

The Data Tab

The U.S. Census Bureau

Kimberly Davis, Data Dissemination Specialist

2018 BIG SKY GEOCOM

April 17, 2018

Data Tools in Data Tab

- American FactFinder
- Censtats
- Census 2000 EEO Data Tool
- Census Business Builder
- Census Explorer
- Census Flows Mapper
- Census Geocoder
- DataFerrett
- Direct File Access: Census 2010 datasets
- Direct File Access: Census OUTGOING File Directory (HTTP)
- Economic Database Search and Trend Charts
- Glossary
- HIV/AIDS Surveillance Database
- Health Insurance Interactive Data Tool
- Income and Poverty Interactive Data Tool
- Industry Snapshots
- International Database
- Language Use Mapper
- Local Employment Dynamics
- This partnership offers a variety of data tools.
- Metropolitan/Micropolitan Population Map

Viewer

- My Congressional District
- My Tribal Area
- OnTheMap
- OnTheMap for Emergency Management
- Online Mapping Tools
- QWI Explorer
- QuickFacts
- Response Outreach Area Mapper (ROAM)
- TIGERweb
- U.S. and World Population Clock
- US Gazetteer
- USA Trade Online
- Widgets

2

Agenda

- Who Are We & What We Do
- Why?

- Explore in Data Tab
- Data Sources

Who We Are?

The Census Bureau's *mission* is to serve as the leading source of quality data about the nation's people and economy. We honor privacy, protect confidentiality, share our expertise globally, and conduct our work openly.



- Overseen by the Economics and Statistics Administration (ESA) within the Department of Commerce
 - Approximately 4,300 staff members currently
 - Headquartered in Suitland MD
-
- Our Authority at the Census Bureau operates under [Title 13](#) and [Title 26](#) of the U.S. Code.

Our *goal* is to provide the best mix of timeliness, relevancy, quality and cost for the data we collect and services we provide.

What We Do

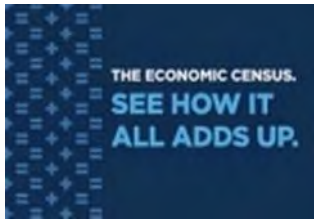


CENSUSES

- Of the population every 10 years
- Of the Economy every 5 years

SURVEYS

- Over 130 ongoing the other 9 years
 - One time surveys & longitudinal
 - On behalf of other federal organizations, as well as Census Bureau



POPULATION ESTIMATES

- Completed annually for states, counties & places

OTHER ACTIVITIES

- Age Search Service
- Combine data & data linkage



- Research to Improve Data on Race and Ethnicity

Why We Do What We Do

To determine the distribution of Congressional seats to states.

- Mandated by the U.S. Constitution
- Used to apportion seats in the U.S. House of Representatives
- Used to define legislature districts, school district assignment areas and other important functional areas of government

To make planning decisions about community services, such as where to:

- Provide services for the elderly
- Build new roads and schools
- Locate job training centers

To distribute more than **\$675 billion** in federal funds to local, state and tribal governments each year.

- Census data informs how states and communities allocate funding for:
- Neighborhood improvements

- Public health
- Education
- Transportation
- Much more

The Data Tab

The screenshot shows the United States Census Bureau website. The top navigation bar includes the following links: TOPICS (Population, Economy), GEOGRAPHY (Maps, Products), LIBRARY (Infographics, Publications), DATA (Tools, Developers), SURVEYS/PROGRAMS (Respond, Survey Data), NEWSROOM (News, Blogs), and ABOUT US (Our Research). A search bar is located on the right. The 'DATA' link is circled in red. Below the navigation bar, there is a grid of buttons: Data Main, Data Tools & Apps (with a dropdown arrow), Developers, Product Catalog, Related Sites, Combining Data, Software, Training & Workshops, and Visualizations. Below this grid is a banner for 'Texas Keeps Getting Bigger' with a city skyline silhouette and a text box stating: 'New population estimates show that the Dallas-Fort Worth-Arlington metropolitan area's 146,000-population increase last year was the most of any metro area in the United States. See graphic.' At the bottom, there are three widgets: 'POPULATION CLOCK' showing U.S. Population (327,484,609) and World Population (7,464,833,084); 'QUICKFACTS' with a 'Did You Know' section stating 'Population per square mile in Vero Beach city, Florida is 1,331.0'; and 'U.S. Census Bureau Economic Indicators' showing International Trade: Goods & Services (\$57.6 B), Manufacturers' Goods (\$498.0 B), and Construction Spending (\$1,273.1 B). A 'Is this page helpful?' survey is in the bottom right corner.

Data Tab Menu

- Data Tools and Apps
- Developers
- Product Catalog
- Related Sites
- Software
- Training & Workshops
- Visualizations

Data Tools and Apps

cen.us.gov > Data > Data Tools

Data

- Data Tools and Apps
- Developers
- Product Catalog
- Related Sites
- Software
- Training & Workshops
- Visualizations

Data Tools and Apps

Find information using interactive applications to get statistics from multiple surveys.

[2010 Census Interactive Population Map](#)
Use this tool to explore 2010 Census statistics down to the block level, compare your community with others, and embed charts on your website.

[Access Tools at Other Sites: Integrated Public Use Microdata Series](#)
iPUMS USA collects, preserves and harmonizes U.S. Census Bureau microdata and provides easy access to this data with enhanced documentation.

[American FactFinder](#)
This interactive application provides statistics from the Economic Census, the American Community Survey, and the 2010 Census, and many other data sources.

[American Housing Survey Table Creator](#)
The AHS Table Creator gives you the ability to create customized tables from the American Housing Survey without having to use the raw data File (microdata).

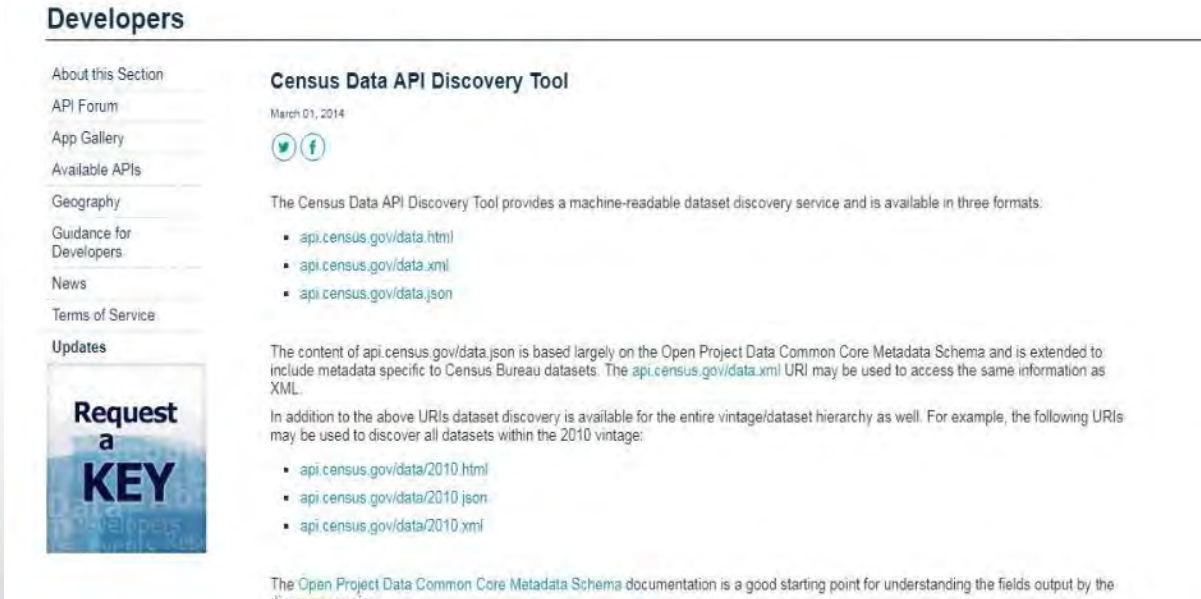
[Business Dynamics Statistics](#)
This tool shows tabulations on establishments, firms, and employment with unique information on firm age and firm size.

[CPS Table Creator](#)
The CPS Table Creator gives you the ability to create customized tables from the Current Population Survey's Annual Social and Economic Supplement (CPS ASEC).

Developers

APIs available for

- Census, ACS 1-year, ACS –1-year & more
- json, html, xml



The screenshot shows the 'Developers' section of the Census Data API Discovery Tool. On the left is a navigation menu with links: 'About this Section', 'API Forum', 'App Gallery', 'Available APIs', 'Geography', 'Guidance for Developers', 'News', 'Terms of Service', and 'Updates'. Below the menu is a graphic that says 'Request a KEY'. The main content area is titled 'Census Data API Discovery Tool' and dated 'March 01, 2014'. It features social media icons for Twitter and Facebook. The text states: 'The Census Data API Discovery Tool provides a machine-readable dataset discovery service and is available in three formats.' This is followed by a bulleted list of API endpoints:

- api.census.gov/data.html
- api.census.gov/data.xml
- api.census.gov/data.json

The text continues: 'The content of api.census.gov/data.json is based largely on the Open Project Data Common Core Metadata Schema and is extended to include metadata specific to Census Bureau datasets. The api.census.gov/data.xml URI may be used to access the same information as XML. In addition to the above URIs dataset discovery is available for the entire vintage/dataset hierarchy as well. For example, the following URIs may be used to discover all datasets within the 2010 vintage:' followed by another bulleted list:

- api.census.gov/data/2010.html
- api.census.gov/data/2010.json
- api.census.gov/data/2010.xml

The page concludes with: 'The Open Project Data Common Core Metadata Schema documentation is a good starting point for understanding the fields output by the discovery service.'

Product Catalog

Product Subjects

- Business and Industry
- Certification Services
- Decennial Census: 1980 - 2000
- Foreign Trade
- People and Households
- Trainings
- Unavailable Products
- Data in DVDs, CDs, CD-ROM and printed publication that provide periodic and comprehensive statistics
- Certification services for users needing to have Census Bureau documents or data certified for use in legal proceedings
- Reference - U.S. government's premier desktop reference sources with statistical information on the United States

Software

Data Tools and Apps

Developers

Product Catalog

Related Sites

Software

Training & Workshops

Visualizations

Software to Download

Download software to display, extract, map, process, and/or tabulate census and survey data.



CSPro Software

March 15, 2018

CSPro is a public domain software package used by organizations and individuals for entering, editing, tabulating, and disseminating census and survey data.



Demographic Analysis & Population Projection System (DAPPS) Software

March 15, 2018

DAPPS is a software package for analyzing and creating cohort-component population projections.



Population Analysis System (PAS) Software

November 2014

PAS contains tools for analyzing age structure, mortality, fertility, migration, population distribution, and urbanization, to generate population projections.



Rural Urban Projection (RUP) Software

November 2014

RUP is a computer program for projecting age and sex cohorts over time.



Subnational Projections Toolkit (SPToolkit) Software

November 2014

The Toolkit supports preparation of subnational population projections using cohort-component and/or non-cohort-component (mathematical extrapolation) methods.



Tool for Assessing Statistical Capacity (TASC)

August 25, 2017

TASC provides a quantitative measure to the capacity of a National Statistical Office to conduct Population & Housing Censuses or household-based surveys.



VPLX Software

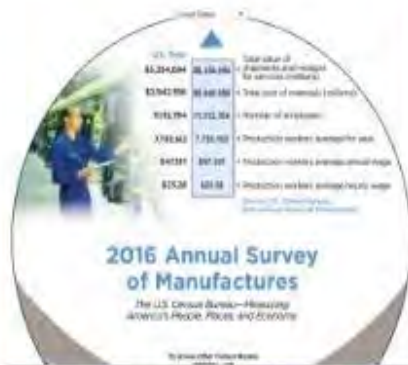
2009

Variance Estimation for Complex Samples (for IBM-PC's and compatibles and UNIX [Sun/Solaris])

Visualizations



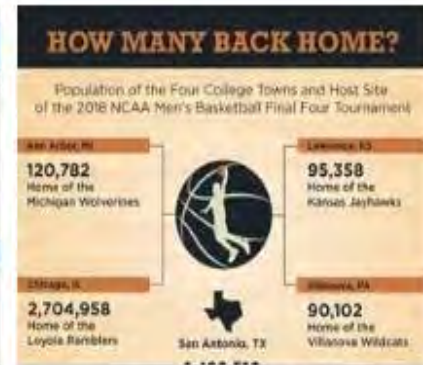
National Pet Day



2016 Annual Survey of Manufactures Data Wheel



Road to the 2020 Census



How Many Back Home? 2018 NCAA Men's Basketball Final Four



How Many Back Home? 2018 NCAA Women's Basketball Final Four



Health Insurance Coverage: 2008 – 2016



SAHIE Report Maps, 2016



Texas Keeps Getting Bigger

Training & Workshops

Training Opportunities



Recorded Webinars

This page contains free trainings that have been previously recorded and are available for use at your convenience.



Training Resources

View topical one-pagers that are an introduction to some of the topics, programs and surveys offered by the Census Bureau.



How-To Videos

View tutorial videos here or on YouTube on trainings and workshops presented by the U.S. Census Bureau.



Contact Us

Census Bureau Education and Training Branch: 301-763-4308. Email: clmso.training@census.gov

•**Webinars** – List for our upcoming webinars on site . No registration is needed. We also have a network of Data Specialists who can provide training throughout the nation – these webinars require registration.

•**Video Tutorials** – We have a growing number in our Training Resources Library.

•**Classroom Training** – We do this when distance and staff resources allow.

DATA QUESTIONS OR FREE DATA TRAINING?

Contact 1-844-ASK-DATA (1-844-275-3282)

or

email census.askdata@census.gov

Kimberly Davis

kimberly.ann.davis@census.gov