# Federal Government Open Data Sources

Noemi Mendez Eliasen US Census Bureau Philadelphia Regional Office





## Agenda

- Open Government Initiative
- Data.gov
  - Data and Tools
  - Developers Corner
- US Census Bureau
  - Census API
  - Apps/Website





# Open Government Initiative

- Memorandum on Transparency and Open Government issued on January 21, 2009
  - Principles of transparency
  - Participation
    - Publish Government Information Online
    - Improve the Quality of Government Information
    - Create and Institutionalize a Culture of Open Government
    - . Create an Enabling Policy Framework For Open Government







#### LATEST BLOG POSTS [5]

December 6, 2013 at 10:30 AM EST

The United States Releases its Second Open Government National Action Plan

The Obama Administration released the second U.S. Open Government National Action Plan, announcing 23 new or expanded open-government commitments that will advance these efforts even further. Highlights of the second National Action Plan included We the People," Freedom of Information Act (FOIA) Modernization, The Global Initiative on Fiscal Transparency (GIFT). Open Data

#### PARTICIPATE NOW









#### OpenGov Initiatives

Feel free to explore the various government-wide initiatives related to open government.

#### **Government Information**







#### Performance and Accountability











#### Citizen Engagement







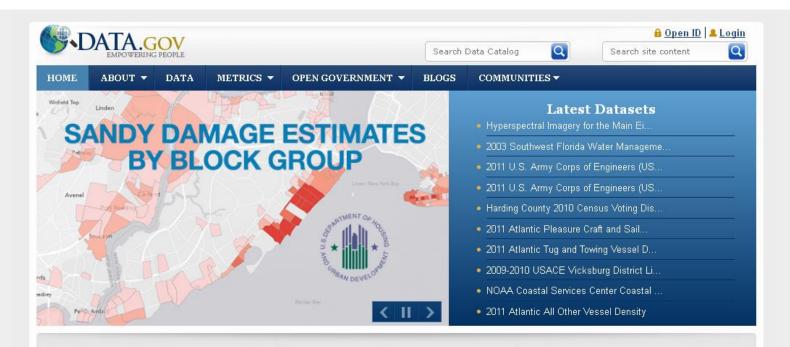




# Data.gov - YouTube







#### DATA AND TOOLS



- 88,411 datasets 🕡
- 349 citizen-developed apps
- 137 mobile apps
- 175 agencies and subagencies
- 87 galleries
- 409 Government APIs
- Suggest a dataset

#### COMMUNITIES



Come explore, discuss, meet others in the same field, and develop the data and apps in the community that you care about. Join in the discussions by going to communities, some of which are listed below, that interest you.

EDUCATION ENERGY
BUSINESSUSA AGRICULTURE

#### OPEN GOVERNMENT



View our government at work and find opportunities to participate.

- Open Government Initiative
- · Open Government Platform
- Recovery.gov
- USASpending.gov
- · We the People





# Data.gov

- Data Providers
  - · Federal, State and Academic Data
- Search Tool
- · APIs





# 175 Agencies and Subagencies

- Dept. of Agriculture (294)
- Dept. of Commerce (35,862)
- Dept. of Defense (331)
- Dept. of Education (112)
- Dept. of Energy (207)
- Dept. of Health & Human Services (908)
- Dept. of Homeland Security (179)
- Dept. of Housing & Urban Development (48)

- Dept. of Justice (184)
- Dept. of Labor (66)
- Dept. of State (88)
- Dept. of Transportation (2,079)
- Dept. of Veterans Affairs (171)
- Dept. of the Interior (12,141)
- Environmental Protection Agency (1,809)
- . NASA (25)
- Small Business Administration (9)



# State/County Initiatives







#### Back to Open Data Sites

#### State Datasites







# Search Tools

- · Search Tool
  - Keywords
    - · Shapefile
    - ArcGIS
    - · KML/KMZ
    - · JSP
    - . JSON
    - · WMS





#### Developer Hubs

#### Agencies

- · White House
- Department of Agriculture
  - . Economic Research Service
- Department of Commerce
  - Bureau of Economic Analysis
  - Census Bureau
    - National Weather Service
  - National Climate Data Center
- · Department of Defense
- Department of Education
- Department of Energy
  - Energy Information Administration
  - National Renewable Energy Laboratory
  - Office of Scientific & Technical Information
- Department of Health & Human Services
  - Centers for Medicare & Medicaid Services
  - National Institute on Drug Abuse
  - National Library of Medicine
  - Substance Abuse & Mental Health Services Administration
- Department of Homeland Security
- Department of Housing & Urban Development
- Department of the Interior
  - U.S. Geological Survey
- . Department of Justice
  - . Bureau of Justice Statistics
- Department of Labor
- · Department of State
  - Office of the Historian State Department
- · Department of Transportation
  - Federal Aviation Administration
  - Federal Motor Carrier Safety Administration
  - National Highway Traffic Safety Administration
- · Department of the Treasury
- . Department of Veterans Affairs

#### Independent Agencies

- Consumer Financial Protection Bureau
- · Consumer Product Safety Commission
- Environmental Protection Agency
- Federal Communications Commission

- · Federal Register
- Federal Reserve Bank of St. Louis del
- General Services Administration
- Millenium Challenge Corporation
- National Aeronautics & Space Administration
- National Archives & Records Administration
  - Federal Register
- National Science Foundation
- Nuclear Regulatory Commission
- Office of Personnel Management
- Small Business Administration
- Social Security Administration
- . U.S. Agency for International Development

#### **Programs**

- BusinessUSA
- · Commerce Automated Export System
- Data.gov
- DEA E-Commerce Program
- EnergyStar.gov
- FOIA.gov
- FuelEconomy.gov
- HealthData.gov
- HealthFinder.gov
- HHS Health Indicator Warehouse
- · HHS Medicare
- Integrated Taxonomic Information System
- ITDashboard.gov
- My.USA.gov
- National Broadband Map
- · National Information Exchange Model
- · National Resource Directory
- Performance.gov Permits
- · Recovery.gov
- Regulations.gov
- · Small Business Innovation Research
- USA.gov
- USAJOBS.gov
- USASearch
- USASpending.gov
- . U.S. Courts PACER



# Census Bureau Open Data

- API/Civic Hackathons
  - How to Request a Key
  - Available Data Sets
- Easy Stats
- My Congressional District
- Census Explorer
- LED/OnTheMap
- Mobile Apps

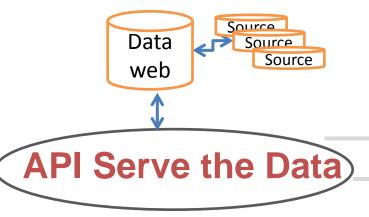




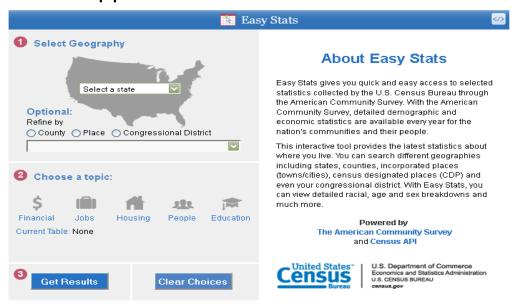


# Open Government

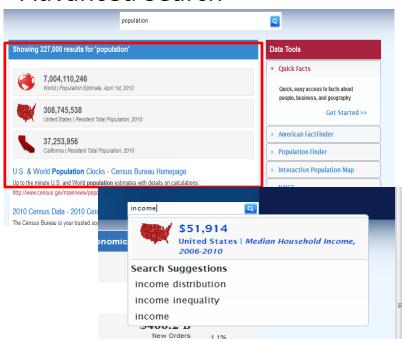
APIs provide new methods of data access and dissemination



Web Applications API enabled



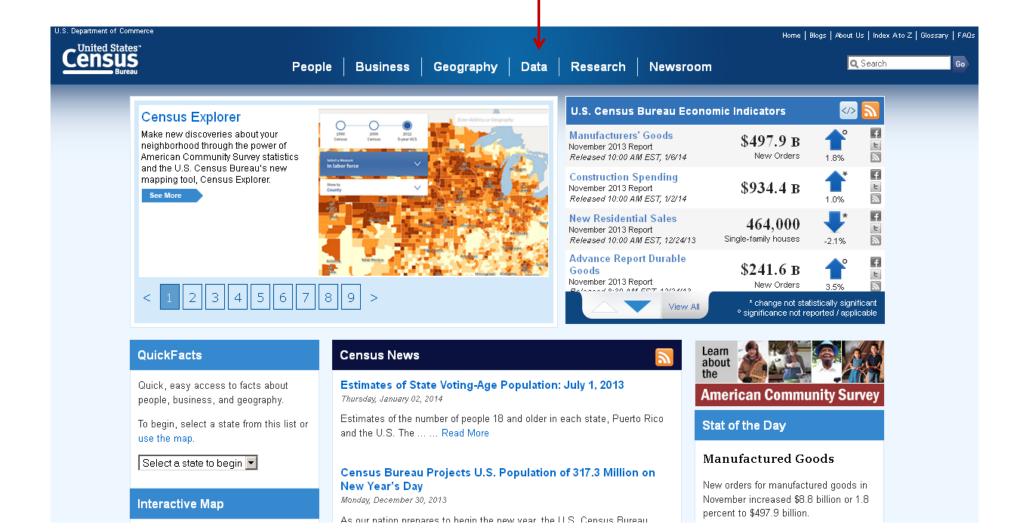
#### Advanced Search



#### **Mobile Applications**











### www.census.gov/developers/



#### Access Data with the Census API

Main Data Sets Geography App Gallery

#### Using the API

Request a Key Data Sets

#### Download Data

To download full data sets, visit our ETP Server

#### Developer Forum

Need help? Join our Developer Forum • to submit questions, share your apps, and provide feedback.

GET EMAIL UPDATES



#### The Census Bureau API

To improve access to data and encourage innovation, the Census Bureau has begun to provide API access to some data sets. We invite developers to use these APIs, join our Developer Forum, and provide feedback to help us move forward with continued API development.

Please read the Terms of Service for using the API.

#### New Discovery Tool

http://api.census.gov/data.json

The Census Data API team is proud to announce the beta release of our machine-readable dataset discovery service. The http://api.census.gow/data.json URI produces a JSON document describing all available datasets. The content of this JSON document is based largely on the Open Project Data Common Core Metadata Schema, and extended to include metadata specific to Census Bureau datasets. The http://api.census.gow/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 http://api.census.gov/data/2010.json and http://api.census.gov/data/2010.xml URIs may be used to discover all datasets within the 2010 vintage.

The Open Project Data Common Core Metadata Schema 🖶 documentation is a good starting point for understanding the fields output by the discovery service. We will soon release our own documentation which includes information about Census specific fields.

This is a beta release. We'd like to hear what you think about our new dataset discovery service. Based on your feedback, and the feedback of others, we may make some changes. At some point down the line -- once we're confident that the kinks are worked out -- we'll announce that the discovery API is out of heta.

Happy discovering!

#### **Accessing Data**

Data are accessible to software developers through a stateless HTTP GET request. Up to 50 variables can be requested with a single API call. In order to access data, you will need to insert a key into the request URL in order for query results to be returned. If you do not have a key assigned to you, you will be directed to the Request a Key page where you can register for one.

Coming Dec 17th: ACS 5 Year 2008-2012 Summary Files and Data Profiles.

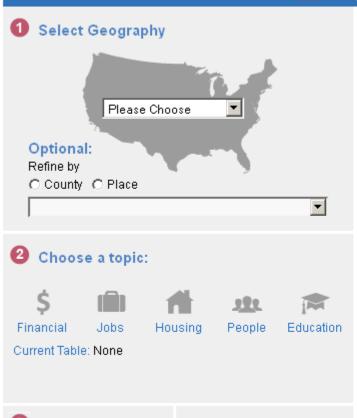
Now available: 2010-2012 ACS 3 Vaar Data Profiles - Tables from the American Community Suway (ACS) that provide cummaries of various demonstrable











Clear Choices

**Get Results** 

#### **About Easy Stats**

Easy Stats gives you quick and easy access to selected statistics collected by the U.S. Census Bureau through the American Community Survey. With the American Community Survey, detailed demographic and economic statistics are available every year for the nation's communities and their people.

This interactive tool provides the latest statistics about where you live. You can search different geographies including states, counties, incorporated places (towns/cities) and census designated places (CDP). With Easy Stats, you can view detailed racial, age and sex breakdowns and much more.

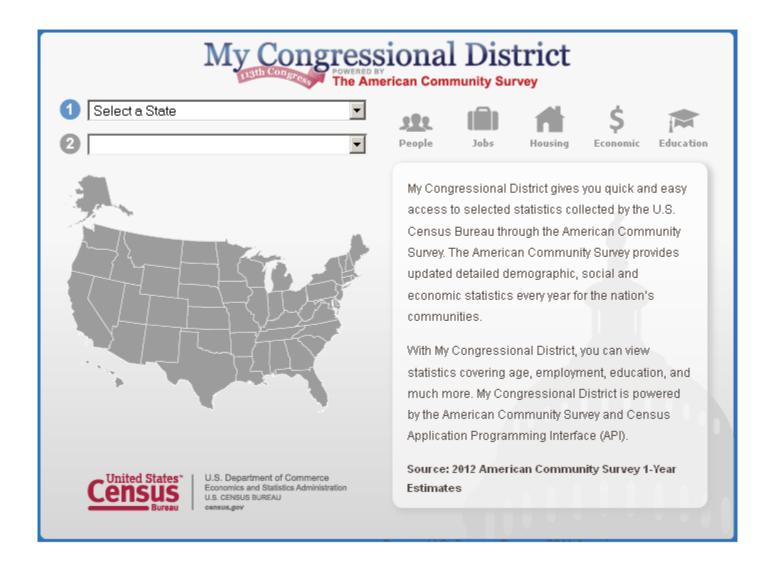
Powered by
The American Community Survey
and Census API



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





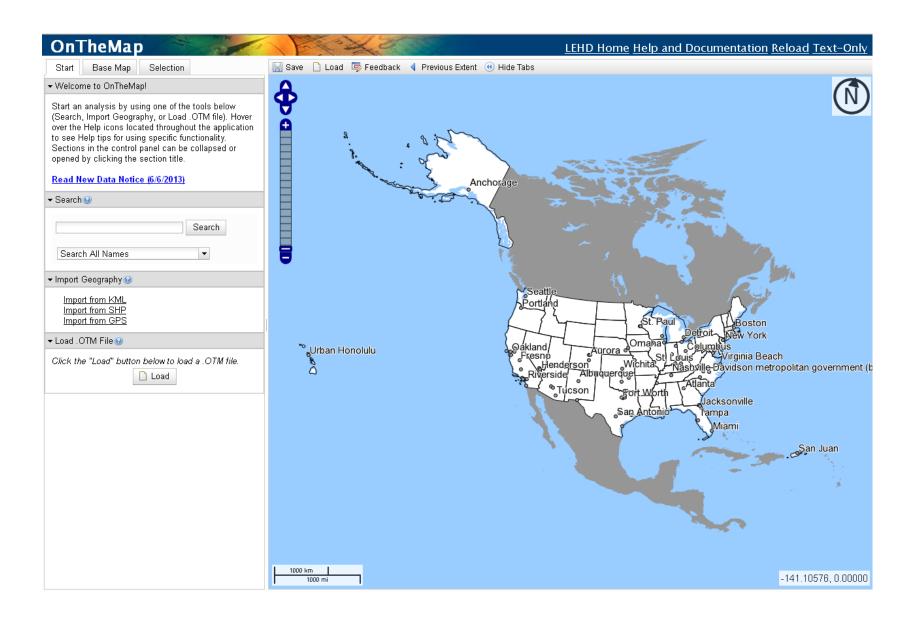






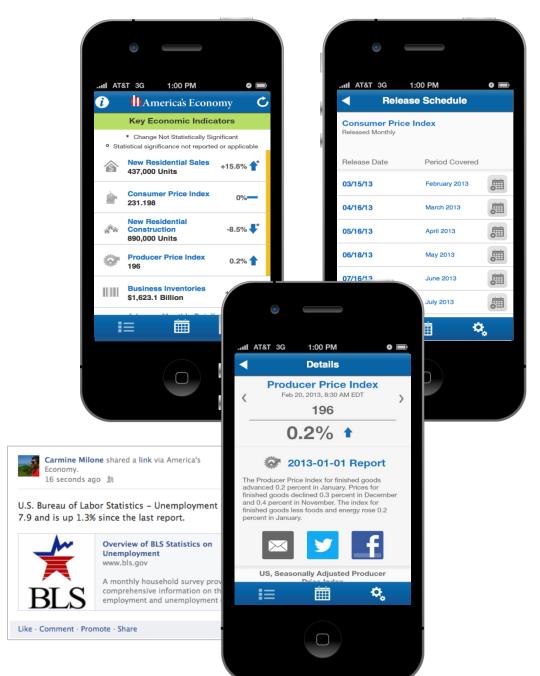
















Thank You.

Noemi Mendez Eliasen

noemi.mendez@census.gov

215-717-1834

Visit our website:

www.census.gov



