

Census Data, Data Tools and Tips

Census Workshop
Puget Sound Regional Council
May 15, 2019

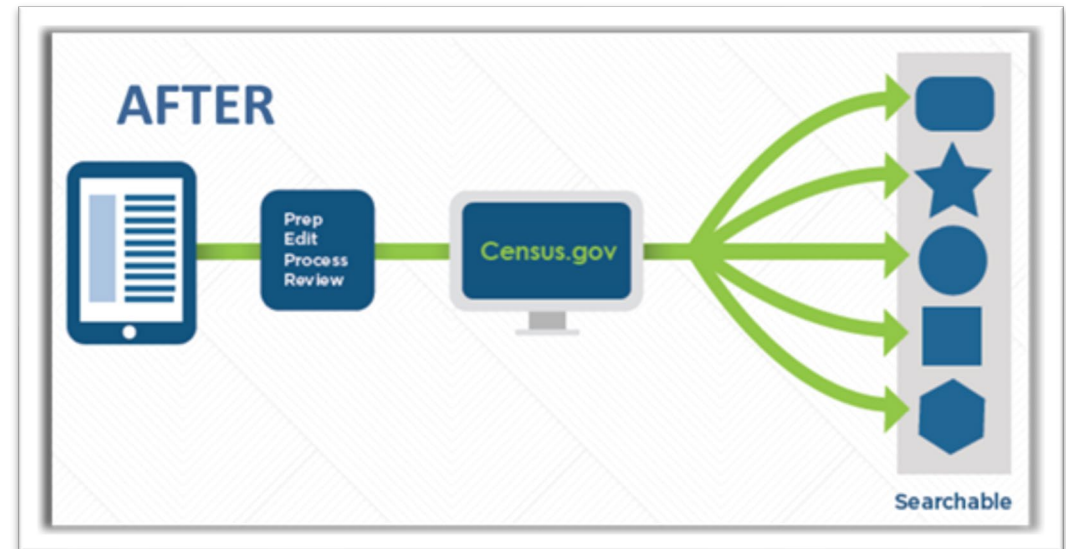
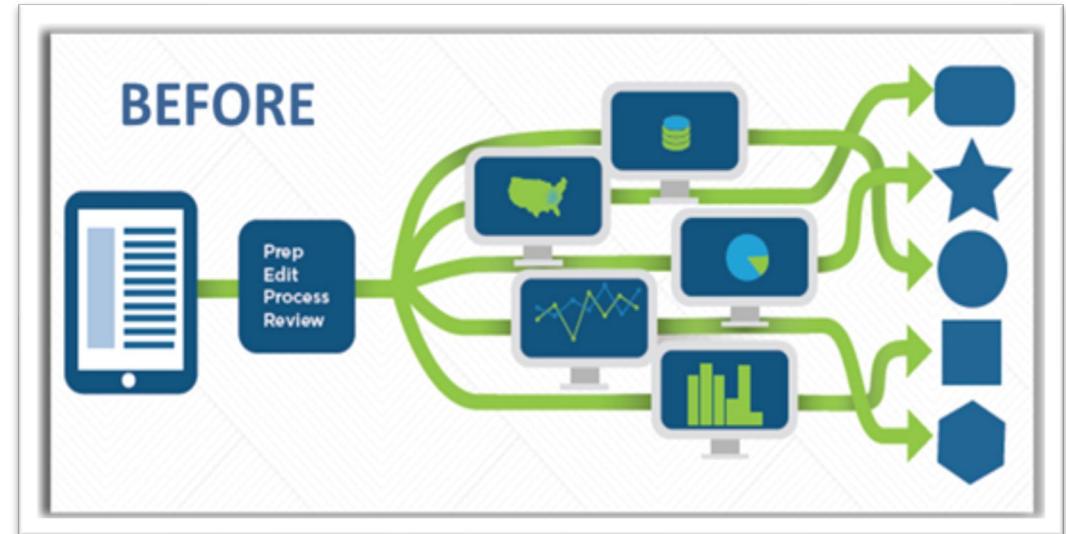
Heidi Crawford
Data Dissemination Specialist
U.S. Census Bureau

Outline

- Vision
- Current Snapshot
- Using data.census.gov: live demo and tips
- Looking Ahead
- Q&A

New Enterprise Dissemination

- ✓ Streamline access to data
- ✓ Maintain the best of our current tools
- ✓ Reduce redundancies and operational costs
- ✓ Provide greater access to Census Bureau API



Current Snapshot

Data in the New Platform: American Community Survey

Data Product	2010	2011	2012	2013	2014	2015	2016	2017
Detailed Tables	✓	✓	✓	✓	✓	✓	✓	✓
Subject Tables	✓	✓	✓	✓	✓	✓	✓	✓
Supplemental Tables	–	–	–	–	✓	✓	✓	✓
Selected Population Profiles							✓	✓
Data Profiles	✓	✓	✓	✓	✓	✓	✓	✓
Comparison Profiles	✓	✓	✓	✓	✓	✓	✓	✓
Selected Population Tables (5-Year)		–	–	–	–		–	–
American Indian Alaska Native Tables (5-Year)		–	–	–	–		–	–

✓: Available now

Blank cell: Coming soon

Data in the New Platform: Decennial and Econ

Data Product	2010	2011	2012	2013	2014	2015	2016	2017
Decennial Census (Summary File 1, 113 th & 115 th Congress Detailed Tables)	✓	–	–	–	–	–	–	–
Economic Census US Basic Data	–	–	✓	–	–	–	–	
County Business Patterns	–	–	✓	✓	✓	✓	✓	
Non-Employer Statistics	–	–	✓	✓	✓	✓	✓	
Survey of Business Owners (Company Summary & Characteristics of Business Owners)	–	–	✓	–	–	–	–	–

✓: Available now

Blank cell: Coming soon

Upcoming Milestones

Spring 2019

Summer 2019

Fall 2019

- **First data releases exclusively on new platform (Nonemployer and Public Sector)**

- **End of new data releases on American FactFinder**

- **Major releases 2018 ACS & 2017 Economic Census**

Feedback on data.census.gov we recently implemented

“No easy way to change years or datasets when looking at a table.”

“Advanced Search: Find results with...is very confusing.”

“The table names are truncated and you have to do a lot of clicking to find the table you need.”

“There seems to be a lot of white space in the tables, limiting how much is visible when first navigating to the table.”

“Occasionally I had to wait five whole minutes for it to load. The system was often slow and froze.”

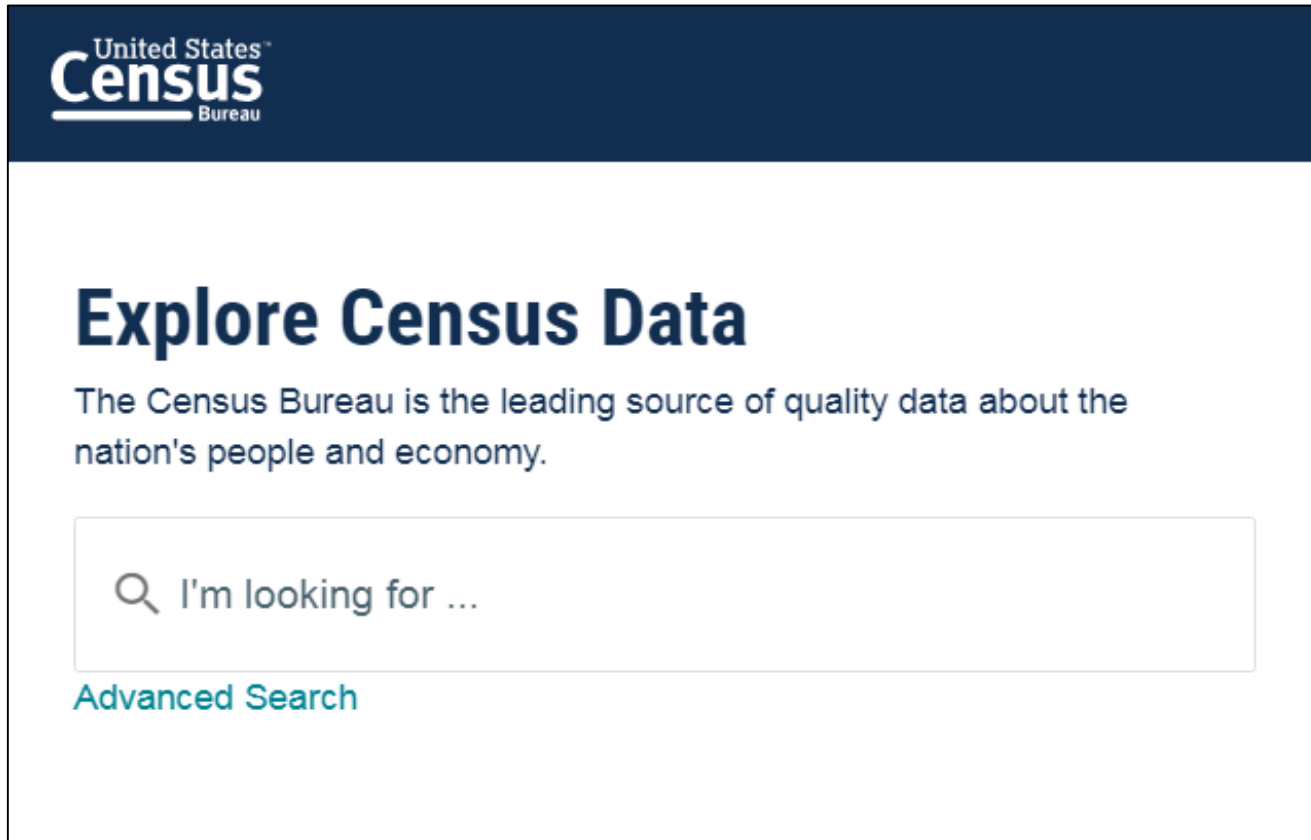
“If you hadn't said something about the tiny "t", I would have kept thinking that the only data loaded in EDDE were data for 2017 ACS 1-Year.”

“Seems to be no back buttons to change search variables, just browser buttons.”



Live Demo and Tips

Single Search - Quick Wins for All Users



United States[™]
Census
Bureau

Explore Census Data

The Census Bureau is the leading source of quality data about the nation's people and economy.

🔍 I'm looking for ...

[Advanced Search](#)

Use for quick wins to find things like:

- **Simple statistics**
e.g. health insurance in Arizona
- **Profile for a single geography**
e.g. Arizona profile
- **NAICS**
531110
- **Table ID**
B19001
- **Groups of tables**
CP

Search for Groups of Tables

CP: Provides all 5 Comparison Profiles

B27: Provides all 32 Detailed Tables for Health Insurance

B19001: Provides main table plus race iterations B19001A-I

Search for 'cp' results. The interface shows a search bar with 'cp' and a 'Search' button. Below the search bar are tabs for 'ALL', 'TABLES', 'MAPS', and 'PAGES', with 'TABLES' selected. The results section shows '5 Results' and a 'Filter' button. The first result is 'COMPARATIVE SOCIAL CHARACTERISTICS IN THE UNITED STATES' with details: Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, Table: CP02. The second result is 'COMPARATIVE ECONOMIC CHARACTERISTICS' with details: Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, Table: CP03.

Search for 'b27' results. The interface shows a search bar with 'b27' and a 'Search' button. Below the search bar are tabs for 'ALL', 'TABLES', 'MAPS', and 'PAGES', with 'TABLES' selected. The results section shows '32 Results' and a 'Filter' button. The first result is 'HEALTH INSURANCE COVERAGE STATUS BY SEX BY AGE' with details: Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, Table: B27001. The second result is 'HEALTH INSURANCE COVERAGE STATUS BY AGE (WHITE ALONE)' with details: Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, Table: B27001A.

Search for 'b19001' results. The interface shows a search bar with 'b19001' and a 'Search' button. Below the search bar are tabs for 'ALL', 'TABLES', 'MAPS', and 'PAGES', with 'TABLES' selected. The results section shows '13 Results' and a 'Filter' button. The first result is 'HOUSEHOLD INCOME IN THE PAST 12 MONTHS (IN 2017 INFLATION-ADJUSTED DOLLARS)' with details: Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, Table: B19001. The second result is 'HOUSEHOLD INCOME IN THE PAST 12 MONTHS (IN 2017 INFLATION-ADJUSTED DOLLARS) (WHITE ALONE HOUSEHOLDER)' with details: Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, Table: B19001A.

Wildcard (*) functionality is still in the process of being added, but many searches already behave as expected

Search by NAICS Code (e.g. 4451)

United States **Census** Bureau

4451, all counties in maryland

Search

Geography Area Series: County Business Patterns: 2016

Survey/Program: Economic Annual Surveys Year: 2016 TableID: CB1600A11

[RESTORE TABLE LAYOUT](#) [CHANGE TABLE LAYOUT](#)

Geographic Area Name	2012 NAICS code	Meaning of 2012 NAICS code	Year	Number of establishments	Paid employees for p including March 12 (n
Allegany County, Maryland	4451	Grocery stores	2016	18	
Anne Arundel County, Maryland	4451	Grocery stores	2016	160	
Baltimore County, Maryland	4451	Grocery stores	2016	256	
Calvert County, Maryland	4451	Grocery stores	2016	20	
Caroline County, Maryland	4451	Grocery stores	2016	10	

Advanced Search – More Complex Searches

The screenshot shows the U.S. Census Bureau Advanced Search interface. The top navigation bar includes the 'United States Census Bureau' logo and a search bar. Below the navigation bar, there are two main sections: 'FILTERS' and 'TOPICS'. The 'FILTERS' section includes 'Topics', 'Geography', 'Years', 'Surveys', and 'Industries'. The 'TOPICS' section is highlighted with a red rounded rectangle and includes the following items: Business and Economy, Education, Employment, Families and Living Arrangements, Government, Health, Housing, Income and Poverty, Populations and People, and Race and Ethnicity. At the bottom of the interface, there is a search query input field, a 'VIEW QUERY' button, and a 'VIEW ALL RESULTS' button.

- **Survey/Program or Table Type**
e.g. ACS 1-Year Detailed Tables
- **Geographies with complex names**
e.g. Census Tract 100.01, Bibb County, AL
- **Collections of geographies**
e.g. All places in the United States
- **Cross tabulations**
e.g. Health insurance by full/part-time by sex
- **Detailed pop groups**
Race, Tribal, Hispanic Origin, Ancestry, and country of birth groups

Explore the new layout of topics in the advanced search

Looking Ahead

Feedback on data.census.gov we are working on now

“After backing out and starting over, I received the message “Sorry, that table is too large to display.”

“The geo selection feature in data.census.gov is very poorly designed as of right now!”

“Is it possible to have the column heading wrap in a cell rather than have to be 'stretched' out because it is on one line?”

“When selecting geographies, the list also is somewhat in alphabetical order but also somewhat not. It is confusing.”

“I get that many users don't want to bother with MOEs...but as a scientific bureau, we should have MOEs displayed as a default. They're very important for understanding an estimate.”

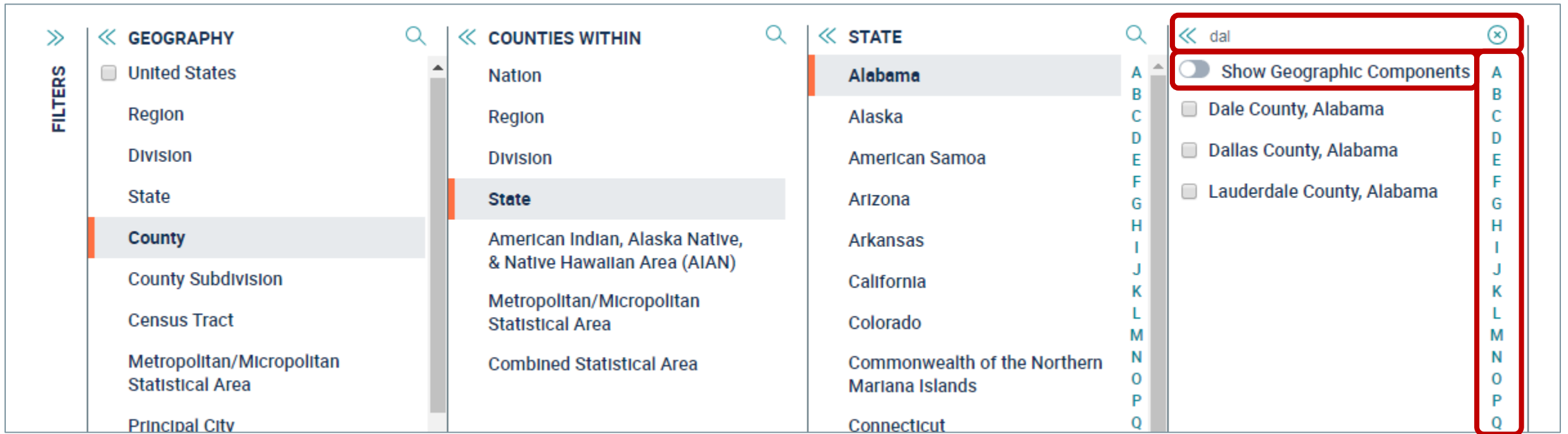
“I want the ability to select more geographies in bulk like “All census tracts in the US and PR”



Plans to Improve the Geo Filter

Make it easier for users to:

- Select their desired geographic level
- Select geographies from long lists of results

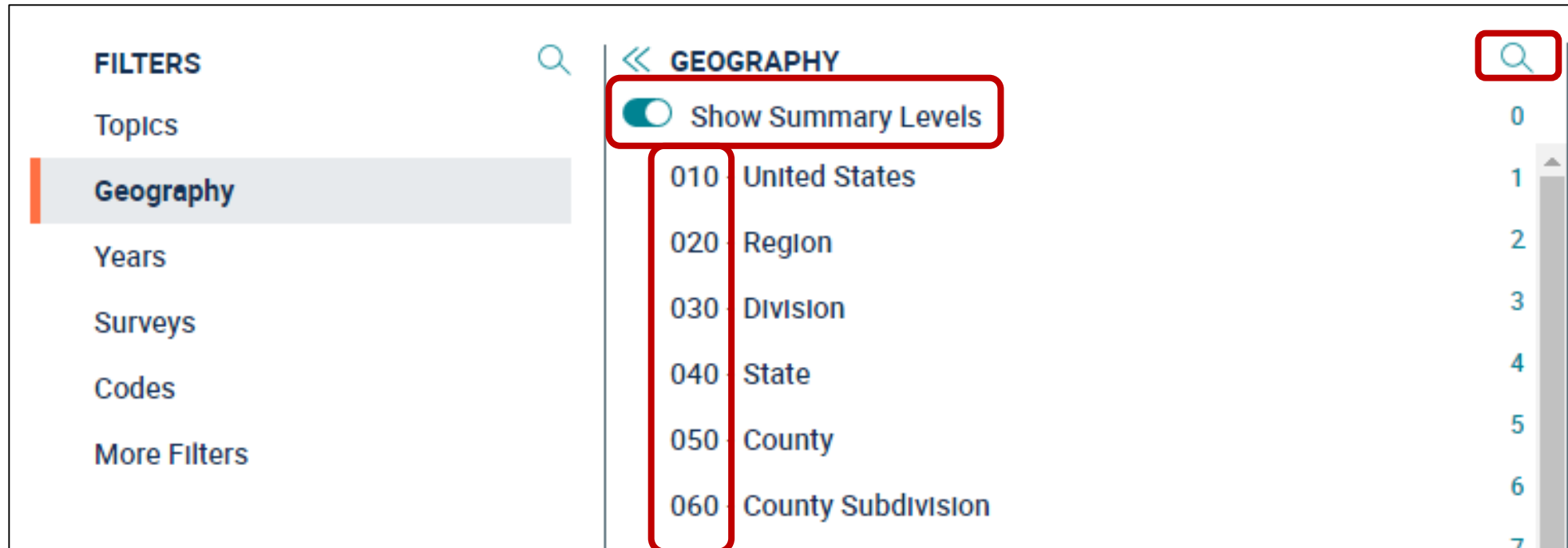


*This is a wireframe only to show some of the user needs that we are working to meet. The exact build may differ and could come incrementally across multiple future releases.

Plans to Improve the Geo Filter

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- Select their desired geographic level



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Plans to Add More Checkboxes to Select All Geos in a List

« TEXAS

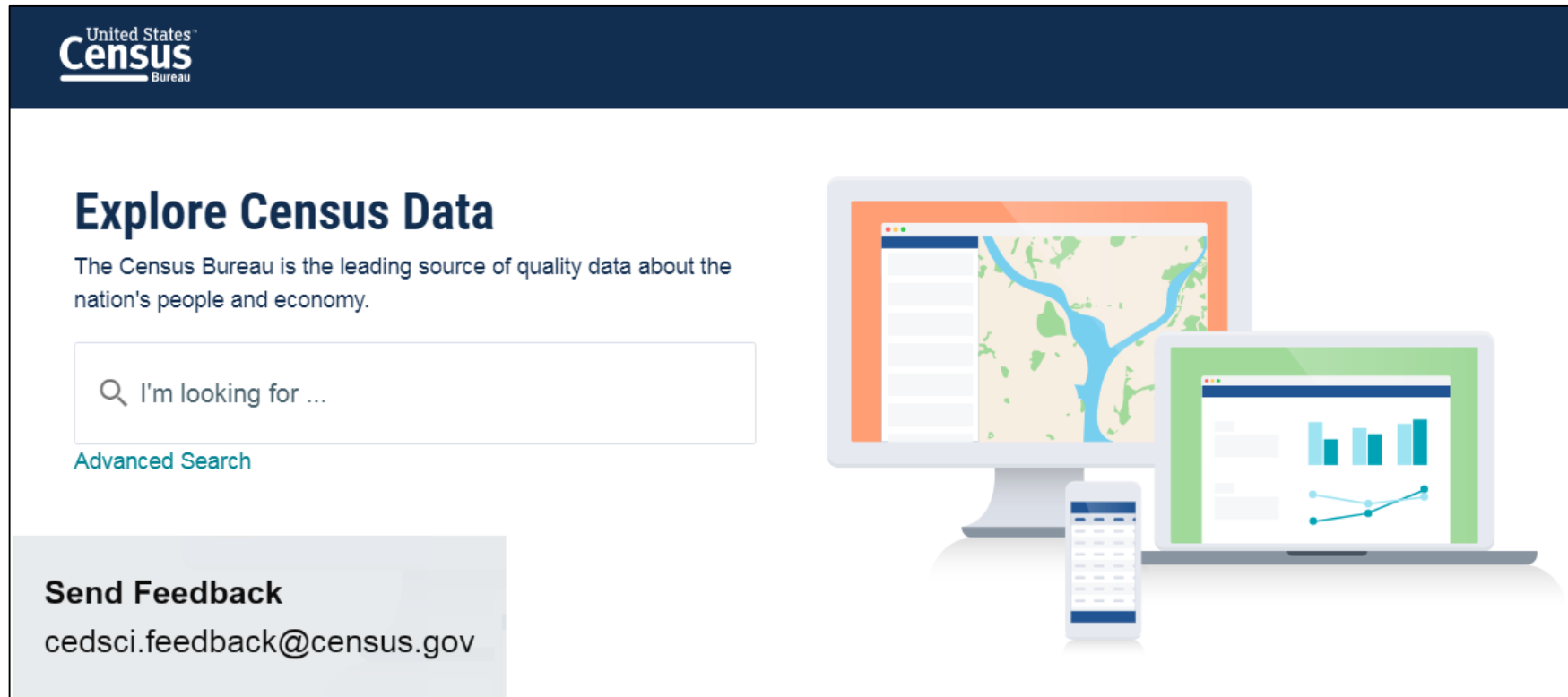
- All counties in Texas
- Anderson County, Texas
- Anderson County, Texas -- Rural
- Anderson County, Texas -- Urban
- Andrews County, Texas
- Andrews County, Texas -- Rural
- Andrews County, Texas -- Urban
- Angelina County, Texas

Pseudo Geo	ETE	PL	Demos
All Divisions (380) within United States (320)		X	
All States (340) within United States and Puerto Rico (020)		X	
All States (340) within United States, Puerto Rico, and the Island Areas (020)		X	
All Counties (350) within United States (310)		X	
All Counties (350) within United States and Puerto Rico (310)		X	
All Counties (350) within State (040)		X	
All Counties (350) fully/partially within Congressional District (500)		X	
All County Subdivisions (360) within State (040)		X	
All County Subdivisions (360) fully/partially within Congressional District (500)		X	
All Blocks (300) within County (250)		X	
All Blocks (300) within Place within State (100)		X	
All Census Tracts (140) within United States (020)		X	
All Census Tracts (140) within State (040)		X	
All Census Tracts (140) within County (050)		X	
All Census Tracts (140) fully/partially within Congressional District (500)		X	
All Block Groups (150) within State (040)		X	
All Block Groups (150) within County (050)		X	
All Block Groups (150) fully/partially within Congressional District (500)		X	
All Congressional Districts (116th Congress) (500) within United States (310)		X	
All Congressional Districts (116th Congress) (500) within State (040)		X	
All State Legislative Districts, Upper Chamber (620) within State (040)		X	
All County Subdivisions (or parts) (610) within State Legislative District (Upper) (610)		X	

arts) (614) within State Legislative District (Upper)		X	
Lower Chamber (620) within State (040)		X	
arts) (623) within State Legislative District (Lower)		X	
arts) (624) within State Legislative District (Lower)		X	
ary (350) within State (040)		X	
ry (360) within State (040)		X	
02) within State (040)		X	
within Metro/Micro Statistical Area (320)		X	
within Metro Division within Metro Statistical		X	
within CSA (330)		X	
within Combined NECTA (305)		X	
within NECTA (350)		X	
within NECTA Division within NECTA (305)		X	
NA/HSL (250)		X	
partially within Metro/Micro Statistical Area (310)		X	
partially within Metro Division within Metro		X	
All Census Tracts (140) within CSA (330)		X	
All Block Groups (150) fully/partially within Metro/Micro Statistical Area (310)		X	
All Block Groups (150) fully/partially within Metro Division within Metro Statistical Area (314)		X	
All Block Groups (150) within CSA (330)		X	
All Places (300) fully/partially within Metro/Micro Statistical Area (320)		X	
All Places (300) fully/partially within Metro Division within Metro Statistical Area (314)		X	
All Places (300) fully/partially within CSA (330)		X	

aska Native Areas/Hawaiian Home Lands (250)		X	
aska Native Areas/Hawaiian Home Lands (250) (80)		X	
Statistical Areas (330) within United States		X	
Statistical Areas (330) fully/partially within		X	
Statistical Areas (330) within CSA (330)		X	
(4) within United States (310)		X	
(330) within United States (320)		X	
(330) within United States and Puerto Rico (310)		X	
in Areas (350) within United States (310)		X	
10th Congress) (500) fully/partially within		X	
10th Congress) (500) fully/partially within (310)		X	
10th Congress) (500) fully/partially within Metro Statistical Area (314)		X	
10th Congress) (500) fully/partially within CSA (330)		X	

Development Depends on **YOUR** Feedback



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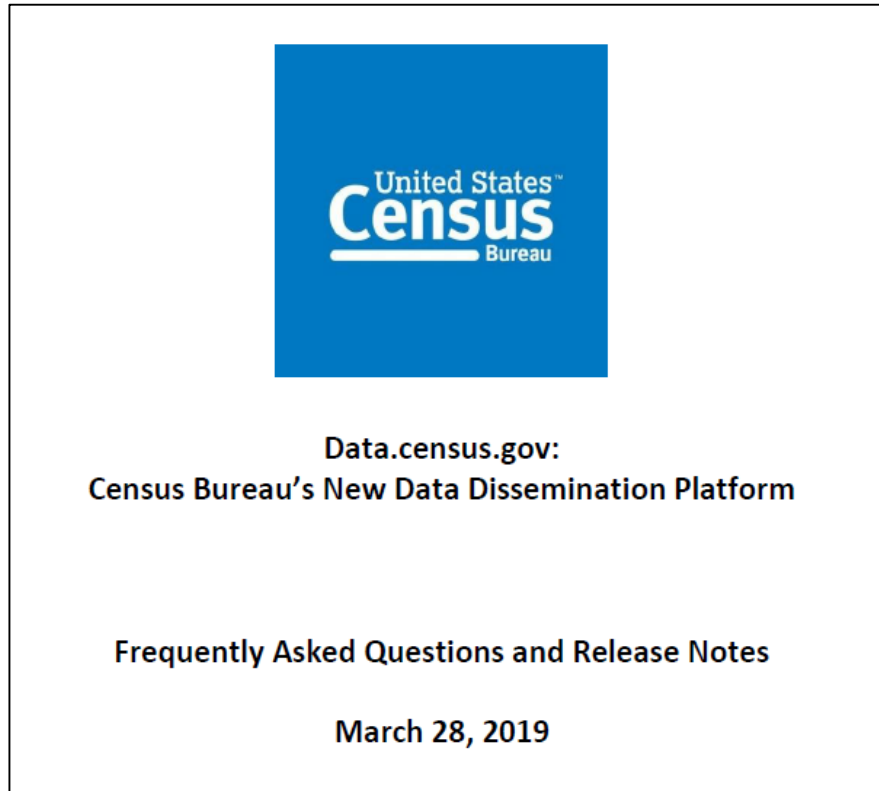
🔍 I'm looking for ...

[Advanced Search](#)

Send Feedback
cedsci.feedback@census.gov

Check out our preview platform at data.census.gov and provide comments at cedsci.feedback@census.gov.

Learn More – Release Notes and FAQs



Includes:

- Answers to common questions
- Chart of available data
- List of features and functionality
- Known Issues

data.census.gov/assets/faqs-release-notes.pdf

Upcoming Webinars



data.census.gov Update

June 2019

Using the Census API with the ACS

June 26 at 2pm

Census Academy Series

April-June 28, 2019

(conducted webinar 4/9)

census.gov/data/academy/webinars/upcoming.html

Resources: Need Assistance?

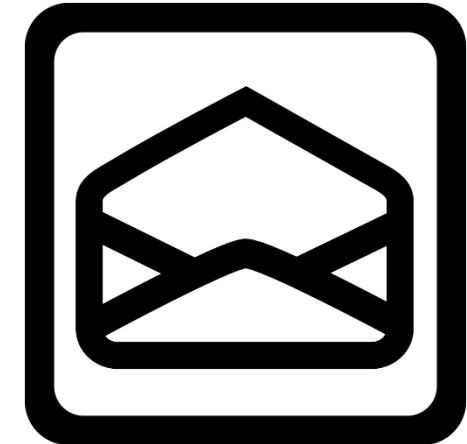
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Questions?



Thank
You