New Updates to data.census.gov

Tyson Weister Center for Enterprise Dissemination (CED) U.S. Census Bureau

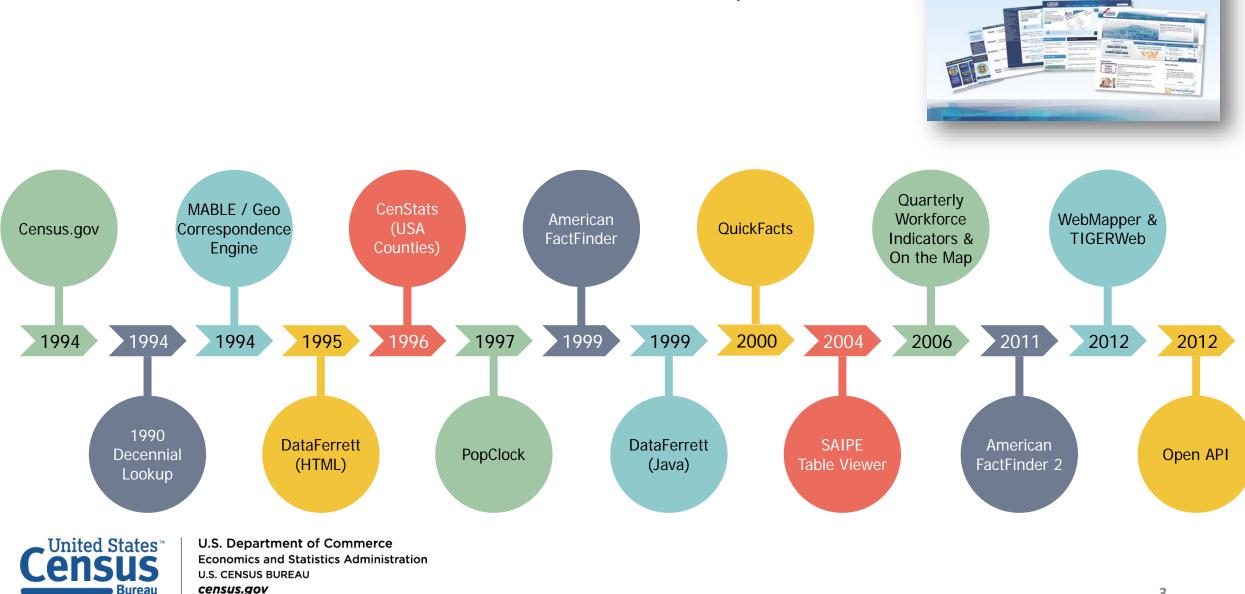
June 27, 2019



Outline

- Vision in Brief
- Current Snapshot
- Live Demo and Tips & Tricks
- Looking Ahead
- Q&A





Census Bureau Online History

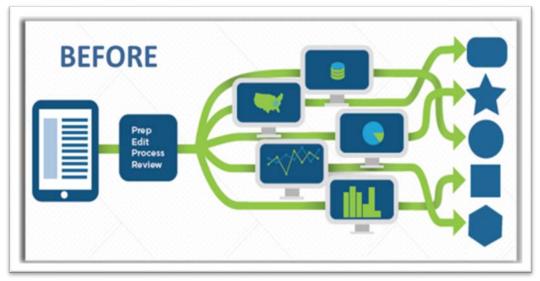
 $\frac{1}{4}$ Celebrating 20 Years on the Web

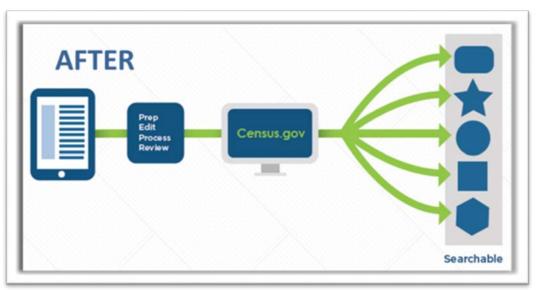
census.gov

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



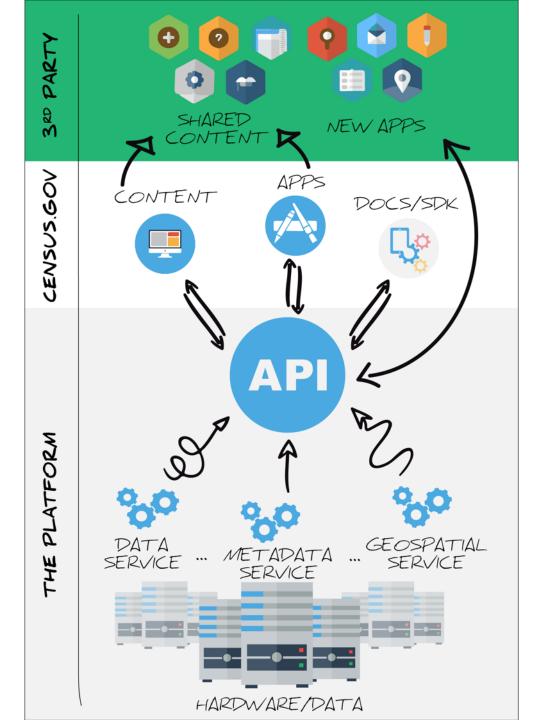




The New Dissemination Platform:

How It All Works





Current Snapshot



Data in the New Platform: American Community Survey

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

 \checkmark : 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)	\checkmark	-	-	-	-	-	-	-
Economic Census	-	-	\checkmark	-	-	-	-	
County Business Patterns	-	-	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
Non-Employer Statistics	_	-	\checkmark	\checkmark		\checkmark	\checkmark	
Survey of Business Owners (Company Summary & Characteristics of Business Owners)	-	-	\checkmark	-	-	-	-	-

 \checkmark : Available now

Blank cell: Coming soon



Upcoming Milestones

Summer 2019	Fall 2019	June 2020
 First data releases exclusively on new platform (Nonemployer, Public Sector) End of new data releases on American FactFinder (June) 	 Major data releases: 2018 ACS 1-Year (Sept) 2017 Economic Census (Sept) 2018 ACS 5-Year (Dec) 	 After all data migrated to data.census.gov, American FactFinder to be shut down.



Highlights from Latest Releases

- Refreshed look and feel
- Improved navigation and table display
- Two ways to select your geography in the advanced search
- More data:
 - Detailed population groups (ancestry, race, Hispanic Origin, place of birth)
 - Product/service codes
 - Commodity codes

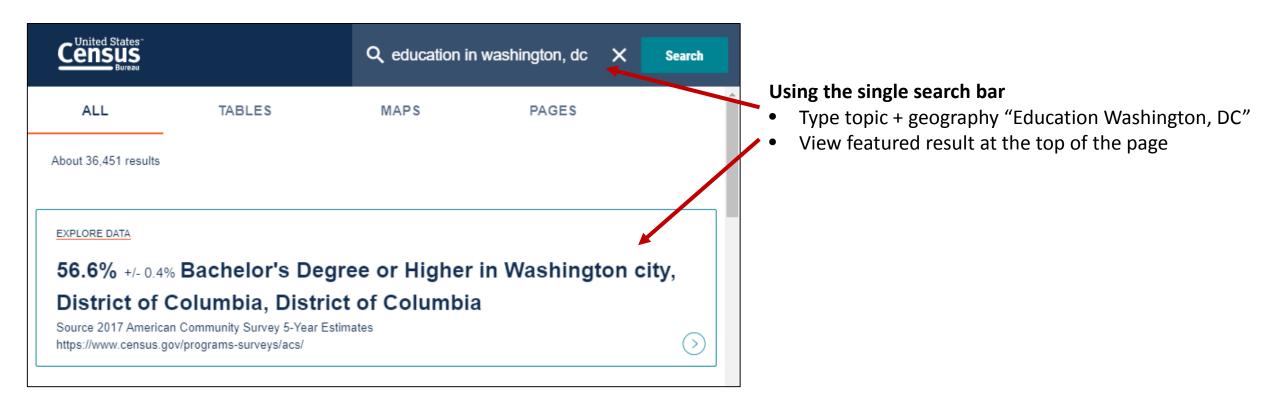
Learn more – 6/20 Webinar: <u>census.gov/data/academy/webinars/2019/census-website-updates.html</u>



Live Demo

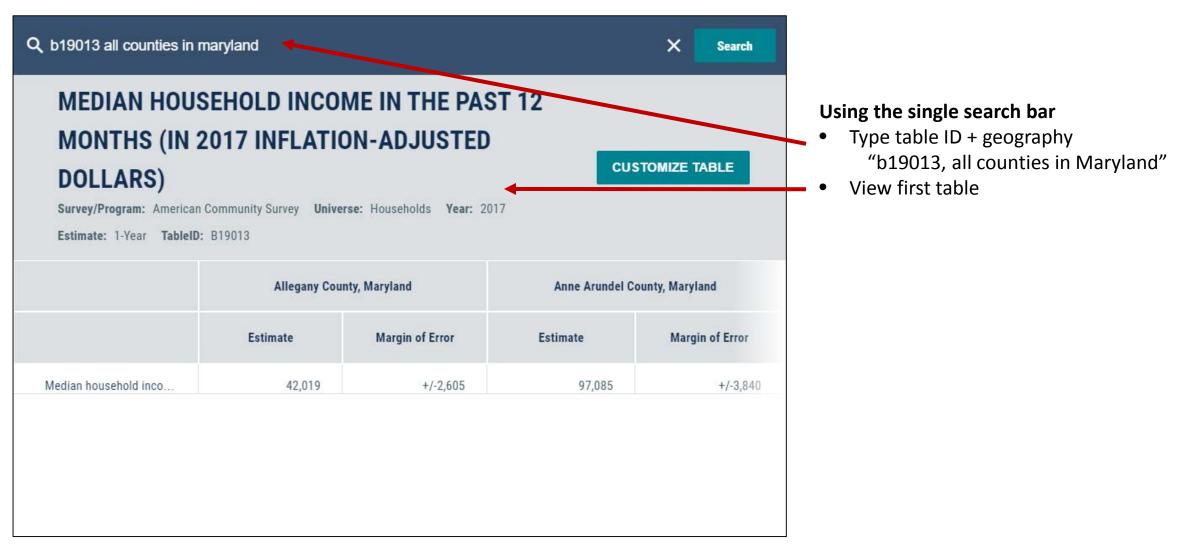


Single Search: Education in Washington, DC





Single Search: B19013 for all counties in Maryland





Search for Groups of Tables: All 5 data profiles

CP: Provides all 5 Comparison Profiles

Q cp		×	Search
ALL	TABLES	MAPS	PAGES
5 Resu	lts		Filter

COMPARATIVE SOCIAL CHARACTERISTICS IN THE UNITED STATES

Survey/Program: American Community Survey Years: 2017,2016,2015,2014,2013,2012,2011,2010 Table: CP02

COMPARATIVE ECONOMIC CHARACTERISTICS

Survey/Program: American Community Survey Years: 2017,2016,2015,2014,2013,2012,2011,2010 Table: CP03

B27: Provides all 32 Detailed Tables for Health Insurance

Q b2	7	×	Search
ALL	TABLES	MAPS	PAGES
32 Res	ults		Filter
HEALTH INSURANCE COVERAGE STATUS BY SEX BY AGE Survey/Program: American Community Survey Years: 2017,2016,2015,2014,2013,2012,2011,2010 Table: B27001			
BY AG	H INSURANCI E (WHITE ALO Program: Amer	NE)	

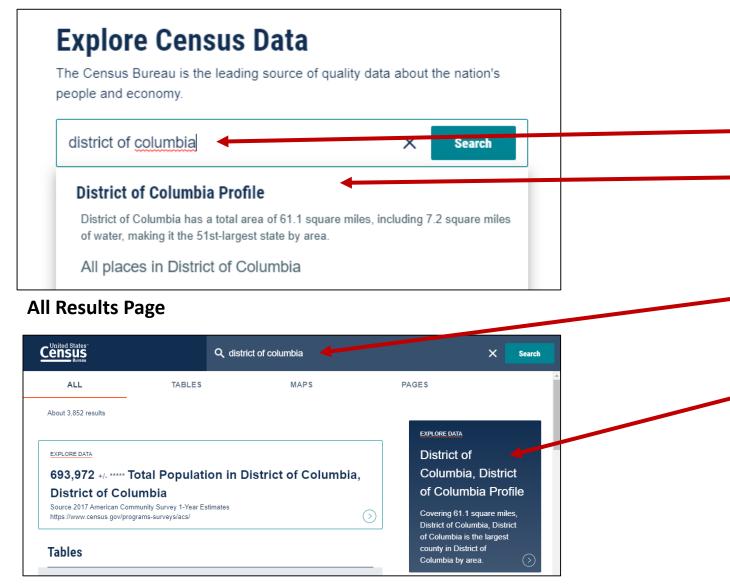
Survey/Program: American Community Survey Years: 2017,2016,2015,2014,2013,2012,2011,2010 Table: B27001A

B19001: Provides main table plus race iterations B19001A-I

Q b19	0001	×	Searc	h
ALL	TABLES	MAPS	PAGES	
13 Res	ults		Fi	ilter
MONT DOLLA Survey/	Program: Ameri 2017,2016,2015,3	IFLATION	ADJUSTED)
MONT DOLLA Survey/	HOLD INCOM HS (IN 2017 IN RS) (WHITE A Program: Ameri 2017,2016,2015,3	IFLATION- LONE HOU	ADJUSTED SEHOLDER) nity Survey	

Visualizations of popular Census Bureau data for Washington, D.C.

Single Search:



Two Ways to access the Geography Profile for Washington, DC

- 1. The single search bar
 - Type District of Columbia in the single search bar
 - Click "District of Columbia Profile"

2. The all results page

- Type District of Columbia in the single search or use the advanced search filters
- On the right hand side of the screen under "Explore Data", click District of Columbia Profile

Visualizations of popular Census Bureau data for Washington, D.C.

Geography Profile for District of Columbia

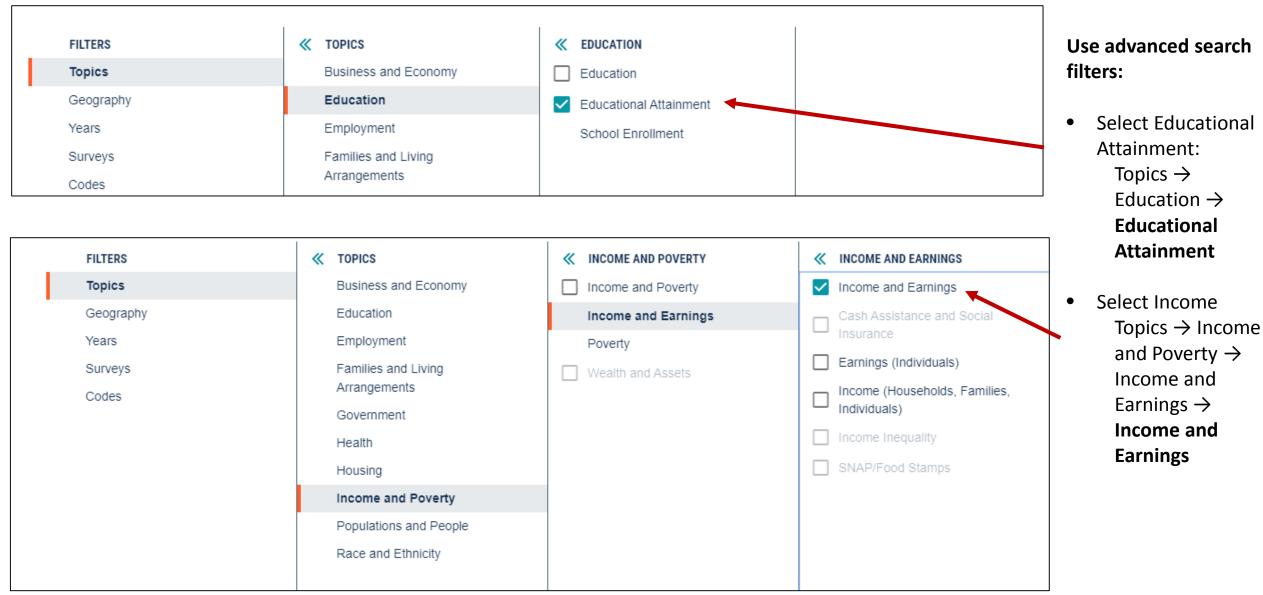
	Q District of Columbia		×	Search	
District of Columbia	District of Colum State in United States	District of Columbia has a	total area of 61.1 square		4
Race and Ethnicity		miles, including 7.2 square 51st-largest state by area. bordered by Maryland and	District of Columbia is	the	
amilies and Living Arrangements		3			
lealth					
ducation		\prec			
Business and Economy					
Employment				, 1.5	
lousing	ri (f)	0°	Ê		
ncome and Poverty	POPULATION MEDIAN HOUSEHOLD 693,972 \$82,372	INCOME POVERTY RATE	EMPLOYMENT RAT	E	

Example 2 - Advanced Search:

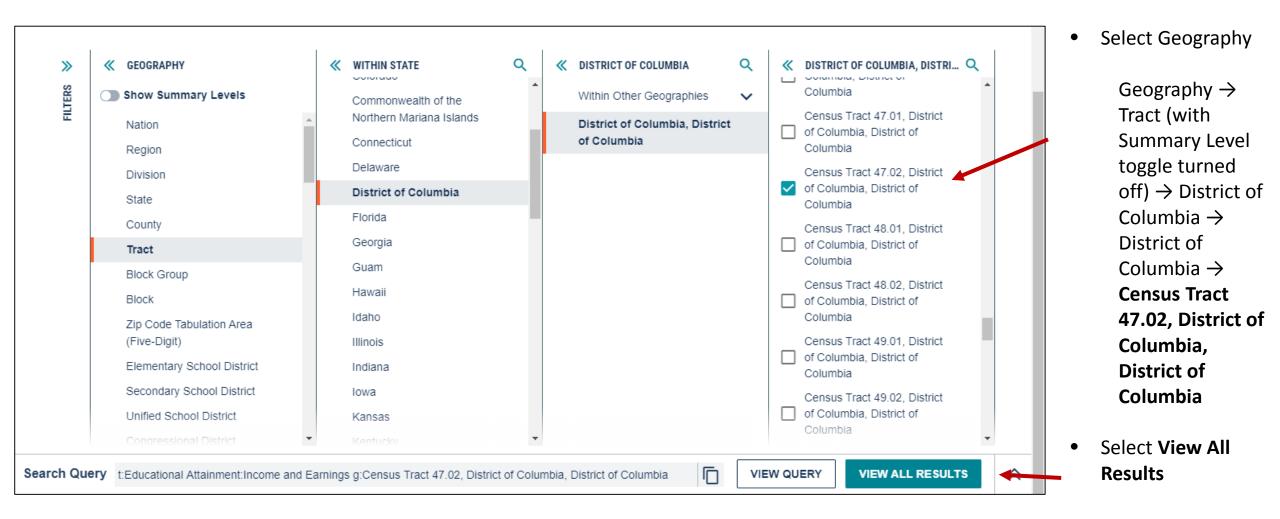
Income by Educational Attainment in Census Tract 47.02



Select Topics: Income by Educational Attainment



Select Geography: Census Tract 47.02, District of Columbia





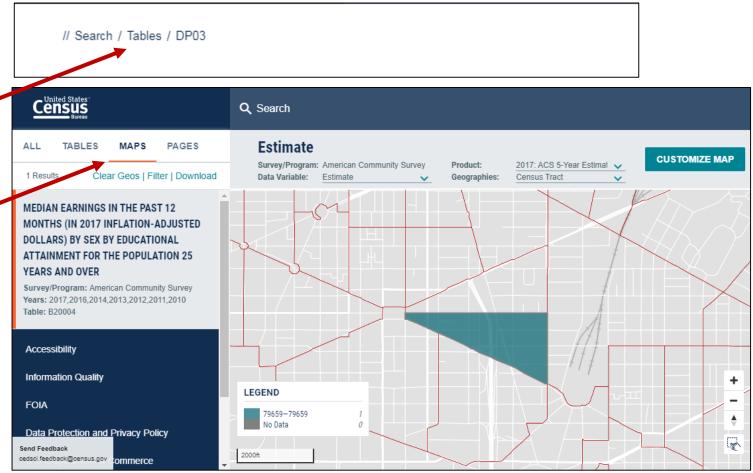
View Table

	Q Search			
ALL TABLES MAPS PAGES 1 Results Filter Download MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2017 INFLATION-ADJUSTED DOLLARS) BY SEX BY EDUCATIONAL ATTAINMENT FOR THE POPULATION 25 YEARS AND OVER	Filter Download INFLATION-ADJUSTED DOLLARS) BY SEX BY EDUCATIONAL NGS IN THE PAST 12 MONTHS INFLATION-ADJUSTED DOLLARS) BY SEX BY EDUCATIONAL TION-ADJUSTED DOLLARS) ATTAINMENT FOR THE POPULATION 25 YEARS AND OVER Survey/Program: American Community Survey Universe: Population 25 years and over with earnings Year: 2017 Estimate: 5-Year			
Survey/Program: American Community Survey Years: 2017,2016,2014,2013,2012,2011,2010 Table: B20004		Census Tract 47.02, District of	Columbia, District of Columbia	
Accessibility		Estimate	Margin of Error	
Information Quality	✓ Total: Less than high school graduate	79,659	+/-6,822	
FOIA	High school graduate (includes equivalency)	53,594	+/-2,609	
Data Protection and Privacy Policy	Some college or associate's degree	35,000	+/-25,986	
U.S. Department of Commerce	Bachelor's degree Graduate or professional degree	68,641	+/-5,934 +/-7,304	
Release Notes and FAQs		100,502	177,004	

Navigate to Map

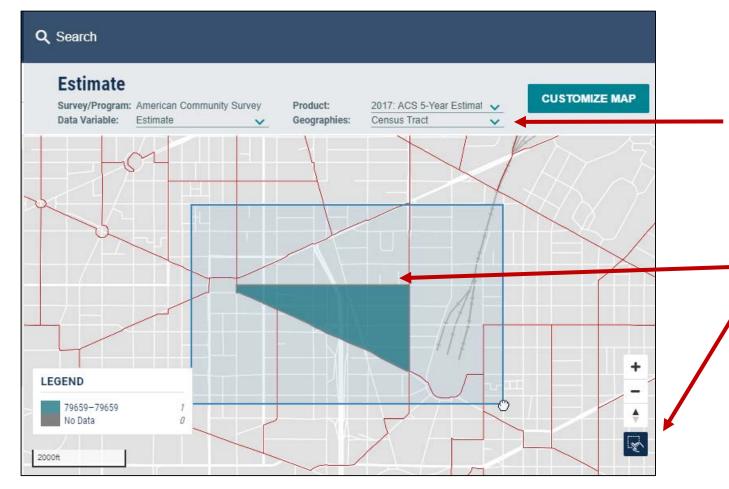
Navigate to the map tab

- If in the full table view, scroll to the top of the page and click Tables in the breadcrumbs in the upper left
- Click Maps from the table results page





Select More Geographies

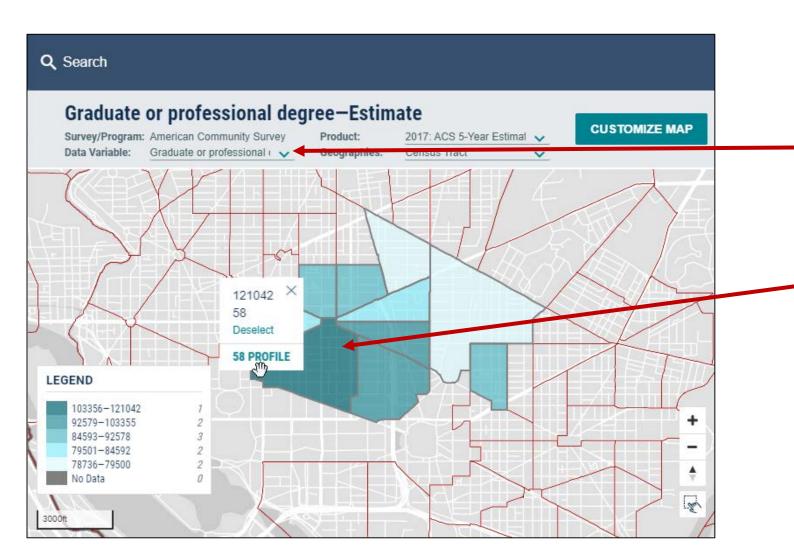


Select additional geographies

- Verify the map is set to the census tract level, and that it zoomed to your selected census tract in Washington, DC. You may need to manually zoom and scroll to the selected census tract
- Select additional geographies:
 - Activate the rectangle selection tool
 - Draw a rectangle around the census tract to select the adjacent tracts



View Map



- Select desired data variable: Graduate or Professional Degree - Estimate
- Click on the census tract(s) with the darkest shade of blue to see median earnings for people with a graduate or professional degree



Example 3 - Advanced Search:

Asian Population in Washington DC Metro Area

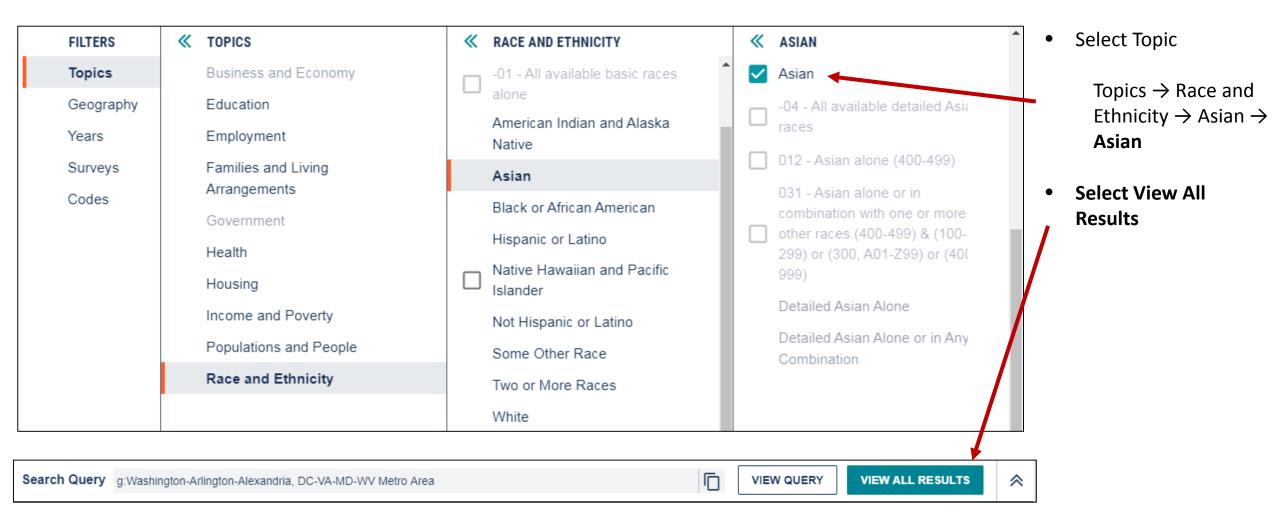


Select Geography: Washington DC Metro Area

FILTERS	≪ GEOGRAPHY		≪ washington	×	Select Geography
Topics	Show Summary Levels		Washington, IN Micro Area		Coography Netropolitan
Geography	County Subdivision	•	Washington Court House, OH Micro Area		Geography → Metropolitan Statistical Area/Micropolitan
Years Surveys Codes	Sub-Minor Civil Division Alaska Native Regional Corporation American Indian Area/Alaska Native Area/Hawaiian Home		 Washington, NC Micro Area Washington-Arlington- Alexandria, DC-VA-MD-WV Metro Area Washington, NC Micro Area 	-	Statistical Area → Washington- Arlington-Alexandria, DC-VA-ME WV Metro Area
	Land Metropolitan Statistical Area/Micropolitan Statistical Area		Washington-Arlington- Alexandria, DC-VA-MD-WV Metro Area		
	Combined Statistical Area New England City and Town Area		Washington Court House, OH Micro Area		
	Urban Area Metropolitan Division				



Select Topic: Asian





View Table

	Q Search			
ALL TABLES MAPS PAGES 105 Results Filter Download ASIAN ALONE OR IN COMBINATION WITH	ASIAN ALONE BY SELECTED GROUPS Survey/Program: American Community Survey Universe: Total Asian alone population Year: 2017 Estimate: 5-Year CUSTOMIZE TABLE TableID: B02015			
ONE OR MORE OTHER RACES Survey/Program: American Community Survey		Washington-Arlington-Alexan	dria, DC-VA-MD-WV Metro Area	
Years: 2017,2016,2015,2014,2013,2012,2011,2010 Table: B02011		Estimate	Margin of Error	
ASIAN ALONE BY SELECTED GROUPS	✓ Total:	605,691	+/-2,775	
Survey/Program: American Community Survey Years: 2017,2016,2015	Asian Indian	156,677	+/-3,700	
Table: B02015	Bangladeshi	10,267	+/-1,309	
	Bhutanese	126	+/-155	
ASIAN ALONE OR IN ANY COMBINATION BY SELECTED GROUPS	Burmese	4,034	+/-846	
Survey/Program: American Community Survey	Cambodian	7,068	+/-1,043	
Years: 2017,2016,2015 Table: B02018	Chinese, except Taiwanese	106,728	+/-3,221	
	Filipino	64,004	+/-2,963	

Supplemental Material: Accessing Detailed Pop Groups

Step 1 (Optional): Select Table Type
Surveys → ACS 1-Year Estimates Selected Population Profiles

Step 2: Select Detailed Population Group(s) using Topics:

- Populations and People (Ancestry & Country of Birth)
- **Race and Ethnicity** (Race, Tribal, & Hispanic Origin)





Supplemental Material: Ancestry Groups

FILTERS « TOPICS « POPULATIONS AND PEO... Topics Business and Economy Populations and People Education Geography Age and Sex Employment Years Ancestry Surveys Families and Living Arrangements Computer and Internet Use Government Industries Counts, Estimates, and Health Projections Housing Language Spoken at Home Income and Poverty Native and Foreign Born **Populations and People** Older Population Race and Ethnicity Population Change and

Topics \rightarrow Populations and People \rightarrow Ancestry



Supplemental Material: County of Birth Groups

Topics ightarrow Populations and People ightarrow Native and Foreign Born ightarrow Foreign Born

FILTERS	« TOPICS	« POPULATIONS AND PEO	« NATIVE AND FOREIGN BO
Topics	Business and Economy	Populations and People	Native and Foreign Born
Geography	Education	Age and Sex	Citizenship
Years	Employment	Ancestry	Foreign Born
Surveys	Families and Living Arrangements	Computer and Internet Use	Native Born
Industries	Government	Counts, Estimates, and	Place of Birth
	Health	Projections	
	Housing	Language Spoken at Home	
	Income and Poverty	Native and Foreign Born	
	Populations and People	Older Population	
	Race and Ethnicity	Population Change and Components	



Supplemental Material: Race & Hispanic Origin

Topics \rightarrow **Race and Ethnicity** \rightarrow Select a path into one of the high level race or Hispanic Origin groups

FILTERS	« TOPICS	« RACE AND ETHNICITY
Topics	Business and Economy	-00 - All available races
Geography	Education	-01 - All available basic races alone
Years	Employment	
Surveys	Families and Living Arrangements	American Indian and Alaska Native
Industries	Government	Asian
	Health	Black or African American
	Housing	Hispanic or Latino
	Income and Poverty	Native Hawaiian and
	Populations and People	Pacific Islander
	Race and Ethnicity	Not Hispanic or Latino
		Some Other Race
d Feedback		Two or More Races
sci.feedback@census.gov		White

Supplemental Material: Select Results without Checkboxes to Dig Deeper

You may need to make additional selections to get to the most detailed population groups. Click a result with a checkbox adds the filter to your selections. Clicking a result without checkboxes open a new panel that provides more detailed options

Example – To get data for the Navajo population: Topics \rightarrow Race and Ethnicity \rightarrow American Indian & Alaska Native \rightarrow American Indian \rightarrow Navajo \rightarrow Navajo Nation tribal grouping alone or in any combination

>>	» « RACE AND ETHNICITY	« AMERICAN INDIAN AND	« AMERICAN INDIAN	« NAVAJO
RS	S races alone	Alaska Native	Mono	Navajo
FILTERS	-02 - All available basic	006 - American Indian and	Nanticoke	
E	races alone or in combination	Alaska Native alone (300, A01-Z99)	Nanticoke Lenni-Lenape	-4R - All available Nav tribes
	-03 - All available basic	01A - American Indian and	Narragansett	10U - Navajo alone (F
	race combinations	Alaska Native alone	Navajo	└─ F70)
	American Indian and Alaska	(300,A01-R99)	Nez Perce	244 - Navajo Nation tr grouping alone (F62-F
	Native	50A - American Indian and Alaska Native alone	Nipmuc	
	Asian	(300,A01-R99) or in any	Nomlaki	245 - Navajo Nation tr grouping alone or in a
	Black or African American	combination	Northwest Tribes	combination (F62-F70
	Hispanic or Latino	Alaska Native	Omaha	(100-299) or (300, A0 ⁻ or (400-999)
	Native Hawaiian and	American Indian	Opeide Tribe	59U Navajo alono (E

Supplemental Material: Keep in mind – Population Thresholds

Thresholds for ACS 1-year Selected Population Profiles

- 500,000+ people in your geo of interest
- 65,000+ people in the specific pop subgroup

Process to access data for tables repeated by detailed population groups is the same for different ACS tables, including the ACS 5-year special release of:

- Selected Population Tables
- American Indian/Alaska Native Tables

Many pop groups will be grayed out in the advanced search of data.census.gov until these tables have been migrated



AMERICAN INDIAN	« PIMA
Pequot	Pima
Pima	-5A - All available Pim
Piscataway	tribes
Pit River	G91)
Pomo	12K - Gila River Indiar
Pueblo	Community of the Gila
Puget Sound Salish	River Indian Reservati alone (G84)
Quapaw	12L - Pima alone (G8
Quinault	
Rappahannock	12M - Salt River Pima Maricopa Indian
Reno-Sparks	Community alone (G8
Round Valley	252 - Pima tribal grou

Tips & Tricks



Single Search - Quick Wins for All Users



Explore Census Data

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

Q I'm looking for ...

Advanced Search

Use for quick wins to find things like:

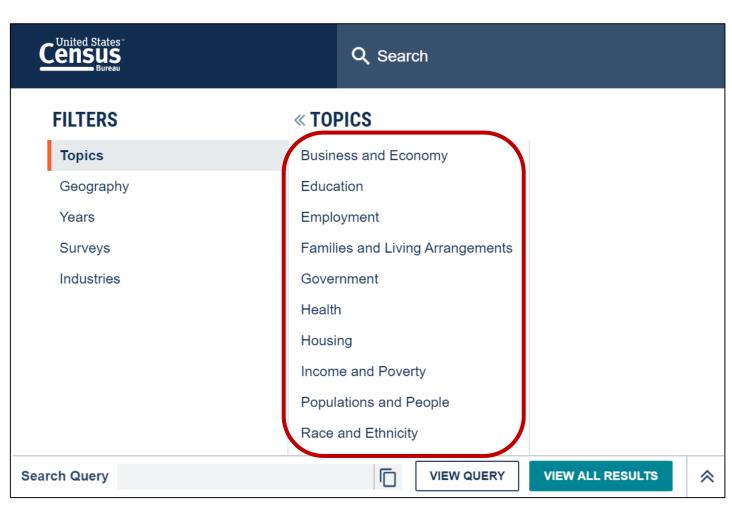
• Simple statistics

e.g. Percent bachelor's degree

- Profile for a single geography e.g. Washington, D.C. profile
- NAICS e.g. 531110
- Table ID e.g. B19013
- Groups of tables e.g. DP



Advanced Search – More Complex Searches



- Survey/Program or Table Type e.g. ACS 1-Year Detailed Tables
- Geographies with complex names e.g. Census Tract 47.02, Washington, D.C.
- Collections of geographies e.g. All counties in Maryland

• Cross tabulations

e.g. Income by educational attainment

• Detailed pop groups

Race, Tribal, Hispanic Origin, Ancestry, and country of birth groups

Explore the new layout of topics in the advanced search

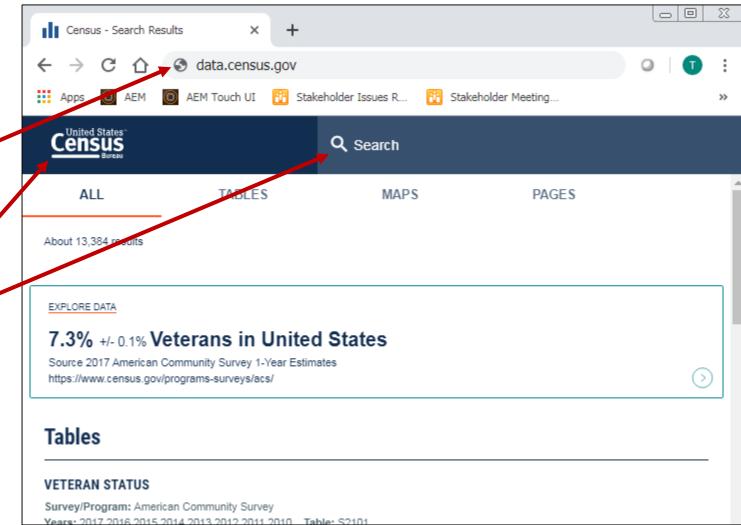


Clearing Your Search

Three ways to clear your search and start new:

- Type data.census.gov in the address bar
- Click on the Census Bureau logo in the upper left
- Type a new search in the single search bar

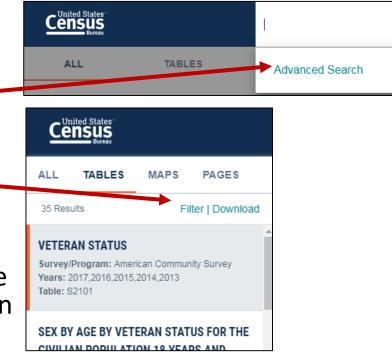




Editing Your Search

Filters:

- Advanced Search
- Filters link in the table/map results page
- Change Geo/Year/Industry in the full table view Expand the down chevron in Customize Table







Looking Ahead



Performance Improvements

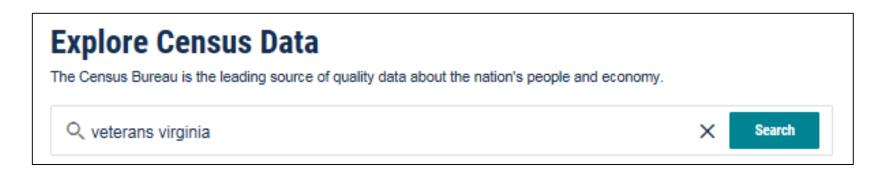
- Acquiring additional hardware
- Re-engineering code base
- Improve caching methodology





Search Relevancy Improvements

- Rebuilding Entity Recognition
- Partnering with data providers for featured and curated results
- Working on a proof of concept to handle searching of unstructured content (e.g., webpages, PDF) from census.gov



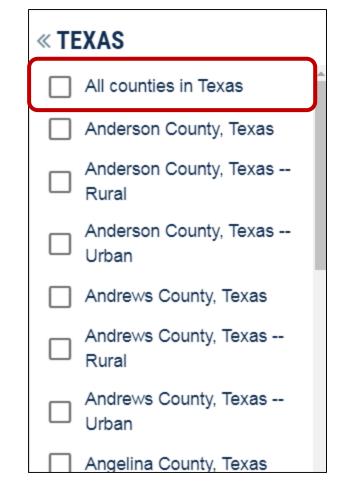


Customer Driven Requests:

- Ability to cut and paste from table into an Excel
- Download and print an image of the table
- Freeze the first column when scrolling to the right
- Ability to toggle quickly between years



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



Pseudo Geo	n	E PL	Demo								
All Divisions (0.90) within United States (0.90)		х									
All States (O4D) within United States and Paerto Rico (02D)		х	+								
All States (OID) within United States, Faerto Rico, and the Island Areas (D2	9	х	+								
All Counties (050) within United States (010)	+	х	+								
All Counties (050) within United States and Faerto Rico (010)	+	х	+								
All Counties (050) within State (040)	+	х	+					7			
All Counties (050) fully/partially within Congressional District (500)	+	×	+	rts) (614) within State Legislative District (Upper)	0	×					
All County Subdivisions (060) within State (040)	+	х	+	Lower Chamber (620) within State (040)	+	×	<u> </u>				
All County Subdivisions (060) within County (050)	+	×	+	arts) (623) within State Legislative District (Lower	_	×	<u> </u>				
All County Subdivisions (D60) fully/partially within Congressional District. (5000	×	+	and) (bas) within state beginative britric [base	17	î.					
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All Blocks (200) within Census Tract (240)	+	x	+								
All Blocks (200) within Place within State (200)		X	+	ery (250) within State (040)		х]			
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All Centus Tracts (140) within State (040)	-	×	+	970) within State (D40)	+	×					
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			<u> </u>	within Wetro Division within Wetro Statistical	+	×	<u> </u>	anka Native Arean/Harvailan Horse Lands (250)		×	-
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All Block Groups (150) within State (D40)		×		within ISA (IBD)		×		aska Native Areas/Hawailan Horne Lands (250)	\rightarrow	х	ł
All Block Groups (150) within County (050)		×		within Combined NECTA (325)		×		ac)	- 1		l
All Block Groups (193) fully/partially within Congressional District (500)		×		within NECTA (350)		×		Statistical Areas (330) within United States	\neg	х	ſ
All Congressional Districts (118th Congress) (500) within United States (010)		×		within NECTA Division within NECTA (255)		×			$ \rightarrow $		L
All Congressional Districts (118th Congress) (\$500) within State (\$40)		×		NA/HHL (250)		×		Statistical Areas (330) fully/partially within	- 1	×	l
All State Legislative Districts, Upper Chamber (\$20) within State (\$40)		×		partially within Metro/Micro Statistical Area (310	ш)	х		citize Statistical Areas (330) within CSA (330)	\rightarrow	х	┝
All County Subdivisions (or parts) (613) within State Legislative District (Up	per) X partially within Metro Division within Metro		+	×	c .	14) within United States (010)		х	┝		
[010]								s (390) within United States (000)		х	⊦
				in CSA (IBD)		×		s (330) within United States and Puerto Rico (010)		x	┡
		-		/partially within Metro/Micro Statistical Area (310	DØ	×		en Areas (15D) within United States (D1D)		×	L
	All Block (Statistical			/partially within Metro Disision within Netro		×					L
				in CSA (330)	+	×	<u> </u>	16th Congress) (500) fully/partially within		×	l
		-		in CSA (allo) Ily with in Metro/Micro Statistical Area (330)	+	×	<u> </u>	16th Congress) (500) fully/partially within	+	х	ł
								(320)			l
		All Places (200) fully/partially within Metro Division within Metro Statistical Area (314)				×		16th Congress) (500) fully/partially within Metro	\neg	х	ſ
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		330			16th Congress) (500) fully/partially within CSA.		×	l			
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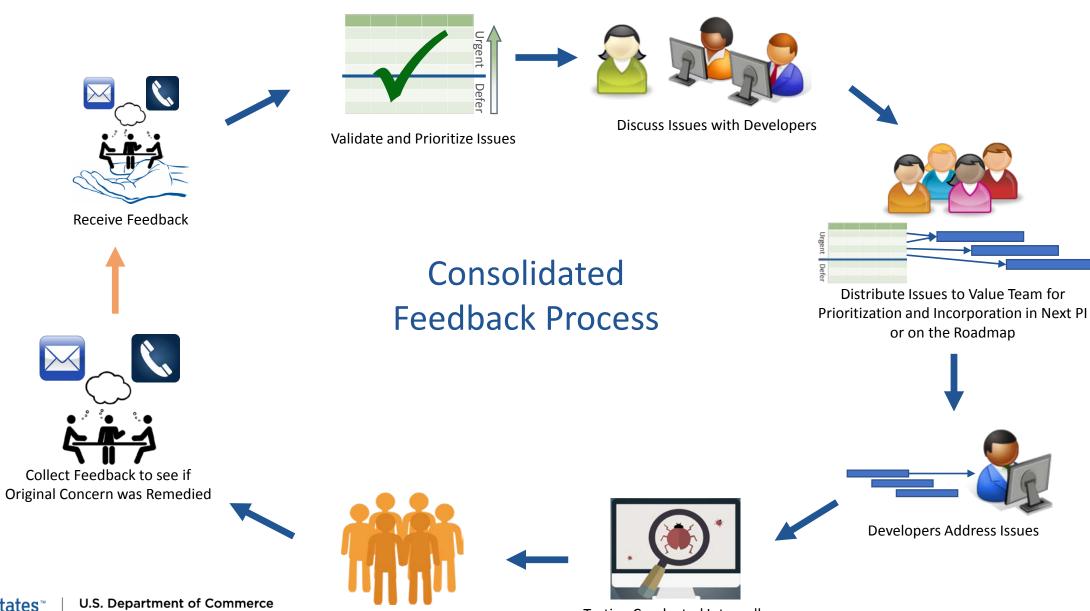


Our Development Depends on YOUR Feedback

Explore Census Data The Census Bureau is the leading source of quality data about the	
A l'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.





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

Release to the Public

Testing Conducted Internally

Feedback

Email your comments to <u>cedsci.feedback@census.gov</u>

Learn More and Share

Recorded Webinar: <u>census.gov/data/academy/webi</u> <u>nars/2019/census-website-</u> <u>updates.html</u>

Release Notes & FAQs: <u>data.census.gov/assets/faqs-</u> release-notes.pdf

Stay in Touch

tyson.weister@census.gov 301-763-9135

kanin.l.reese@census.gov 301-763-3493

tammy.s.anderson@census. gov 301-763-5247

belva.a.kirk@census.gov 301-763-4502



Live in the DC area and want to be part of our usability tests?

The Human Factors Research Group at the U.S. Census Bureau conducts usability tests of data.census.gov after each release. If you are an expert data user, come help us make or user friendly!

<u>Where</u>: U.S. Census Bureau Headquarters, Suitland, MD

Length of usability session: 1 hour

Compensation: \$40*

*Federal employees are not eligible to receive compensation

Contact: Kevin Younes

301-763-4979

csm.participate@census.gov

Re: data.census.gov

