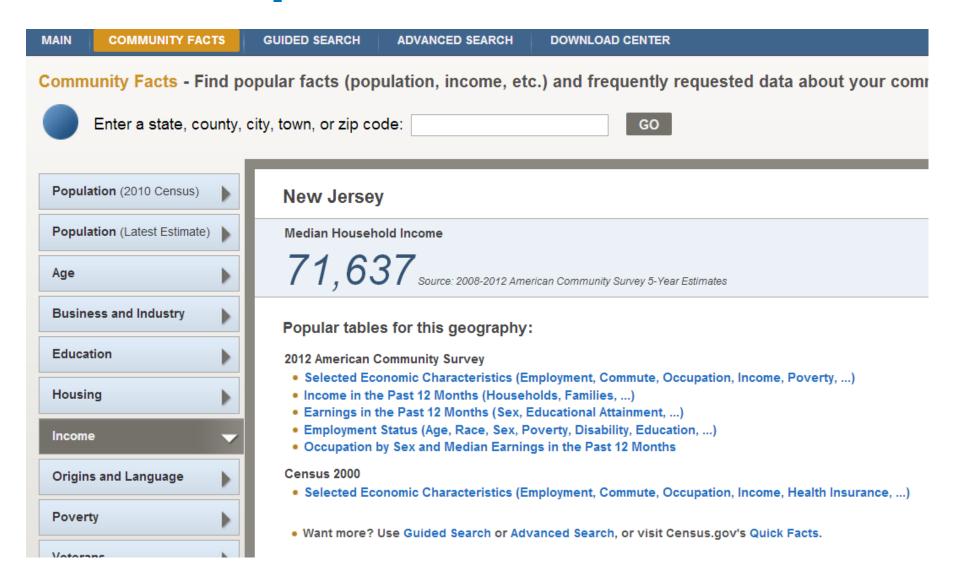


## **Community Facts**





## Subtopics / Detailed tables









MISSOURI KENTUCKY

MAIN

COMMUNITY FACTS

**GUIDED SEARCH** 

ADVANCED SEARCH

DOWNLOAD OPTIONS

### Guided Search - Step-by-step access to Census Information

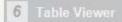


2 Topics

3 Geographies

4 Race/Ethnic Groups







### Choose from one of the following and click Next.

- I'm looking for information about people.
   (age, sex, income, poverty, education, ...)
- C I'm looking for information about housing.

  (housing units, houshold type, value of home, ...)
- I'm looking for information about businesses or industries.

  (annual payroll, sales and receipts, number of employees, ...)
- C I'm looking for information from a specific dataset.
  (2006-2010 American Community Survey 5-Year Estimates, 2007 Economic Census, 2010 Census Summary File 1, ...)
- C I want to search for a table number or a table title.

  (P1, EC0700A1, b04\*, Social Characteristics, ...)

Note that the guided search searches for tables using a subset of search methods and most requested geographies. For more search options and to select from all available geographies, use the Advanced Search.





CANCEL





# **Express Downloads**





Feedback FAQs Glossary Help

MAIN COMMUNITY FACTS

**GUIDED SEARCH** 

ADVANCED SEARCH

**DOWNLOAD OPTIONS** 

Download Options - Downloading data from American FactFinder and Census.gov

#### Download data from American FactFinder



There are multiple ways to download data from American FactFinder.

- Download from the search results page
   Download up to 10 tables from the search results page in a comma-delimited format (.csv). This format can be imported into Microsoft Excel, as well as other spreadsheet and database programs.
- Download when viewing a table
   Download a single table from the table view in comma-delimited (.csv), PDF, Microsoft Excel (.xls), or Rich Text
   Format (.rtf) formats.
- Download spatial data from reference maps and thematic maps
   Download shapefiles that can be imported into various geographic information systems (GIS) software packages.

See the download limits FAQ for more information about limits to the number and size of tables that can be downloaded in American FactFinder.

#### Other Resources

Visit the following links for additional information about downloading data from American FactFinder.

- · American FactFinder Download Help
- American FactFinder Download Tutorial

See the following pages for more information about downloading data via FTP.

- · American Community Survey Downloadable data via FTP server
- Population Estimates Downloadable Datasets
- . County Business Patterns Download .csv Files

#### Download data via FTP

If American FactFinder's download limits prevent you from downloading the data you need, you may be able to download the complete dataset from the Census Bureau's FTP Site. Use the links to the right for information about downloading data from various Census Bureau programs

Visit the Census Bureau's FTP site for a complete list of available files.

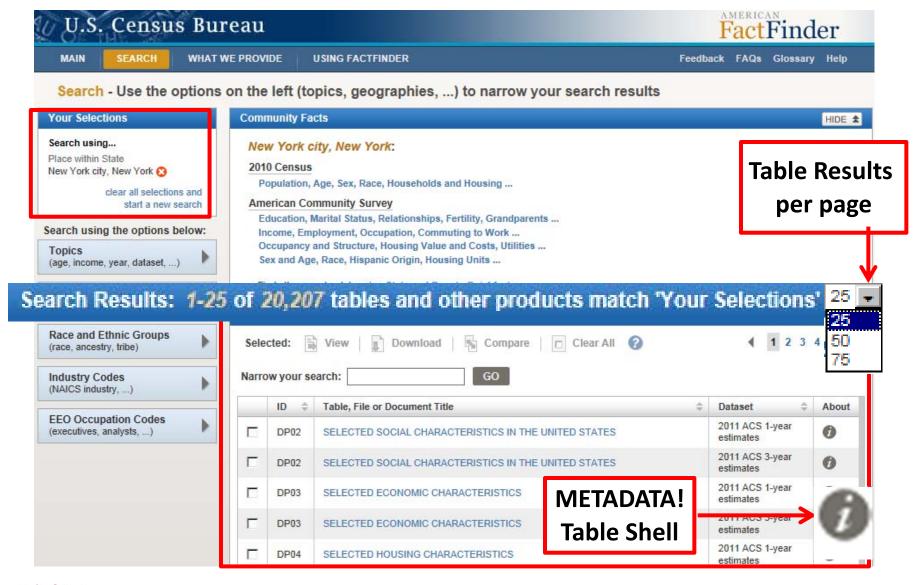
#### Access data with Census APIs

To improve access to data and encourage innovation, the Census Bureau provides Application Programming Interface (API) access to selected data sets, including the 2010 Census Summary File 1 and the American Community Survey (five year data). The API allows developers to design Web and mobile apps to explore or learn more about America's changing population and economy. Visit our **Developer Site** to learn more.

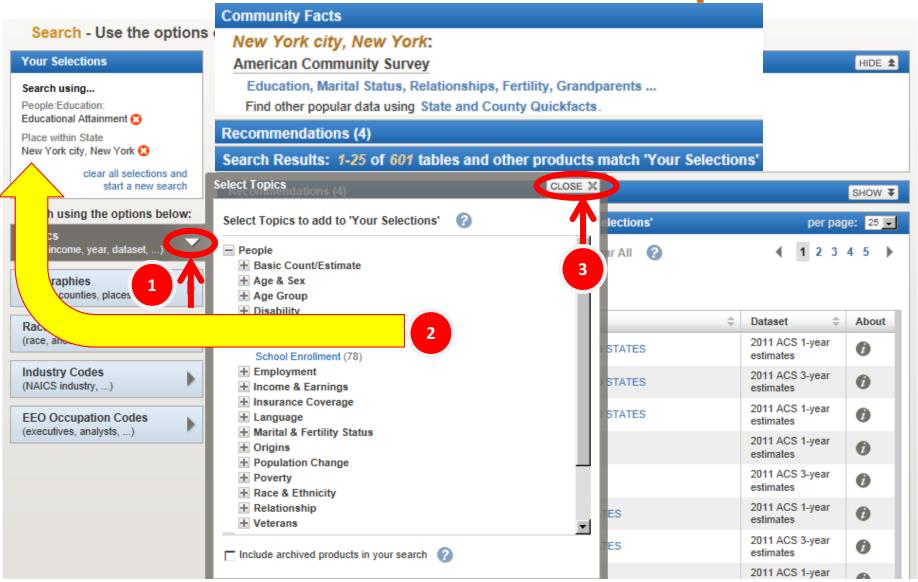
Access Block
Group Data &
Censuses Prior
2000



### **Advanced Search Results**



### **Narrow Down Your Search: Topics**



### **Text Search**

# Your Selections Search using... People:Education: Educational Attainment Place within State

New York city, New York (3)

**Community Facts** 

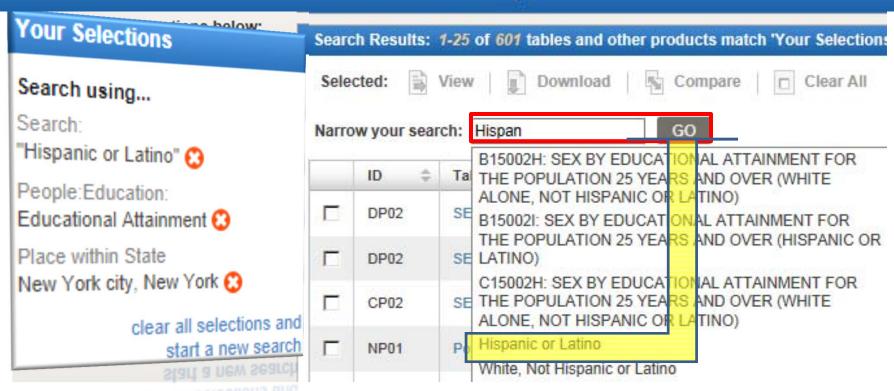
New York city, New York:

American Community Survey

Education, Marital Status, Relationships, Fertility, Grandparents ...

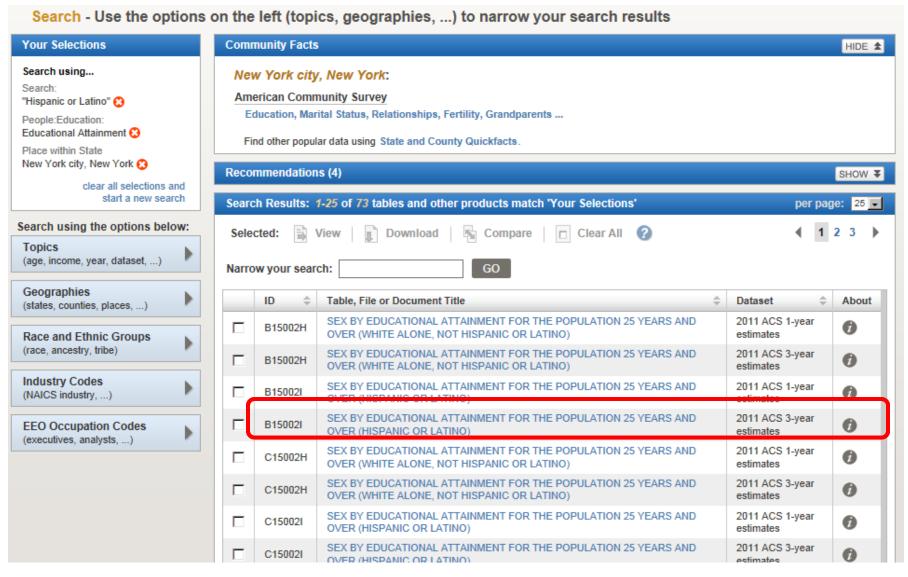
Find other popular data using State and County Quickfacts.

#### Search Results: 1-25 of 73 tables and other products match 'Your Selections'





### **Select Your Table**





### **View Your Table**

B15002I

SEX BY EDUCATIONAL ATTAINMENT FOR THE POPULATION 25 YEARS AND OVER (HISPANIC OR LATINO)

Universe: Hispanic or Latino population 25 years and over 2009-2011 American Community Survey 3-Year Estimates

Table View !!!





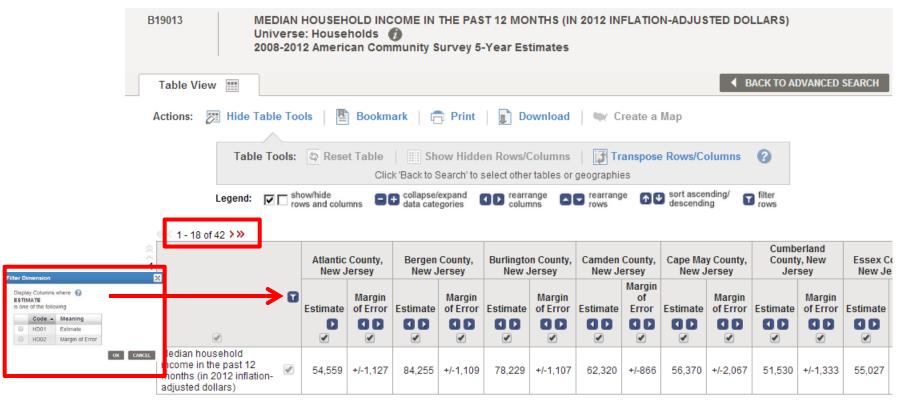






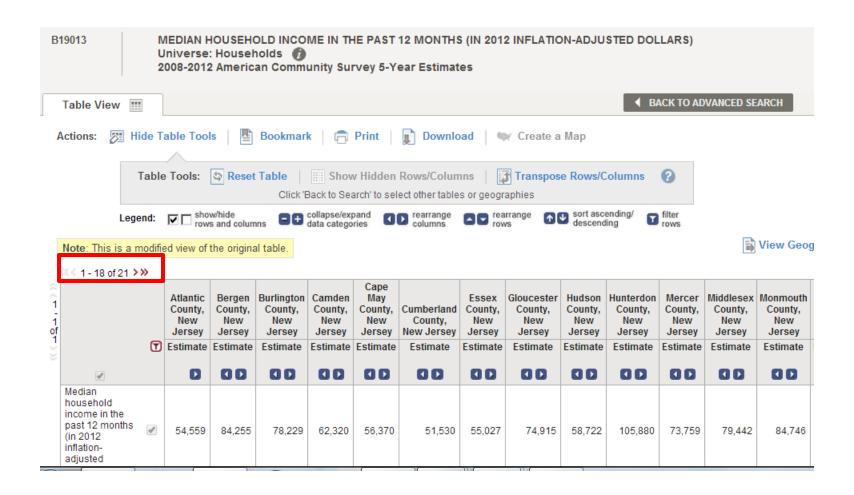
		New York		Bronx County, New York		Kings County, New York		New York County, New York		Queens County, New York		Richmond County, New York		New York city, New York	
19 of		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
19	Total:	2,033,519	+/-844	428,194	****	301,403	****	267,630	****	390,017	****	44,848	****	1,432,092	****
×	Male:	972,834	+/-754	189,565	****	142,239	*****	121,927	*****	192,487	****	21,544	****	667,762	****
	Less than 9th grade	198,632	+/-4,865	44,981	+/-2,499	35,376	+/-1,768	24,365	+/-1,816	35,552	+/-2,106	1,977	+/-469	142,251	+/-4,118
	9th to 12th grade, no diploma	151,448	+/-4,035	33,696	+/-1,919	25,106	+/-1,583	18,941	+/-1,357	26,943	+/-1,640	2,699	+/-608	107,385	+/-3,539
	Regular high school diploma	236,992	+/-4,766	44,351	+/-1,993	34,112	+/-1,856	23,751	+/-1,587	51,986	+/-2,106	6,383	+/-734	160,583	+/-3,875
	GED or alternative credential	49,484	+/-2,092	10,462	+/-1,109	7,277	+/-799	5,735	+/-884	7,889	+/-784	1,619	+/-460	32,982	+/-1,847
	Some college, no degree	150,785	+/-3,867	29,486	+/-1,677	19,507	+/-1,254	16,731	+/-1,584	32,240	+/-1,965	4,221	+/-630	102,185	+/-3,188
	Associate's degree	49,814	+/-2,185	9,596	+/-1,083	5,225	+/-659	5,935	+/-739	11,473	+/-1,146	1,008	+/-247	33,237	+/-1,818
	Bachelor's degree	90,739	+/-3,336	12,143	+/-1,295	11,014	+/-995	15,223	+/-1,474	19,979	+/-1,424	2,786	+/-598	61,145	+/-2,966
	Graduate degree	44,940	+/-2,272	4,850	+/-710	4,622	+/-599	11,246	+/-1,292	6,425	+/-664	851	+/-264	27,994	+/-1,836
- 1		4 000 000	1.004	000 000	****	450 404	****	445 700	****	407 500	****	00.004	****	704.000	****

#### **View Your Table with Margins of error**

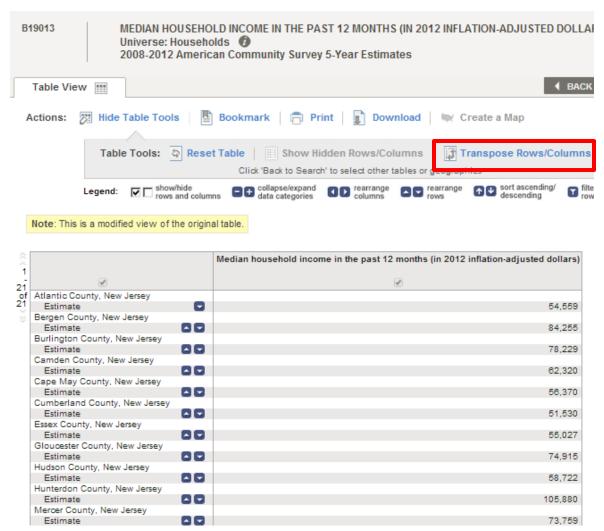


Source: U.S. Census Bureau, 2008-2012 American Community Survey

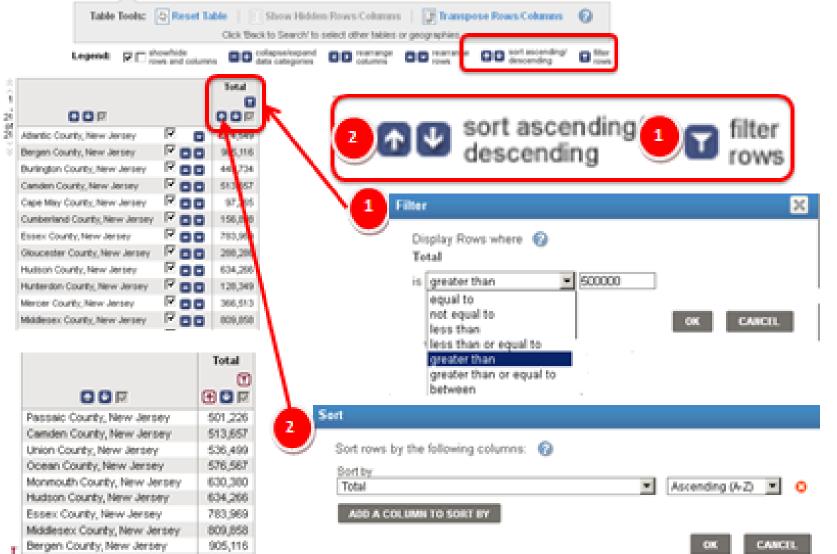
#### View Your Table - Without margins of error



## **Modify Table: Transpose R&C**

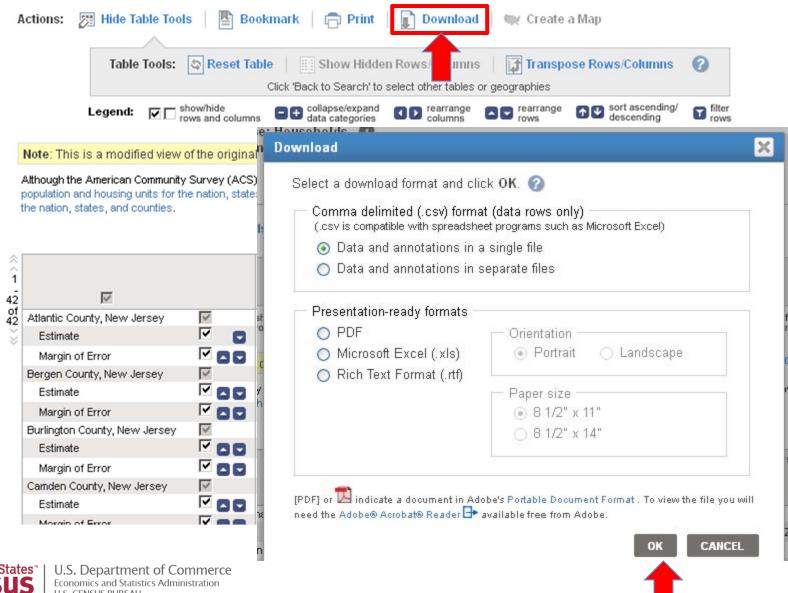


# **Modify Table: Editing Columns**





# **Download Options**

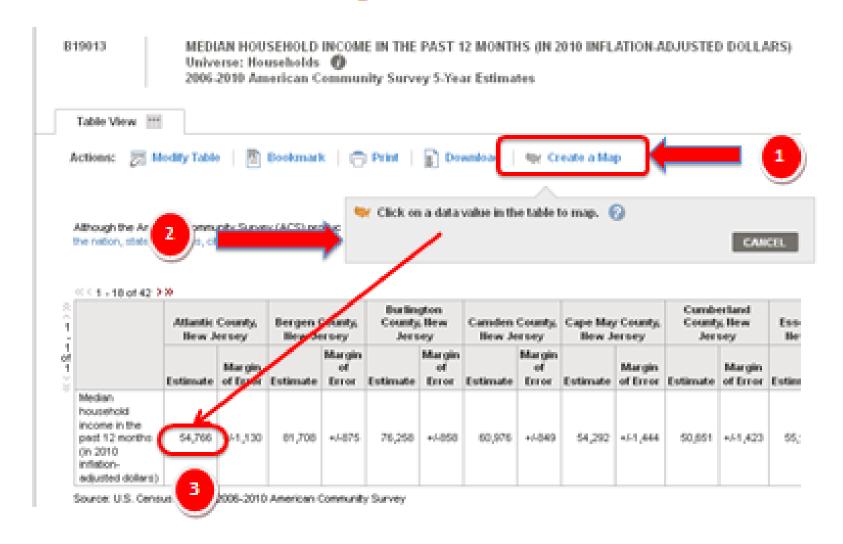




### Reset Table

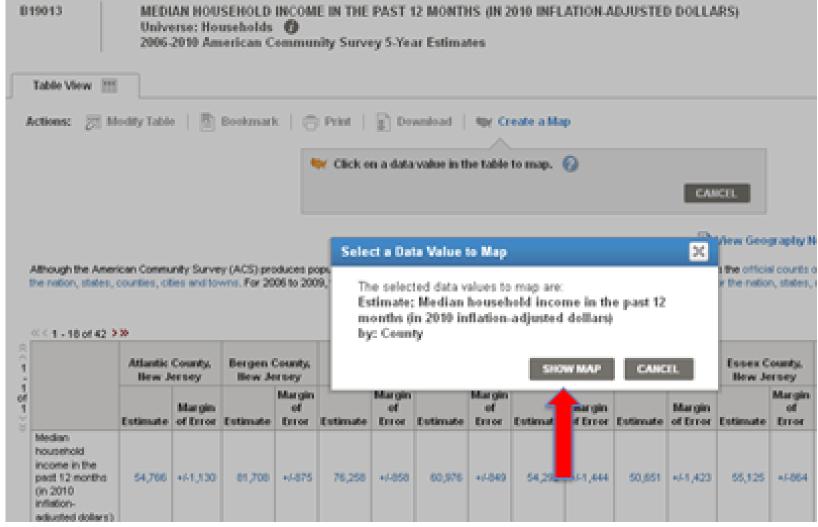


### Create A Map





# Select Values to Map



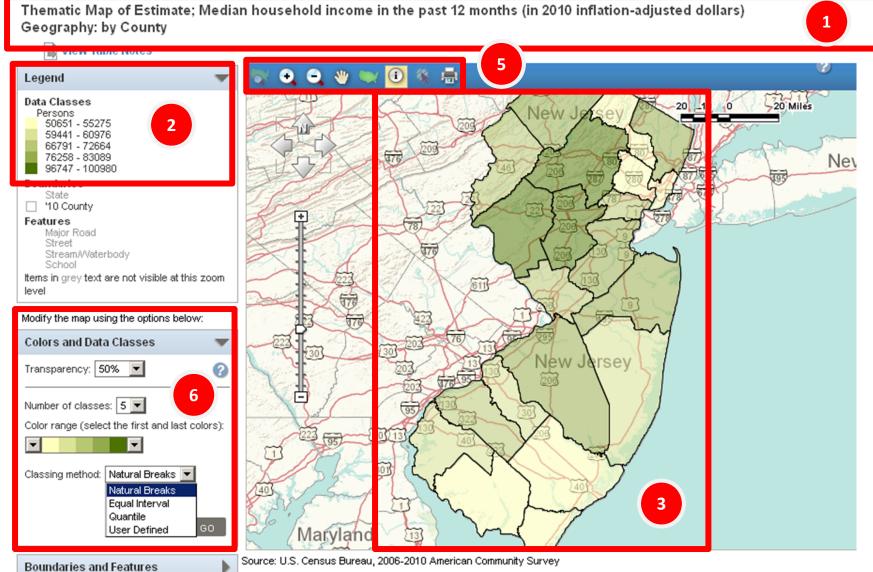




#### 4

### **Thematic Map**

Table View Map View Map View Map View Map View Map View Map Download Map Show Statistical Significance Map Create a Different Map

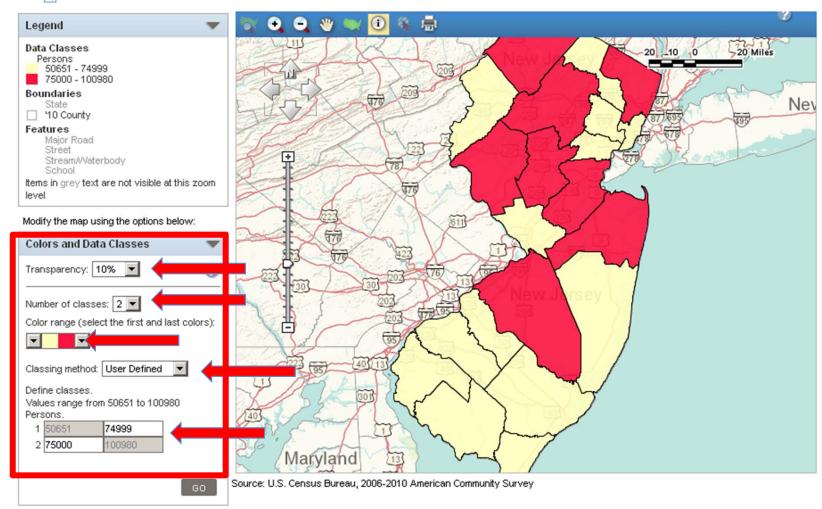




### **Modify Map Colors**, Classes & Transparency

Thematic Map of Estimate; Median household income in the past 12 months (in 2010 inflation-adjusted dollars) Geography: by County



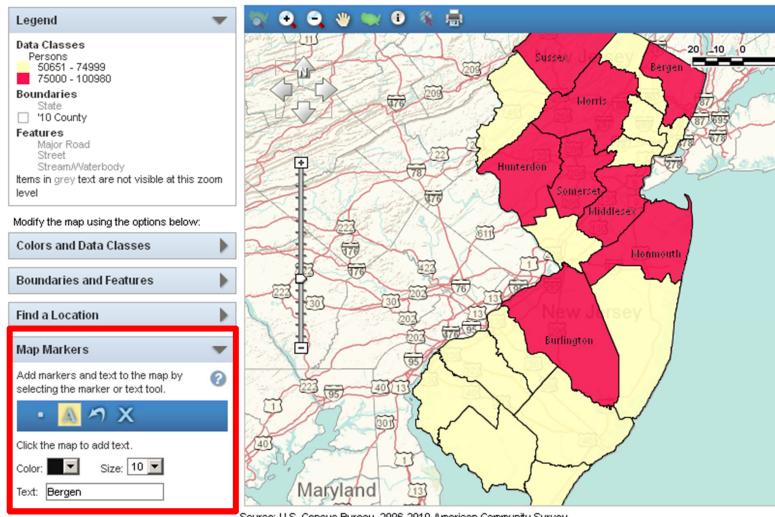




### **Add Text**

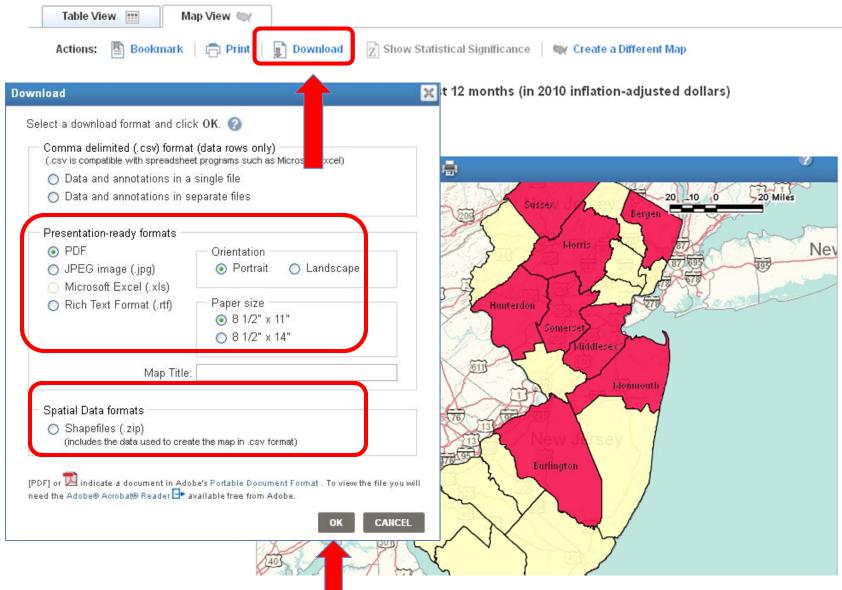
Thematic Map of Estimate; Median household income in the past 12 months (in 2010 inflation-adjusted dollars) Geography: by County





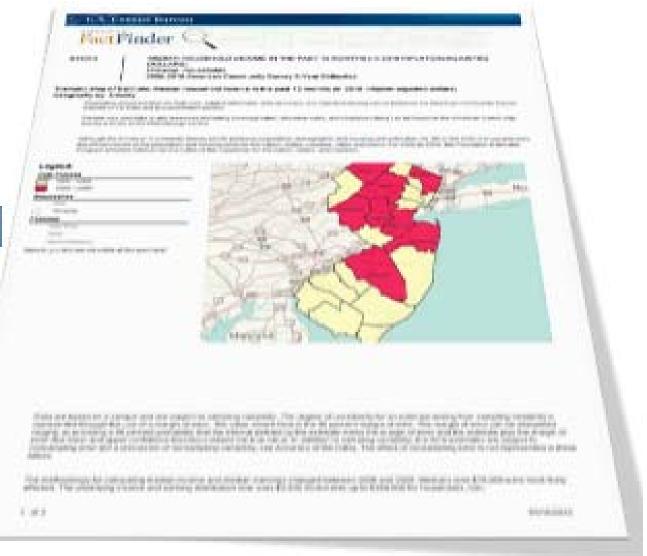


# Map Download Options





# PDF Download View

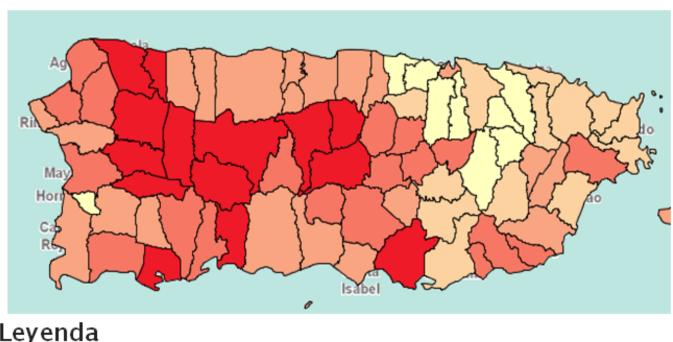




### **Rich Text Format**

Download will open in Word

% Personas Bajo Niveles de Pobreza en los Ultimos 12 Meses



#### Leyenda









27.9 - 37.1

38.4 - 46.0

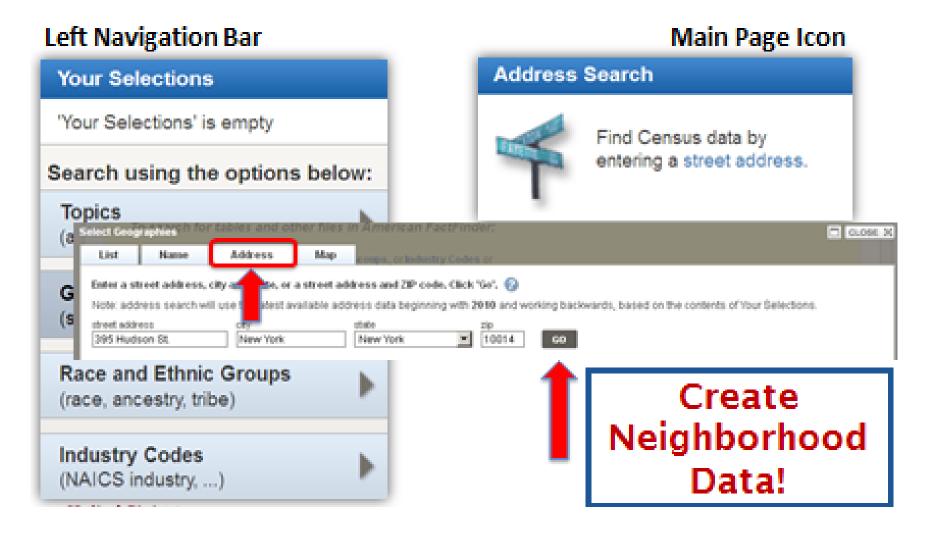
47.0 - 52.1

52.4 - 56.8

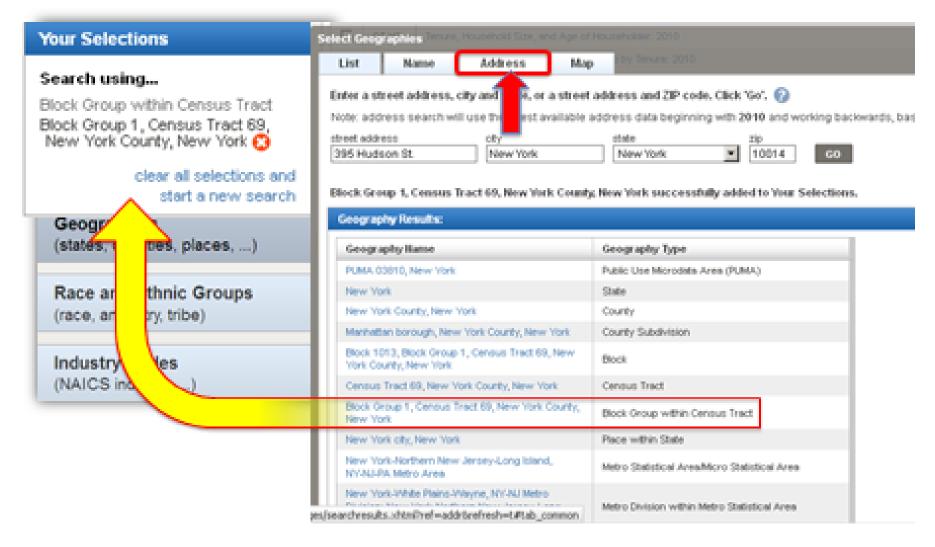
58.1 - 64.7

Source: U.S. Census Bureau, 2006-2010 American Community Survey

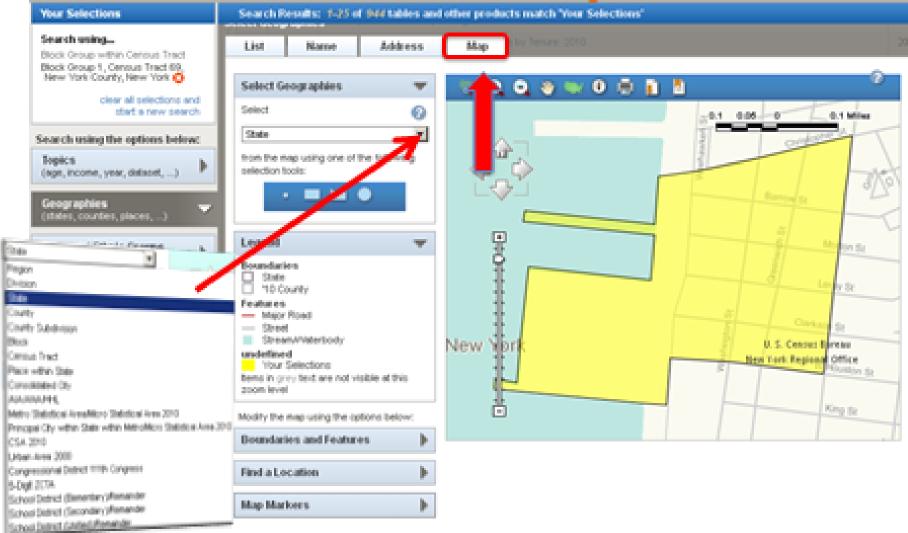
### Address Search



### Address Search



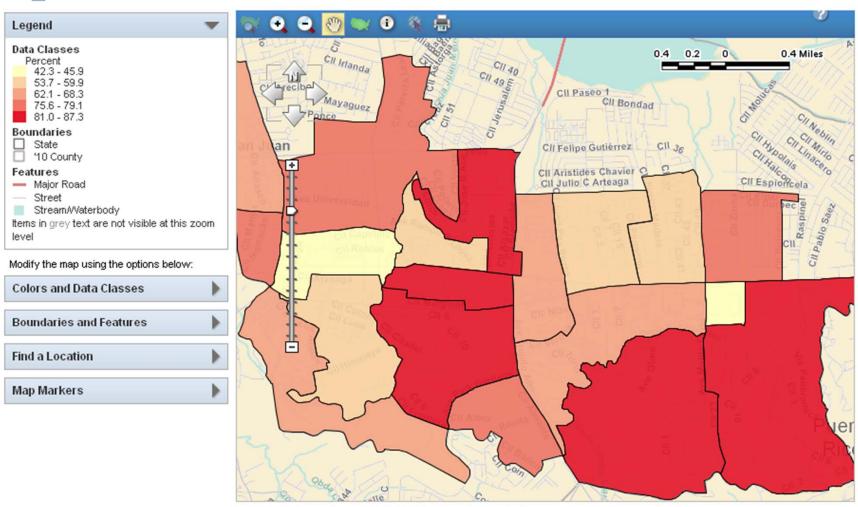
# **Address Search Map**





#### Thematic Map of Percent; EDUCATIONAL ATTAINMENT - Percent high school graduate or higher Geography: by Census Tract



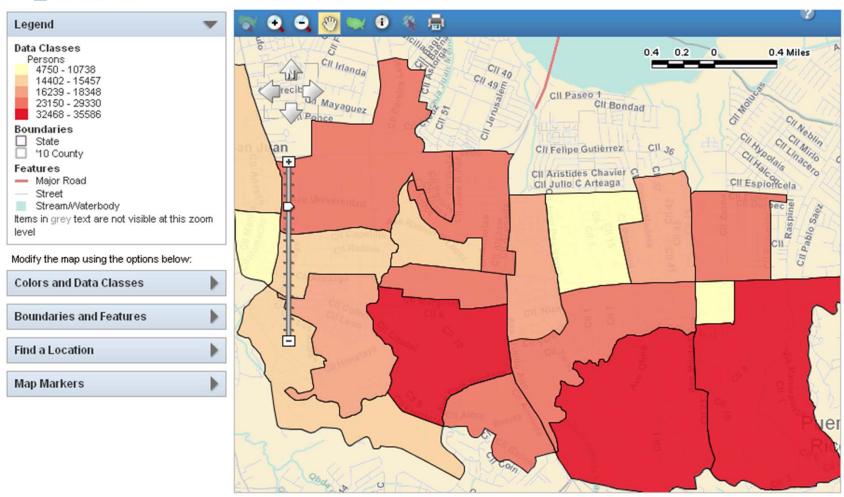


Source: U.S. Census Bureau, 2006-2010 American Community Survey



Thematic Map of Estimate; INCOME AND BENEFITS (IN 2010 INFLATION-ADJUSTED DOLLARS) - Median household income (do Geography: by Census Tract



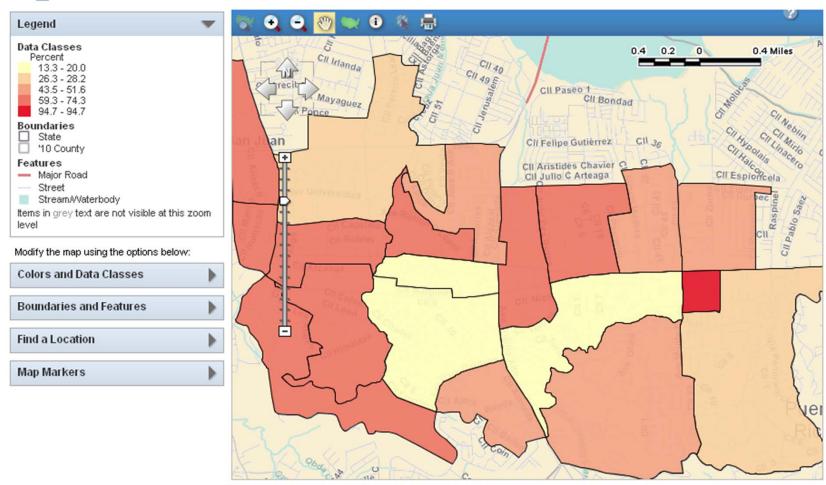


Source: U.S. Census Bureau, 2006-2010 American Community Survey

Thematic Map of Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - With related children under 18 years

Geography: by Census Tract

#### View Table Notes



Source: U.S. Census Bureau, 2006-2010 American Community Survey

### Thank you!



Brunie Sánchez
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973- 735-3404

Please complete evaluation online at:

http://questionweb.com/59212/

Lead Census Facilitator: Brunie Sanchez

Regional Location: Select New York

**Event Date:** 06/18/2014

### **Questions?**

