American Community Survey Data on data.census.gov

ACS Data Users Conference

May 18, 2021

Tyson Weister
Center for Enterprise Dissemination
Dissemination Outreach Branch
U.S. Census Bureau

United States® Census Bureau

Outline

- Demo of data.census.gov
- Educational Materials and Tips
- Q&A

United States® Census Bureau

data.census.gov Demo

1. **Getting Started with ACS Data**
   Example: Geography Profile and Data Profiles for Hennepin County, Minnesota

2. Comparing Across Geographies in a Map (Searching by Topic, Mapping, Download)
   Example: Unemployment rate for all census tracts in Thurston County, Washington

3. Comparing Across Geographies in a Table (Searching by Topic, Export)
   Example: Ratio of Income to Poverty for Phoenix and Maricopa County

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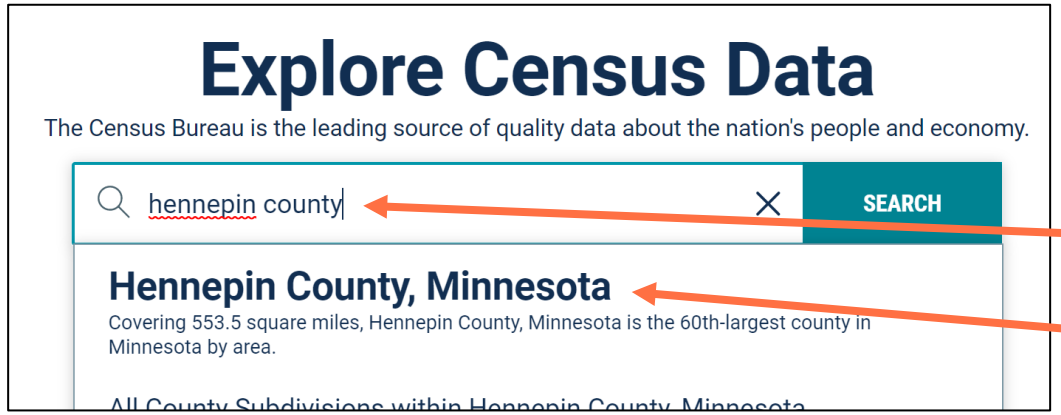
Geography Profile for Hennepin County

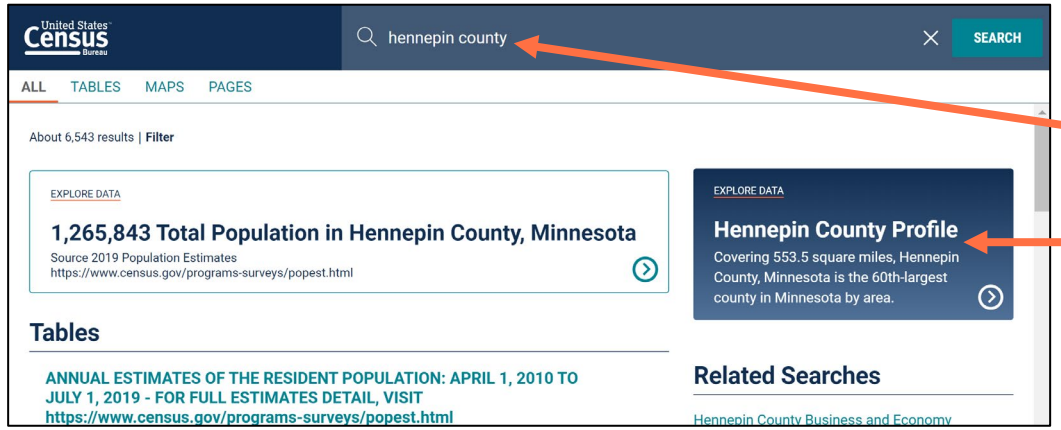
Single Search:



Two Ways to Access the Geography Profile for Hennepin County

1. **The Single Search Bar**
   - Type Hennepin County in the single search bar
   - Click "Hennepin County Profile"

All Results Page:

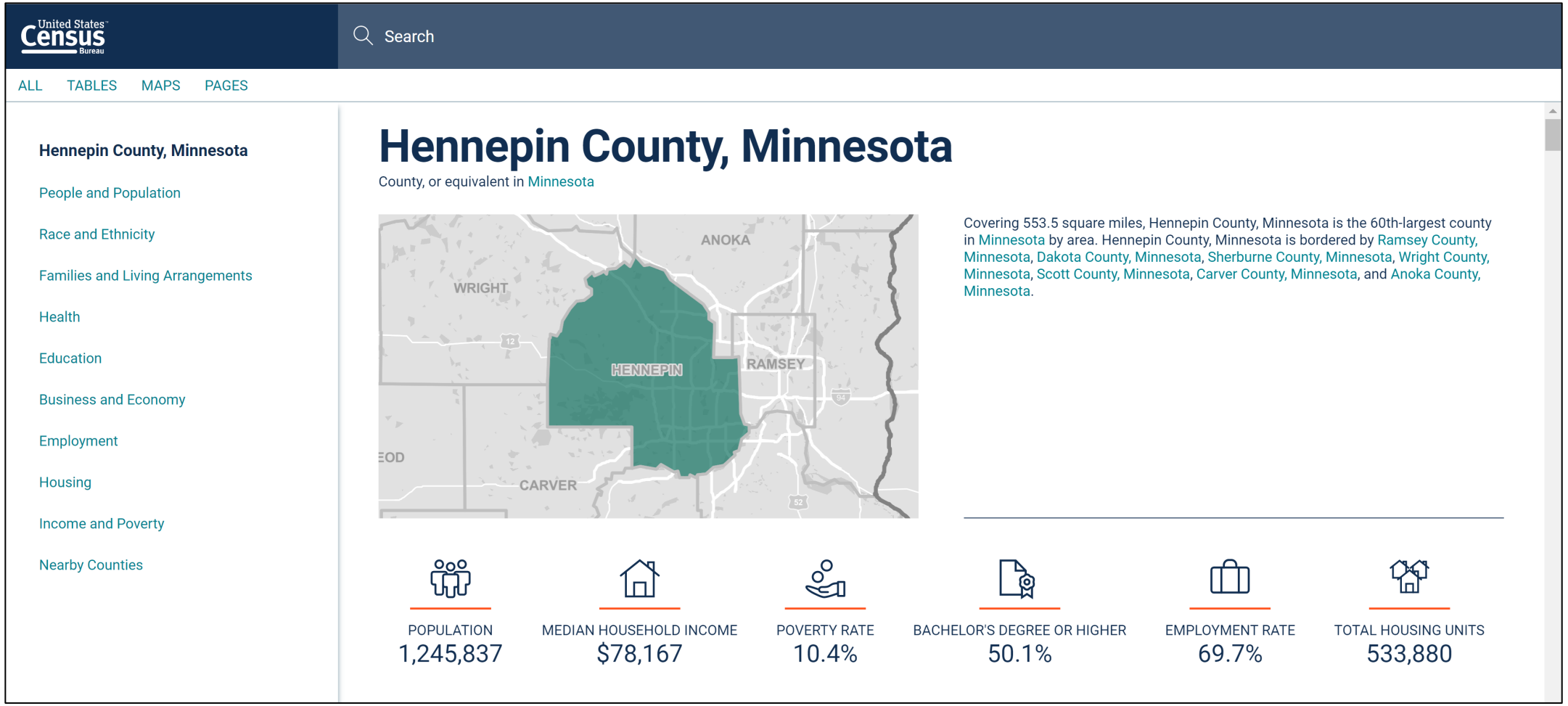


2. **The All Results Page**
   - Type Hennepin County in the single search or use the advanced search filters
   - On the right hand side of the screen under "Explore Data", click "Hennepin County Profile"

United States® Census Bureau

Geography Profile for Hennepin County

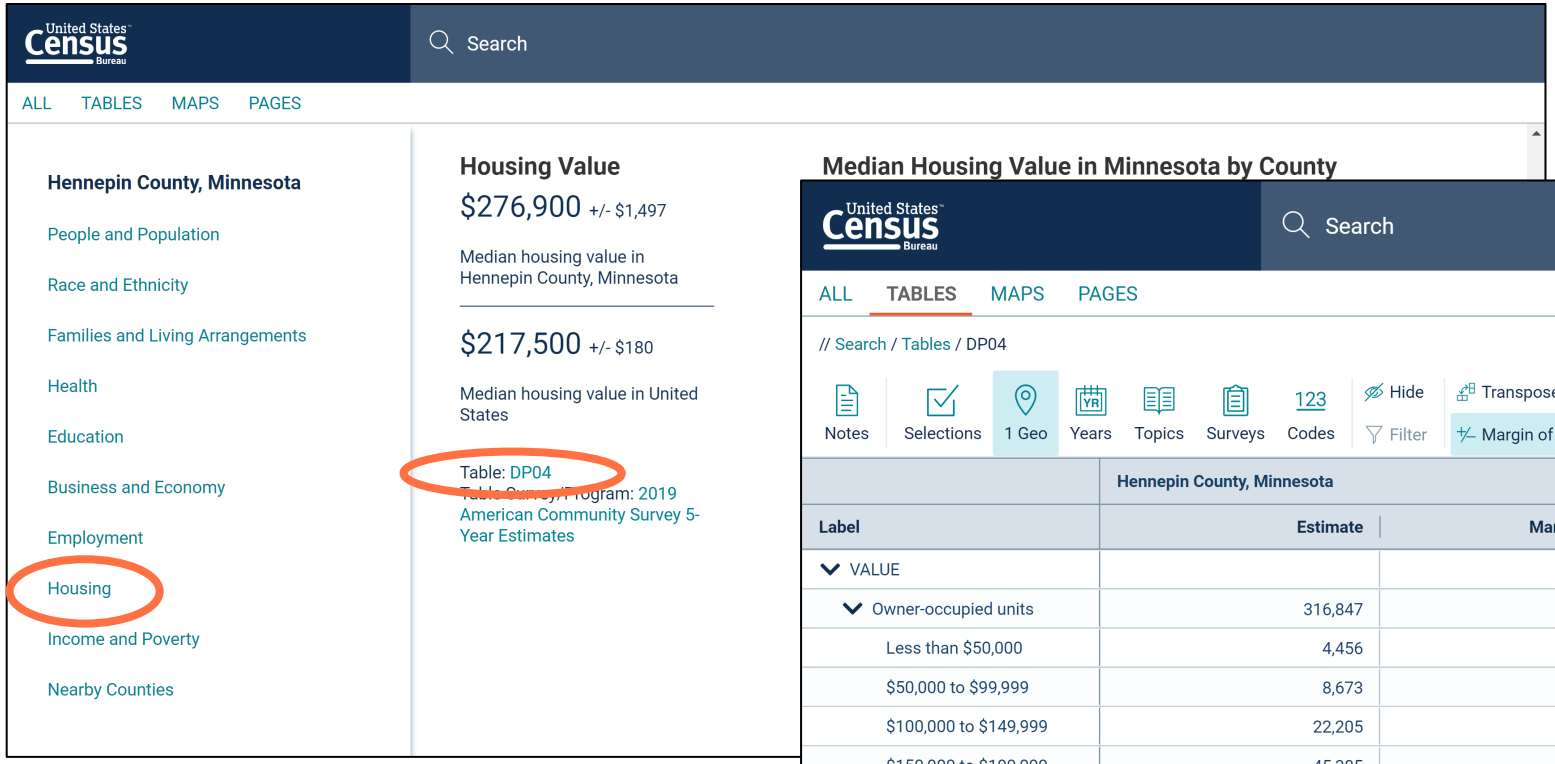
Geography Profile for Harris County

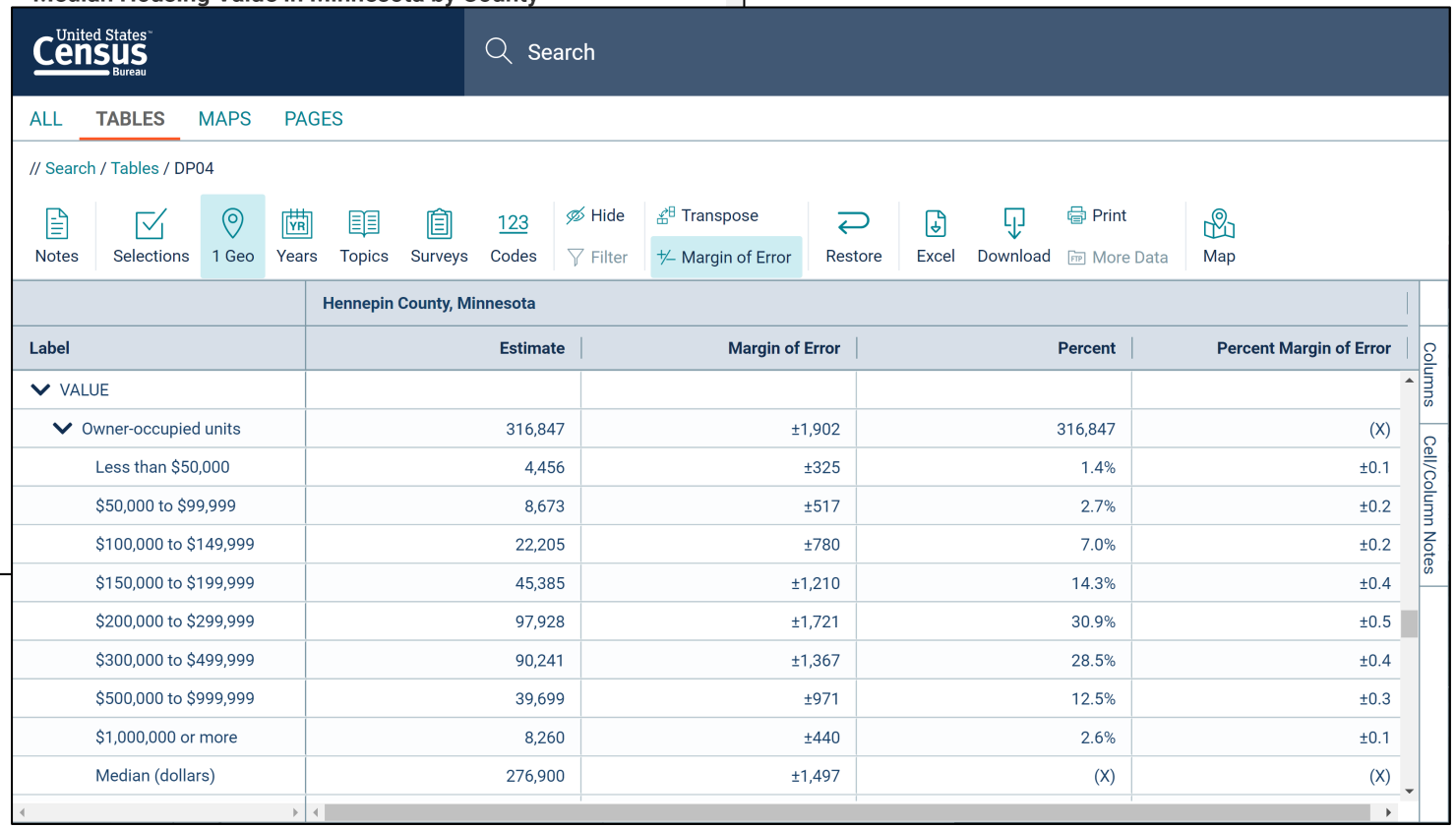


United States® Census Bureau

Geography Profile for Hennepin County

Click a table title for more information on the topic

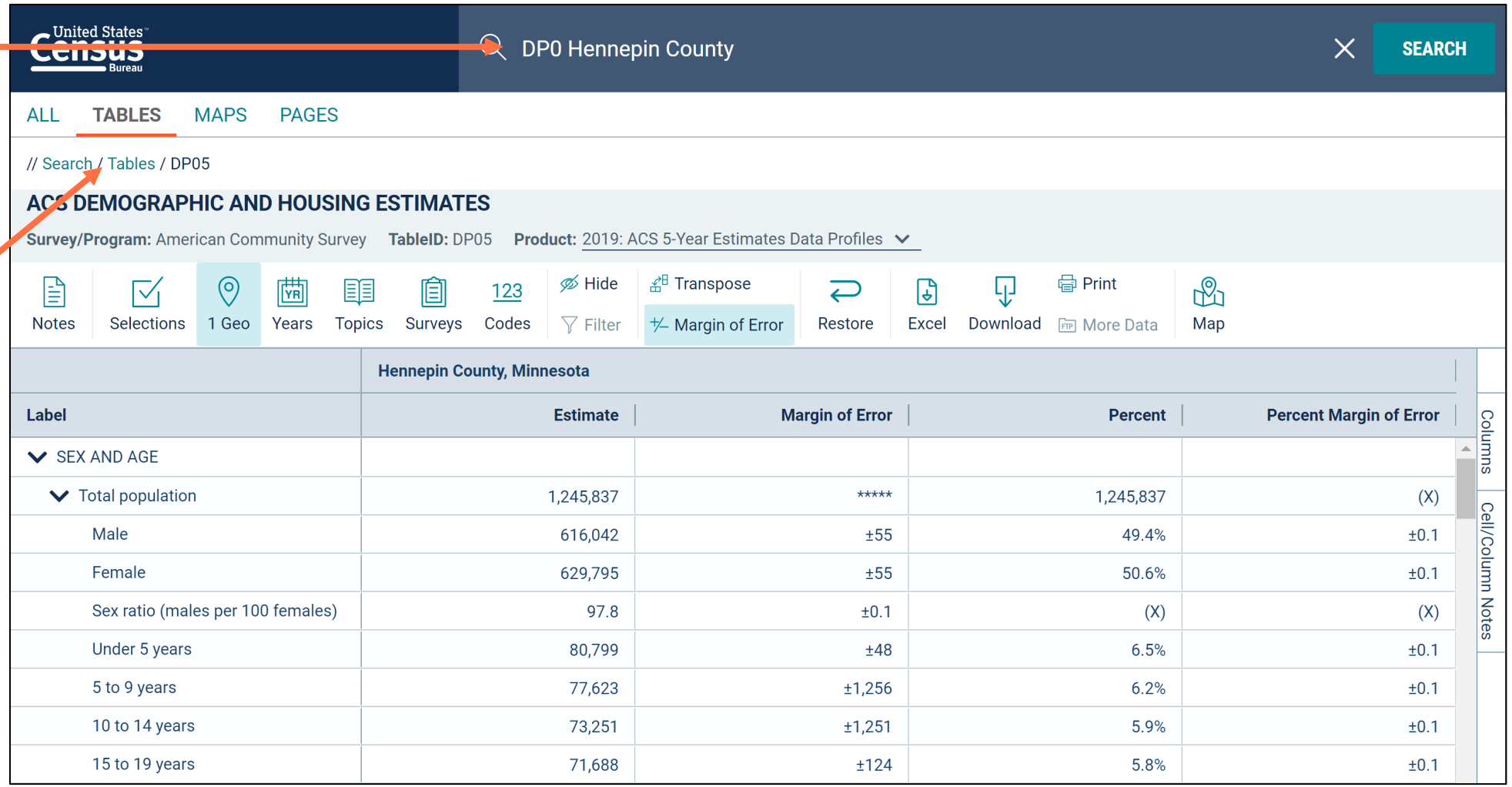




United States® Census Bureau

Navigate to Table and Click Filter to Add Your Geographies

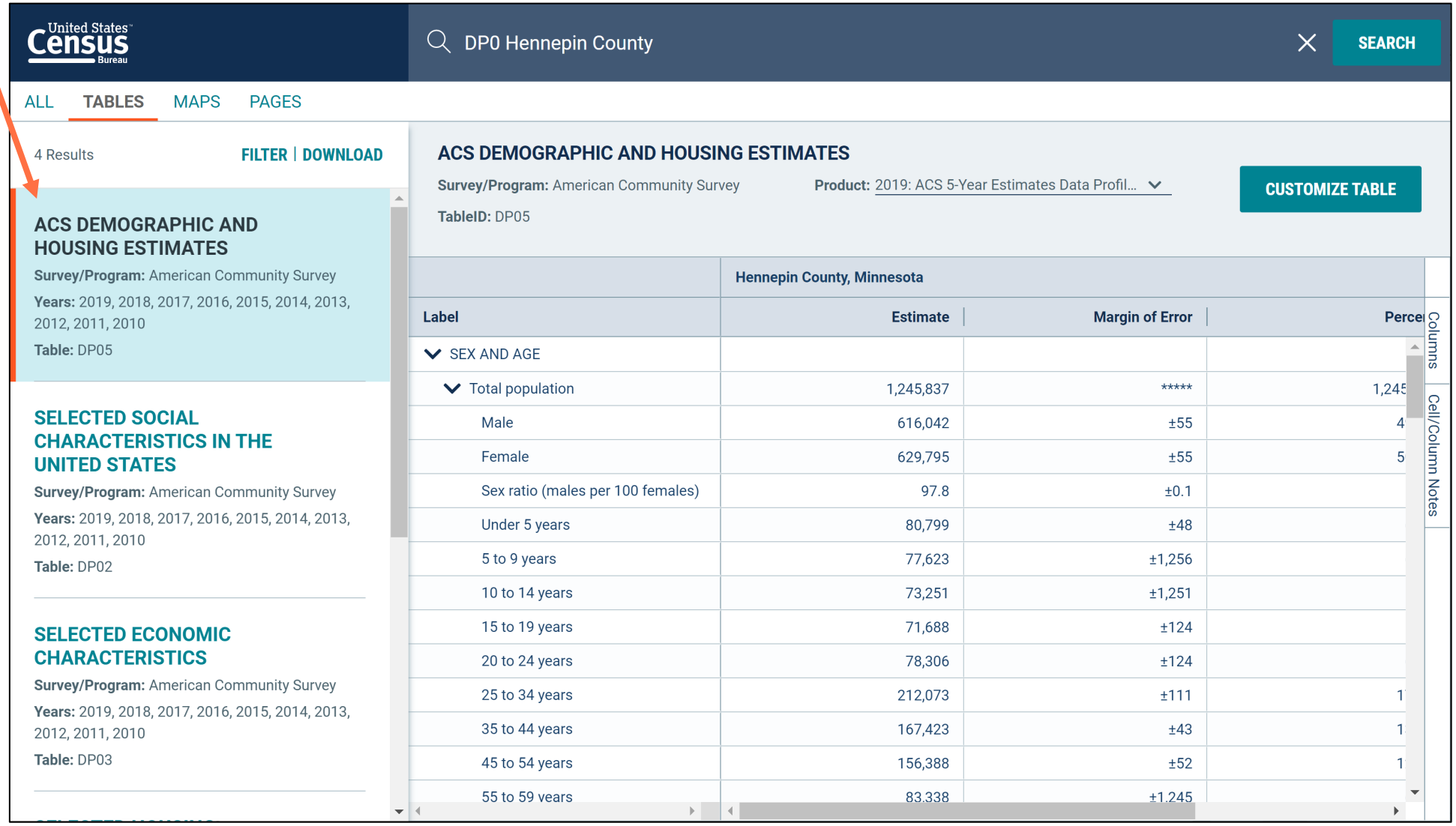
- Type **DP0 Hennepin County** in the single search bar and press enter
- Click **Tables** in the upper left beside the table ID DP05



United States® Census Bureau

View Data Profiles

- View the four ACS Data Profiles for your geography. They provide a collection of the most popular statistics across all topics from the ACS in the form of estimates and percentages.



data.census.gov Demo

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   Example: Unemployment rate for all census tracts in Thurston County, Washington

3. Comparing Across Geographies in a Table (Searching by Topic, Export)
   Example: Ratio of Income to Poverty for Phoenix and Maricopa County

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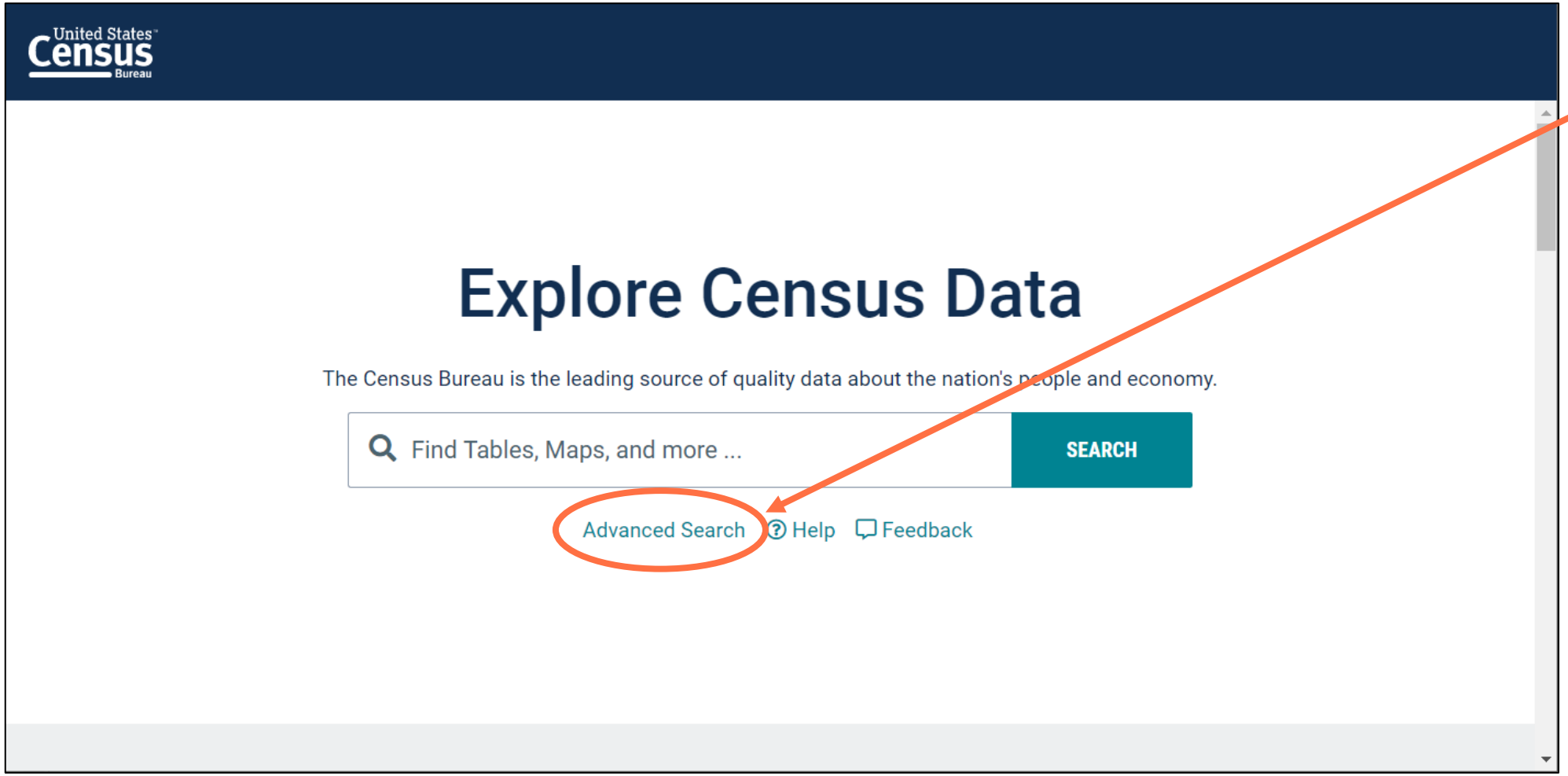
Select Advanced Search



- Select **Advanced Search** from the landing page of data.census.gov

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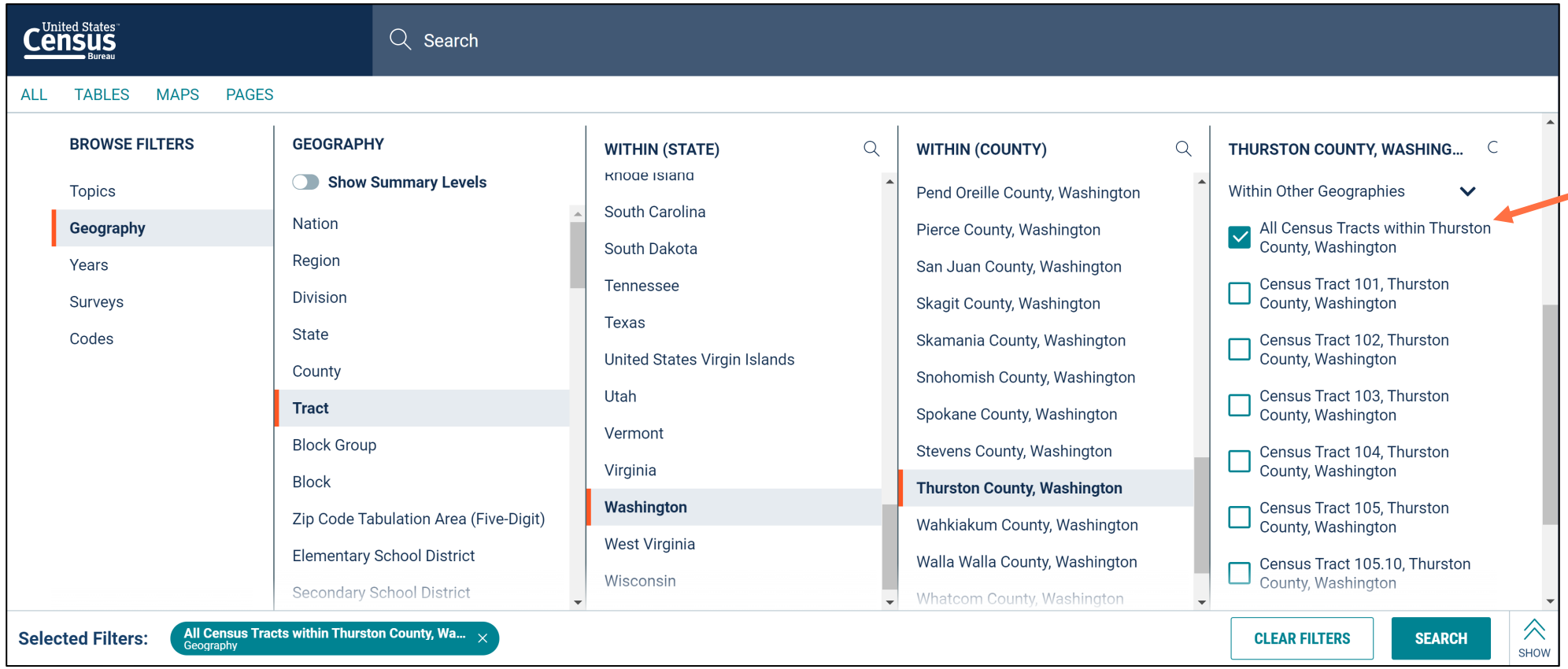
Select Geography: All Census Tracts in Thurston County



- Select Geography

Geography → Tract → Washington → Thurston County, Washington → **All Census Tracts within Thurston County, Washington**

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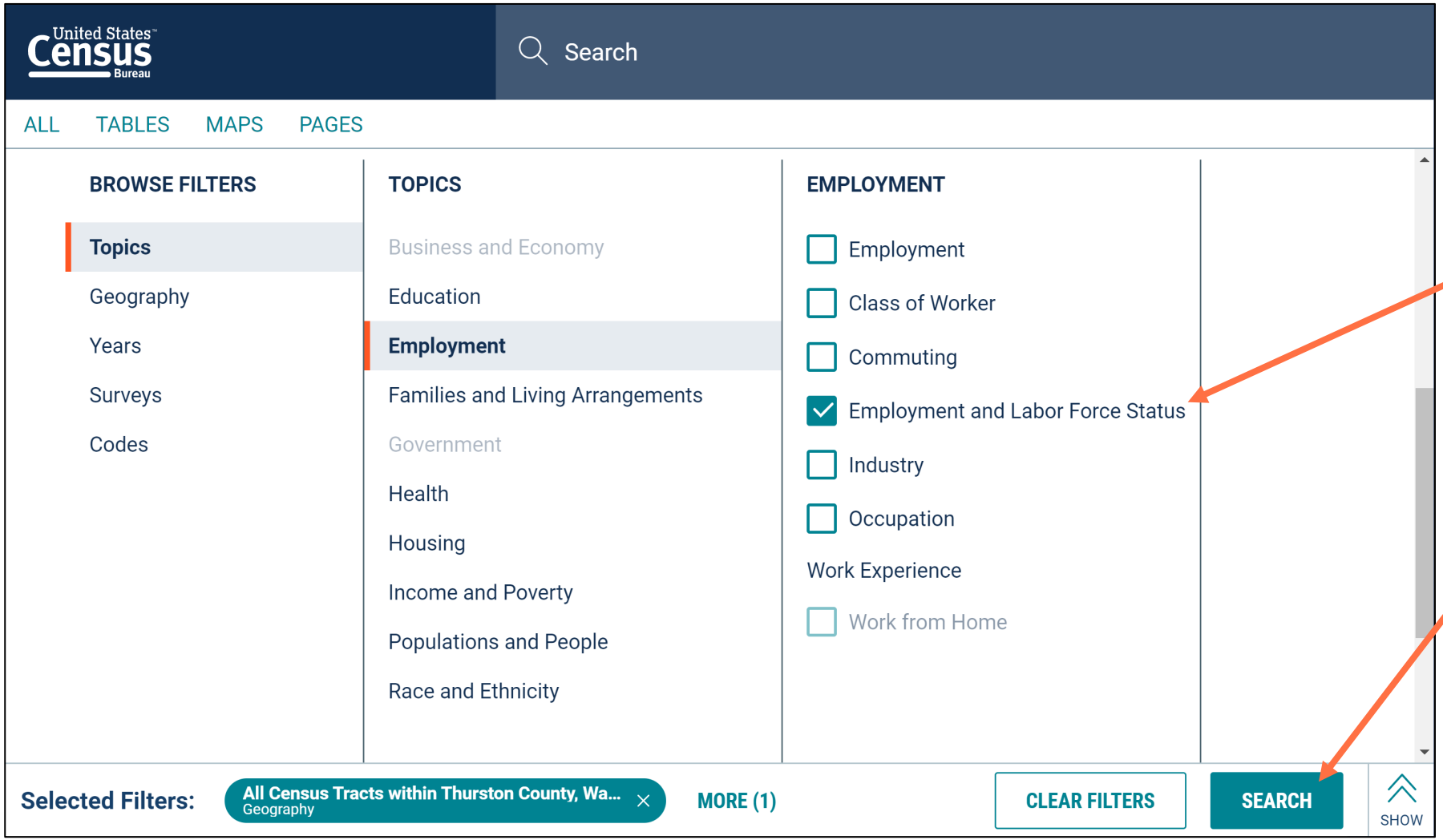
Select Topic: Employment and Labor Force Status



- Select Topic

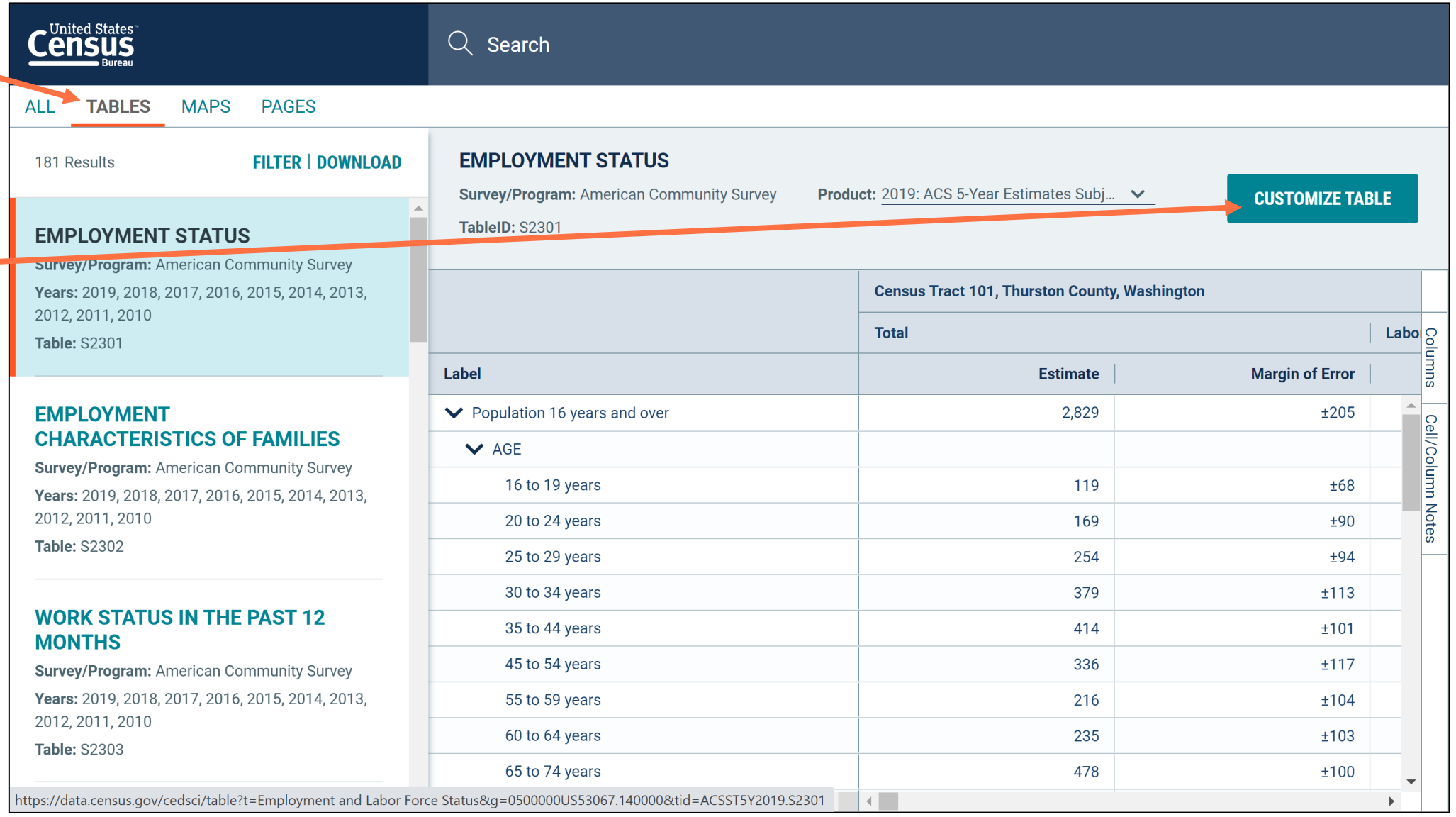
  Topics → Employment → **Employment and Labor Force Status**

- Verify filters and click **Search** in the lower right

United States® Census Bureau

View Table Results

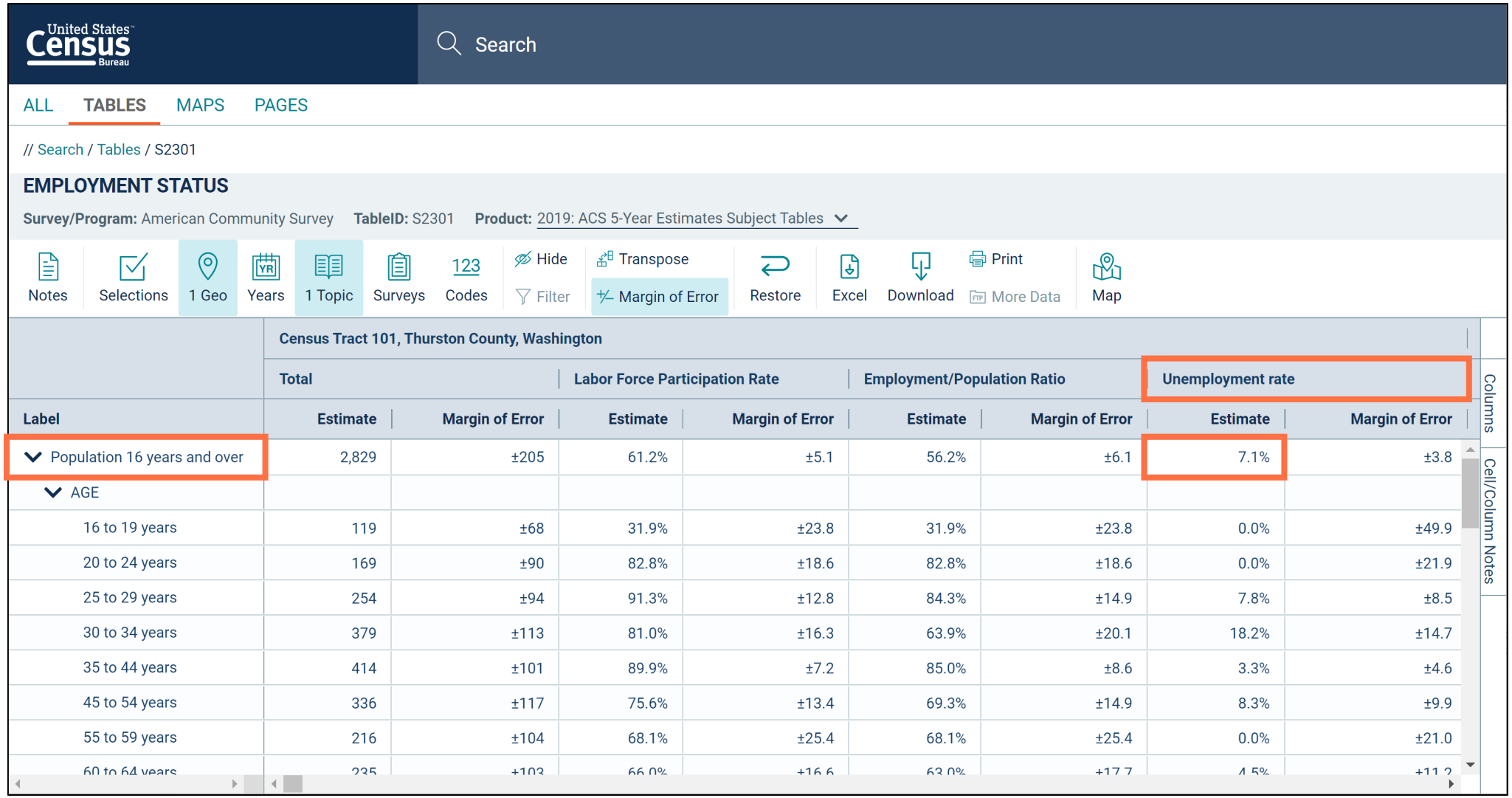
- Click **Tables** in the upper left
- Click **Customize Table** in the upper right to see the table across your full screen



United States Census Bureau

View Table

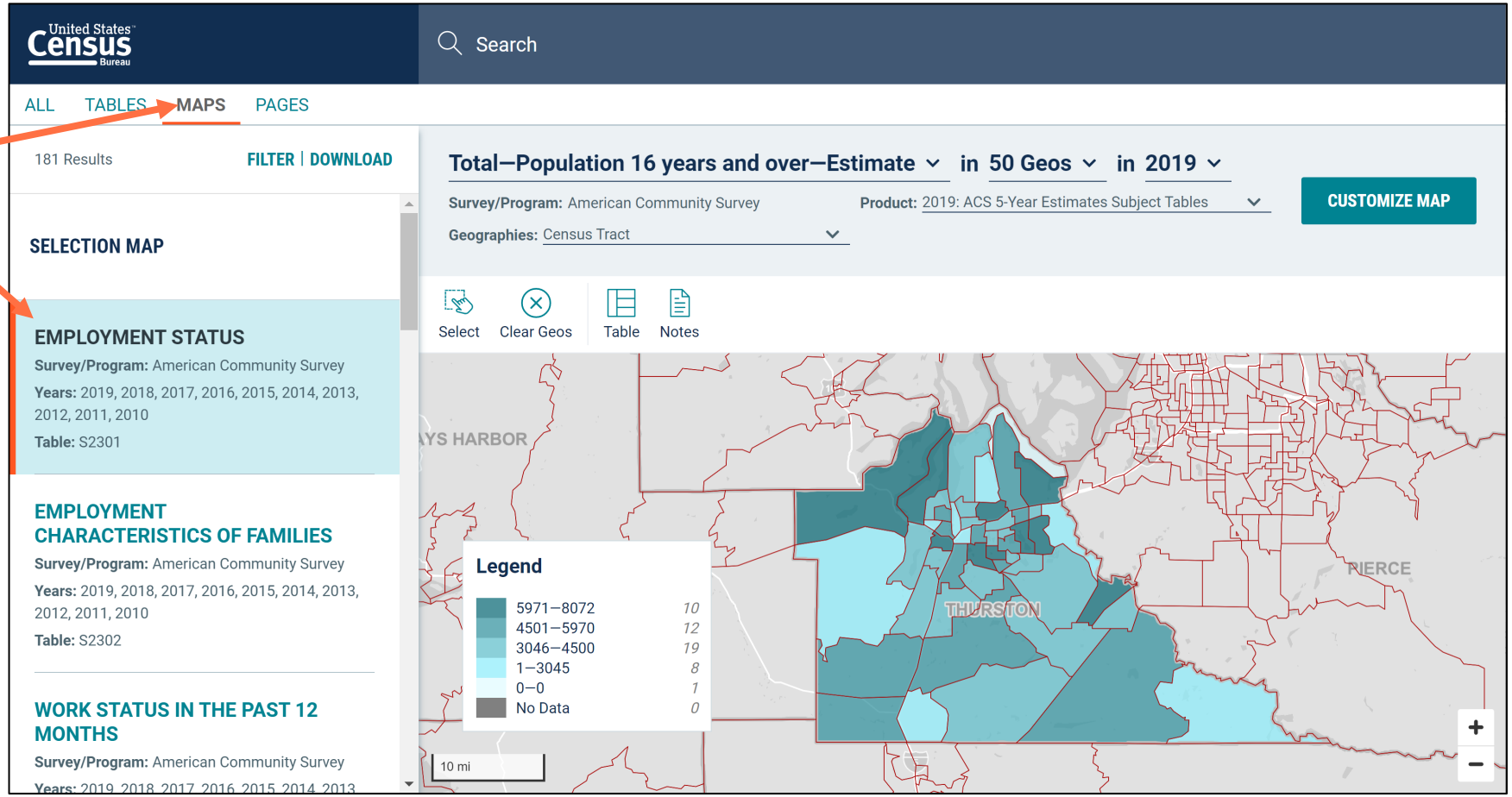
- Find an estimate in the table that you would like to map



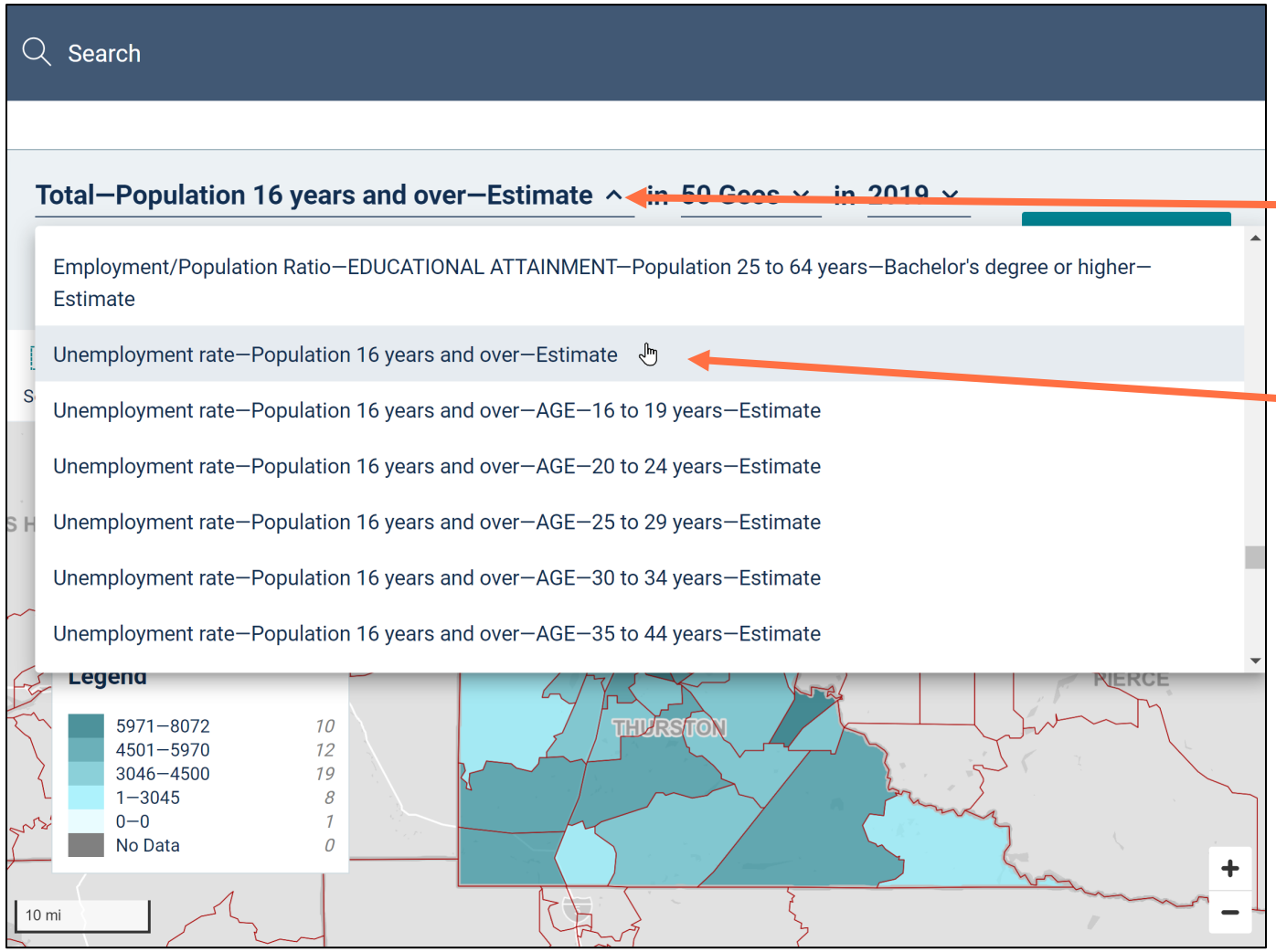
Navigate to Map

Navigate to the map tab

- Click **Maps** in the upper left
- Click your table of interest
- Verify the map is set to the state level, and that it is zoomed to your desired area



Select Your Variable



From the Map View

- Select the **Data Variable dropdown menu** in the upper left
- Find and click the variable that says **Unemployment rate—Population 16 years and over—Estimate**

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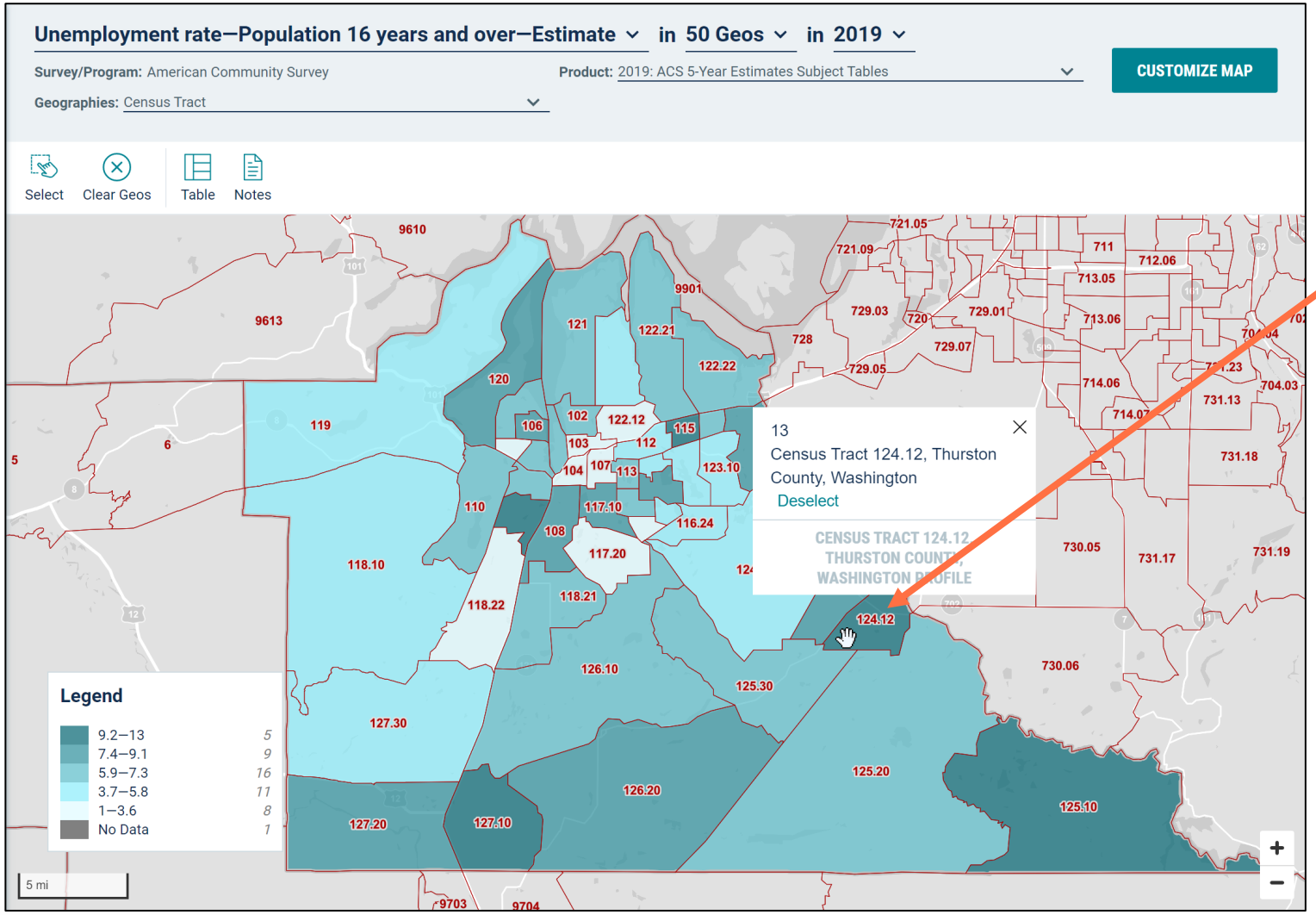
View Map



- Click on the census tracts with the darkest shade of blue to see which tracts have the highest unemployment rate

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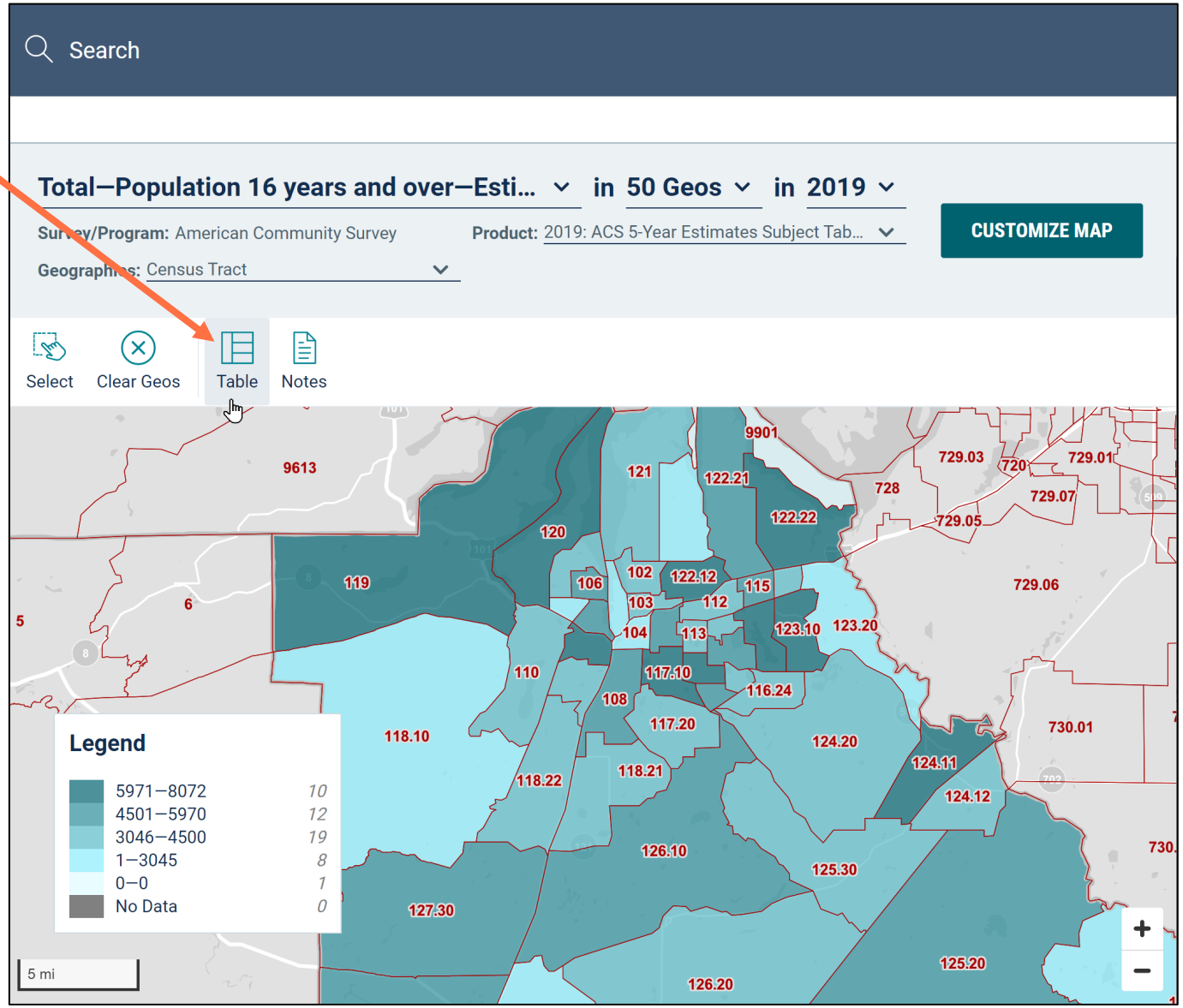
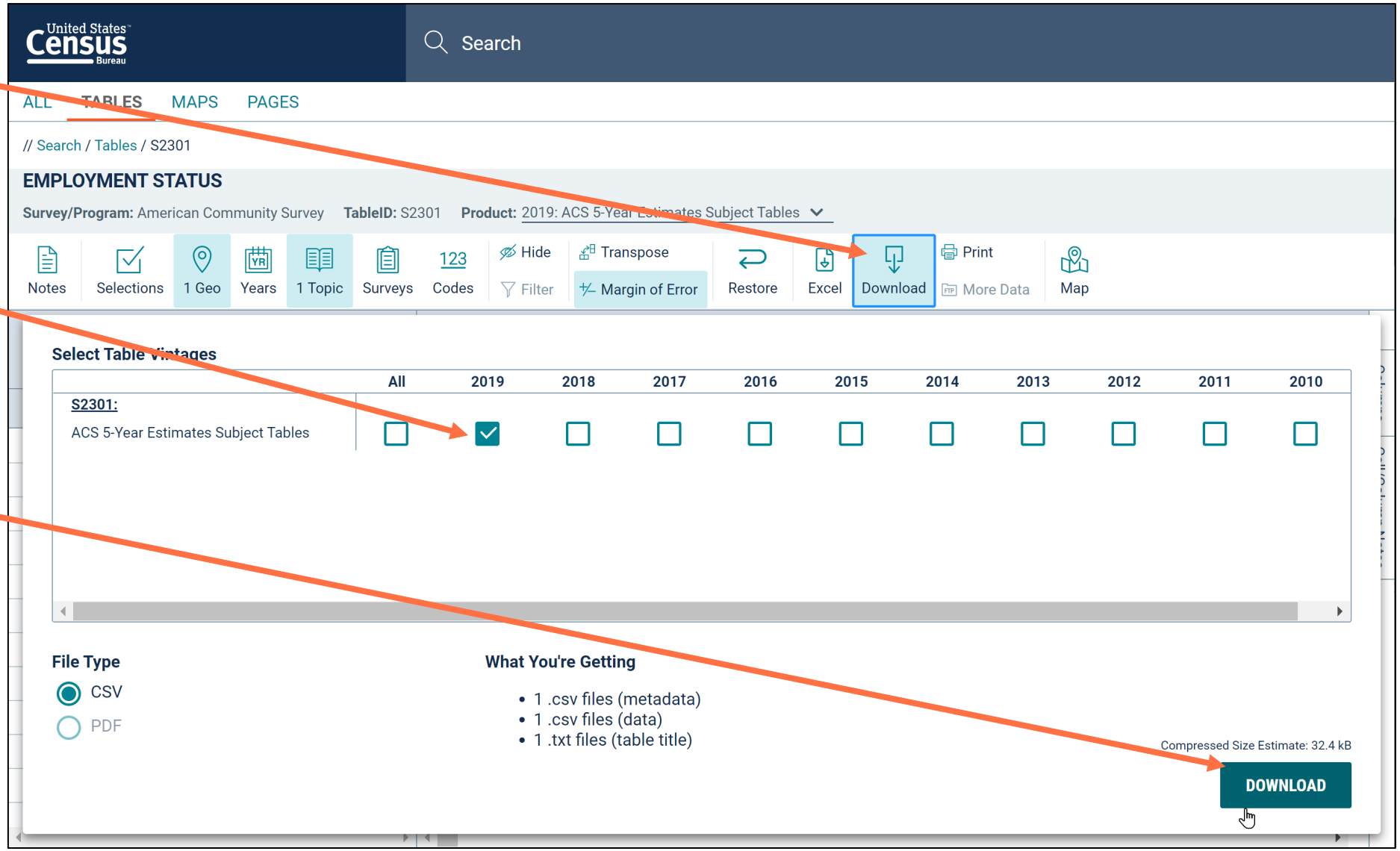
Navigate to Table View

- Click the **Table** button located above the map



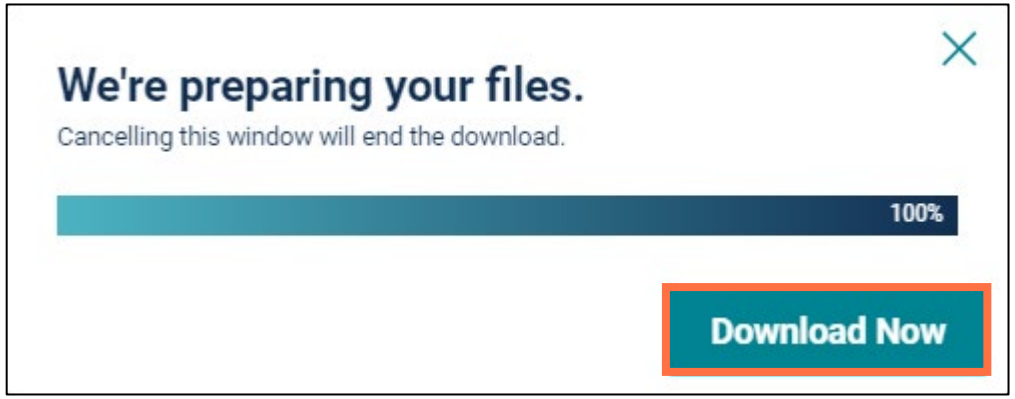
Download Table

- Click **Download** from the Customize Table view
- Verify the years you would like to download
- Click **Download**

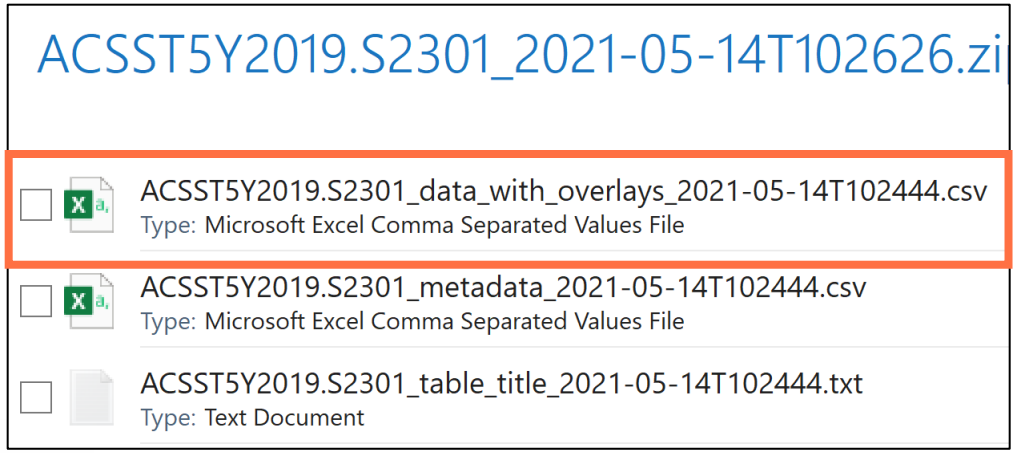


Open File

- Wait for the download status to reach 100% and then click **Download Now**



- Open the .csv file that has **“data_with_overlays”** in the naming convention



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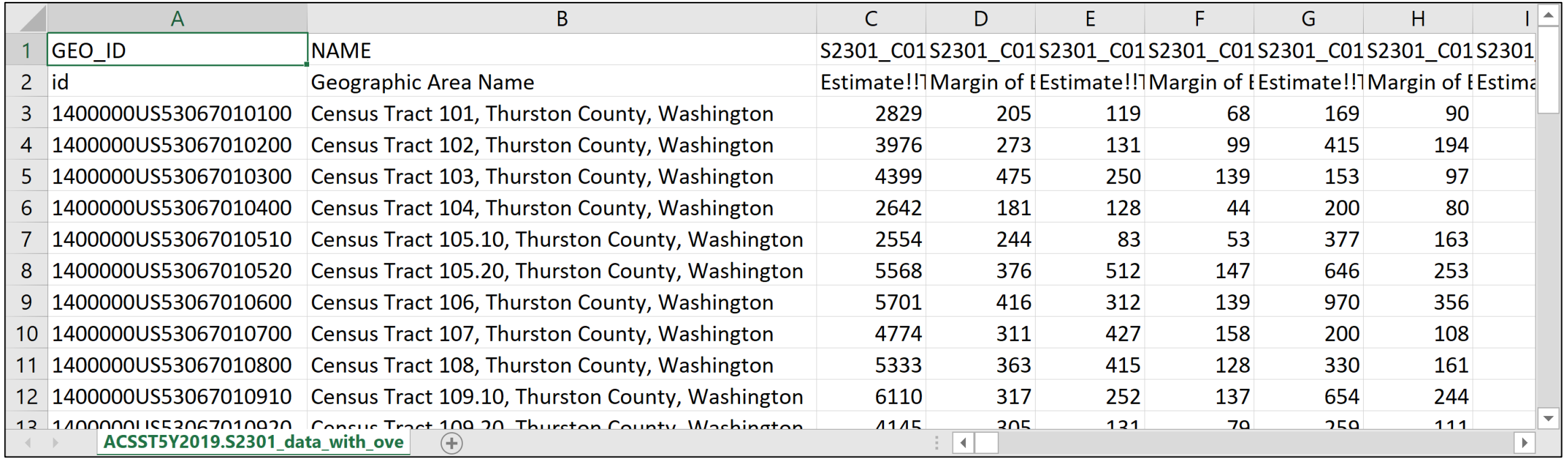
View Download



	A	B	C	D	E	F	G	H	I
1	GEO_ID	NAME	S2301_C01	S2301_C01	S2301_C01	S2301_C01	S2301_C01	S2301_C01	S2301
2	id	Geographic Area Name	Estimate!!1	Margin of E	Estimate!!1	Margin of E	Estimate!!1	Margin of E	Estima
3	1400000US53067010100	Census Tract 101, Thurston County, Washington	2829	205	119	68	169	90	
4	1400000US53067010200	Census Tract 102, Thurston County, Washington	3976	273	131	99	415	194	
5	1400000US53067010300	Census Tract 103, Thurston County, Washington	4399	475	250	139	153	97	
6	1400000US53067010400	Census Tract 104, Thurston County, Washington	2642	181	128	44	200	80	
7	1400000US53067010510	Census Tract 105.10, Thurston County, Washington	2554	244	83	53	377	163	
8	1400000US53067010520	Census Tract 105.20, Thurston County, Washington	5568	376	512	147	646	253	
9	1400000US53067010600	Census Tract 106, Thurston County, Washington	5701	416	312	139	970	356	
10	1400000US53067010700	Census Tract 107, Thurston County, Washington	4774	311	427	158	200	108	
11	1400000US53067010800	Census Tract 108, Thurston County, Washington	5333	363	415	128	330	161	
12	1400000US53067010910	Census Tract 109.10, Thurston County, Washington	6110	317	252	137	654	244	
13	1400000US53067010920	Census Tract 109.20, Thurston County, Washington	4145	305	131	79	259	111	

ACSST5Y2019.S2301_data_with_ove

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data.census.gov Demo

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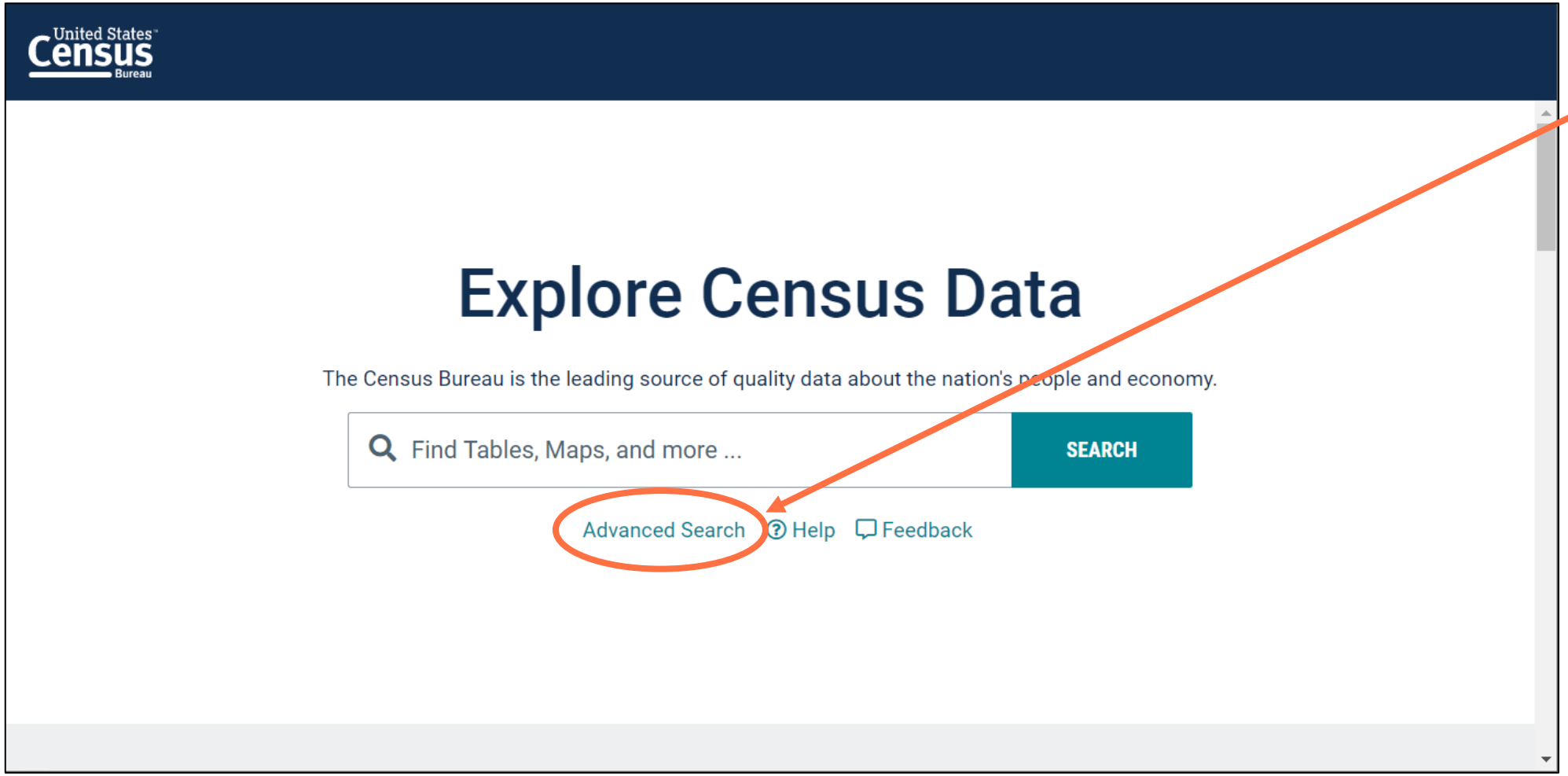
United States® Census Bureau

Select Advanced Search



- Select **Advanced Search** from the landing page of data.census.gov

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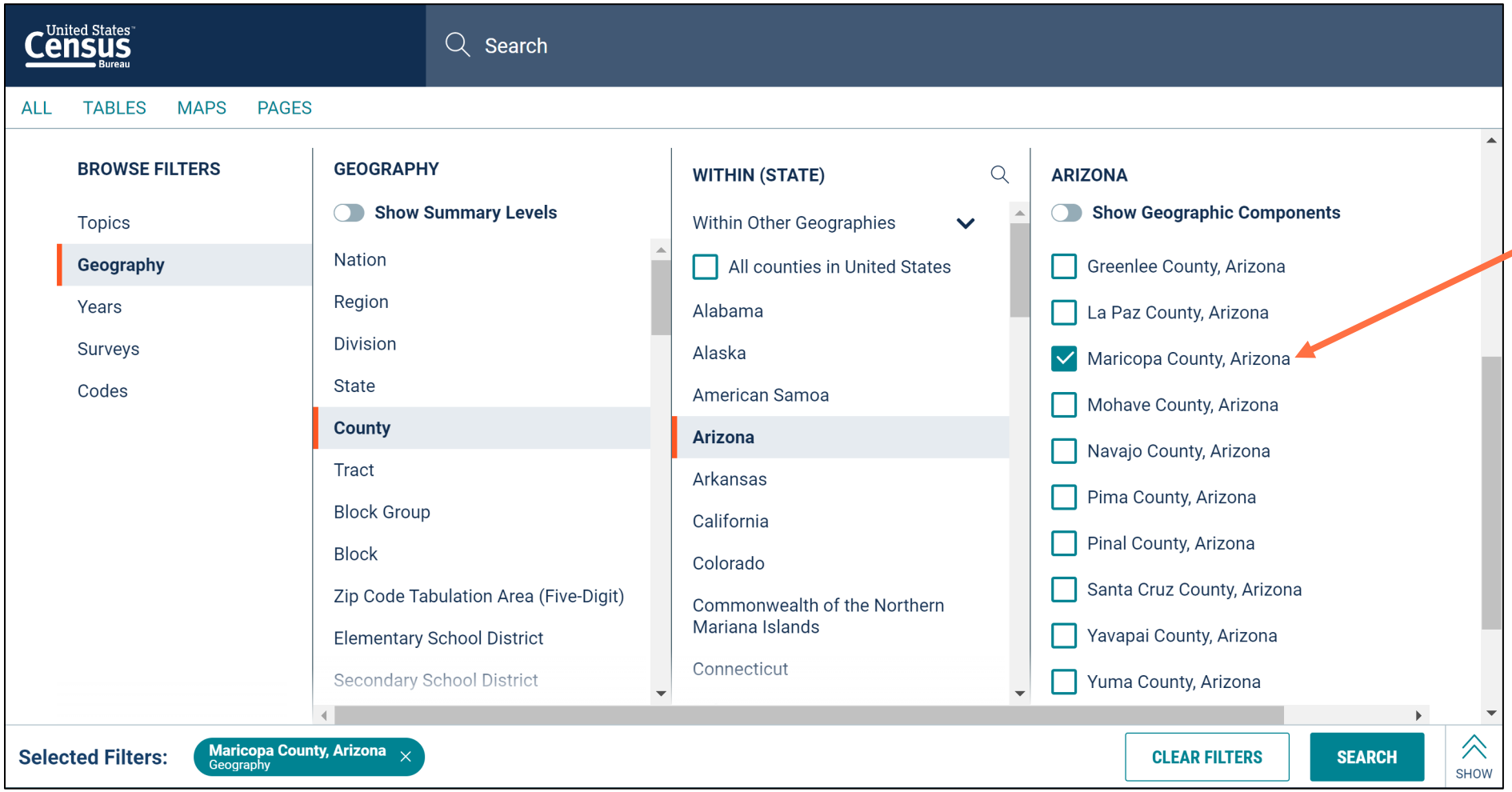
Select Geography: Maricopa County, AZ

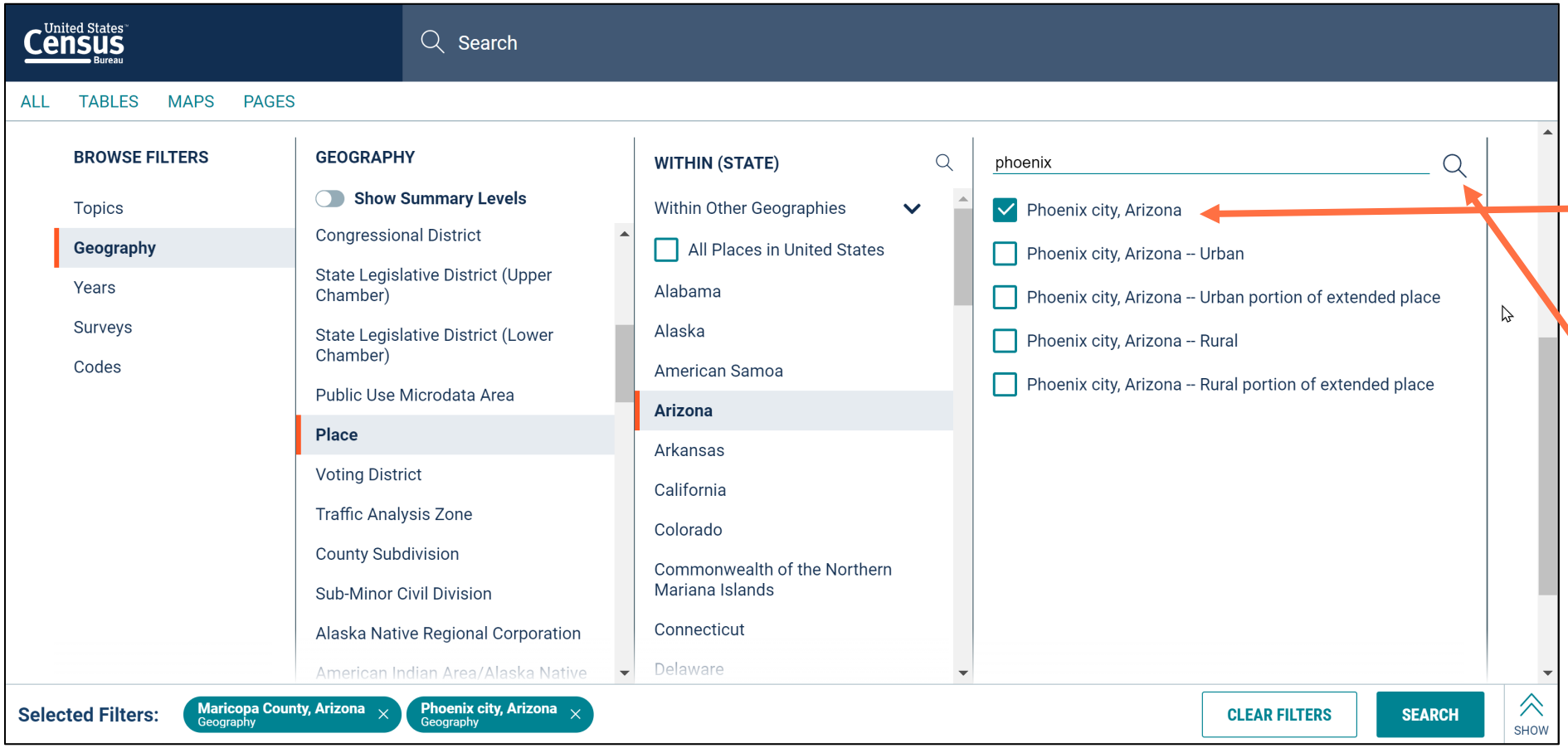


- Select Geography

Geography → County → Arizona → **Maricopa County, Arizona**

United States® Census Bureau

Select Geography: Phoenix city, AZ



- Select Geography

  Geography → Place → Arizona → **Phoenix city, Arizona**

- **TIP: Click the magnifying glass to search the list of geographies**

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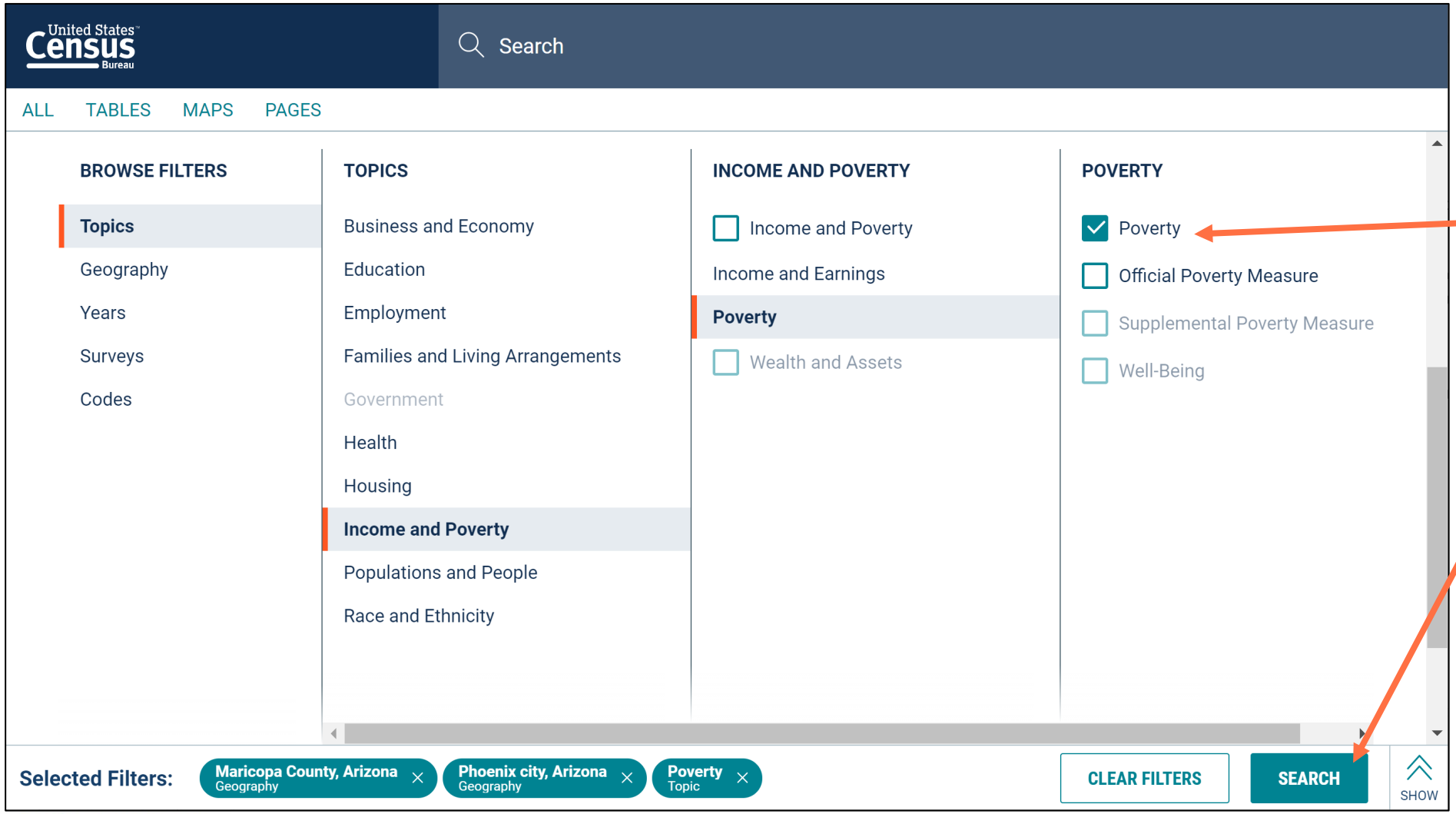
Select Topic: Poverty



- Select Topic

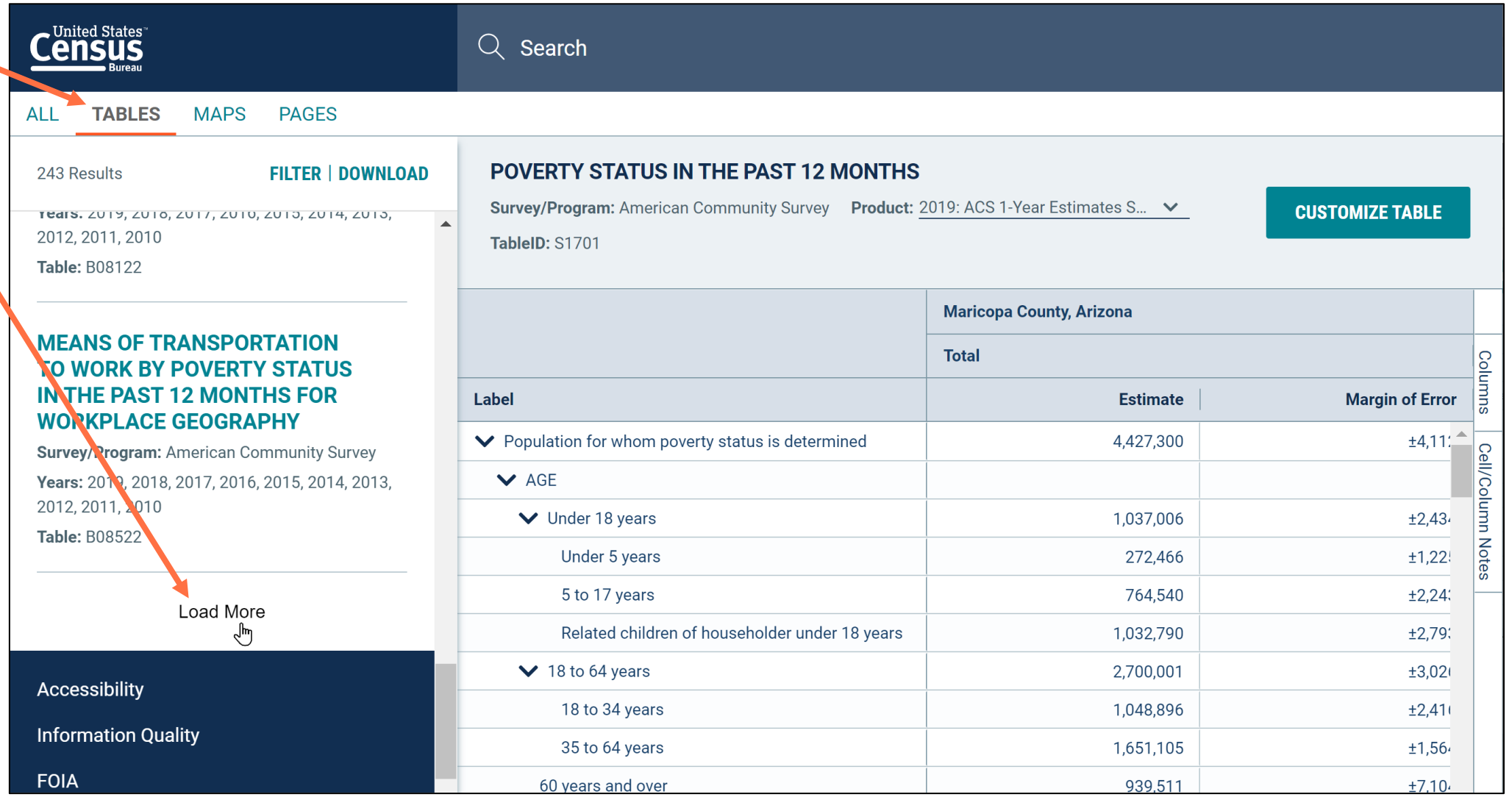
  Topics → Income and Poverty → Poverty → **Poverty**

- Verify filters and click **Search** in the lower right

United States® Census Bureau

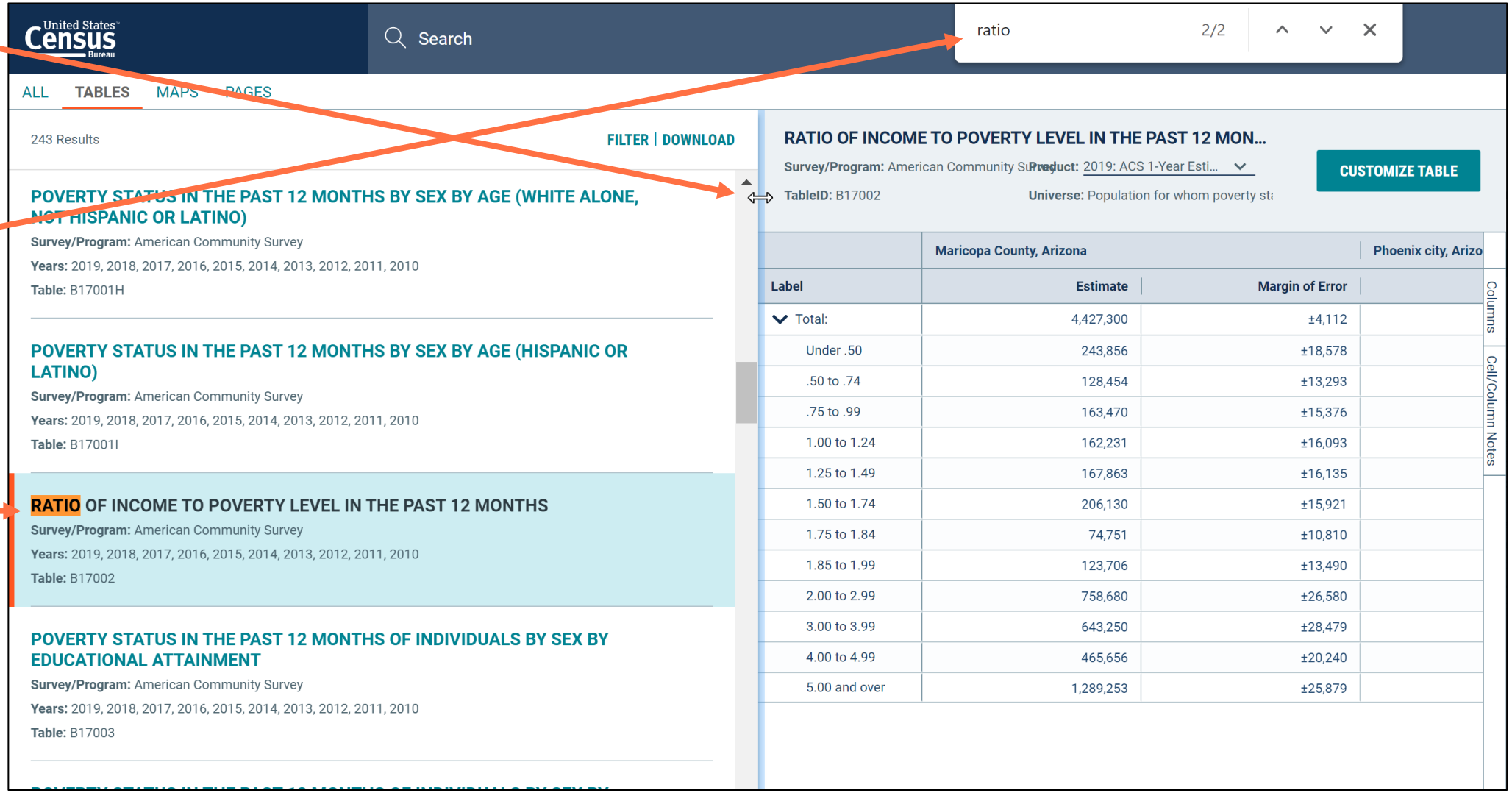
Load Table Results

- Click **Tables** in the upper left
- The first 10 table results are displayed. Scroll through the results and click **Load More** a few times to see more table results.



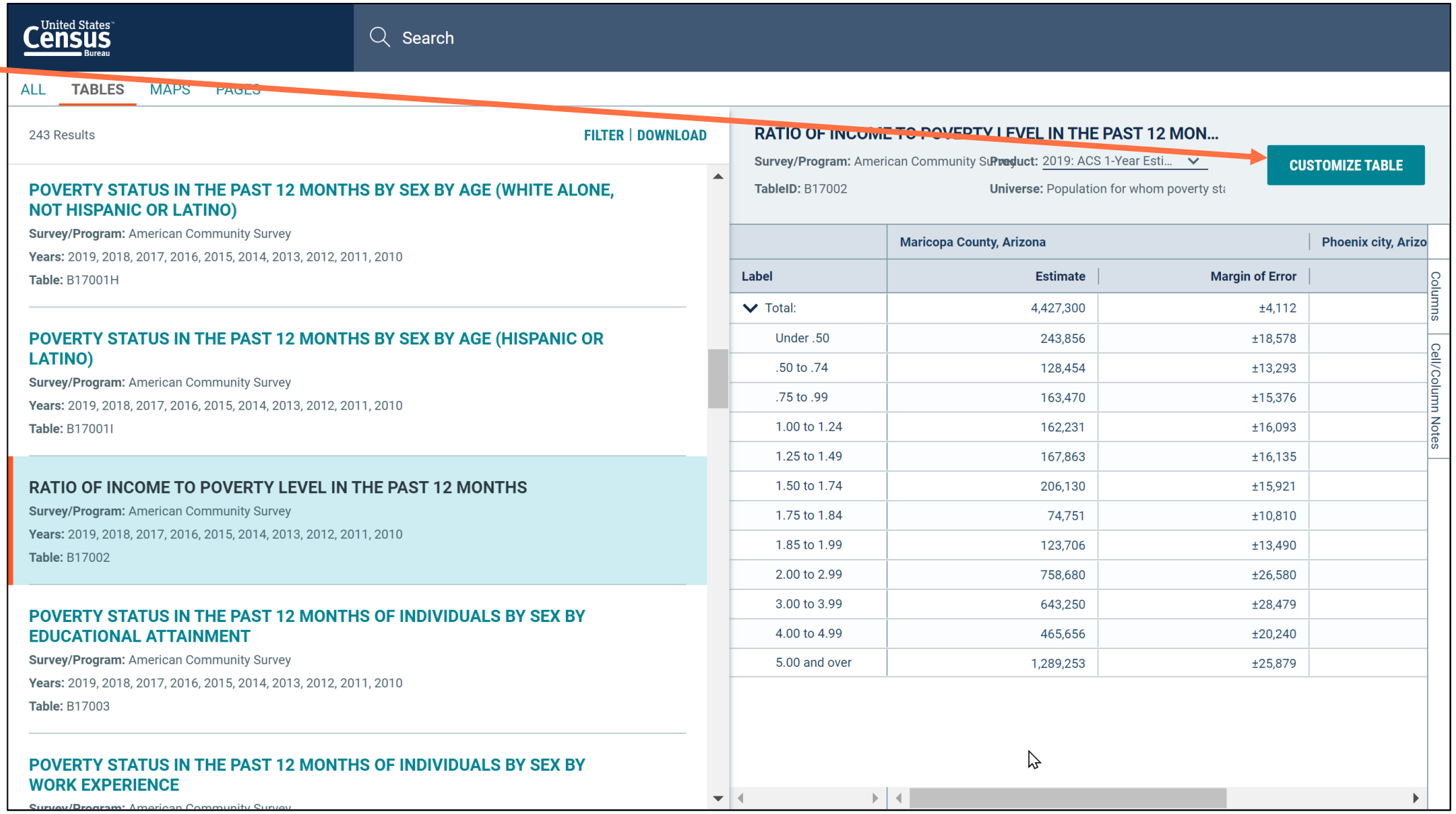
Browse Table Results

- Click and drag the edge of the left panel to expand it
- Press **Control + F** and type a keyword such as **Ratio** that appears in a table ID
- Click the table title to load it



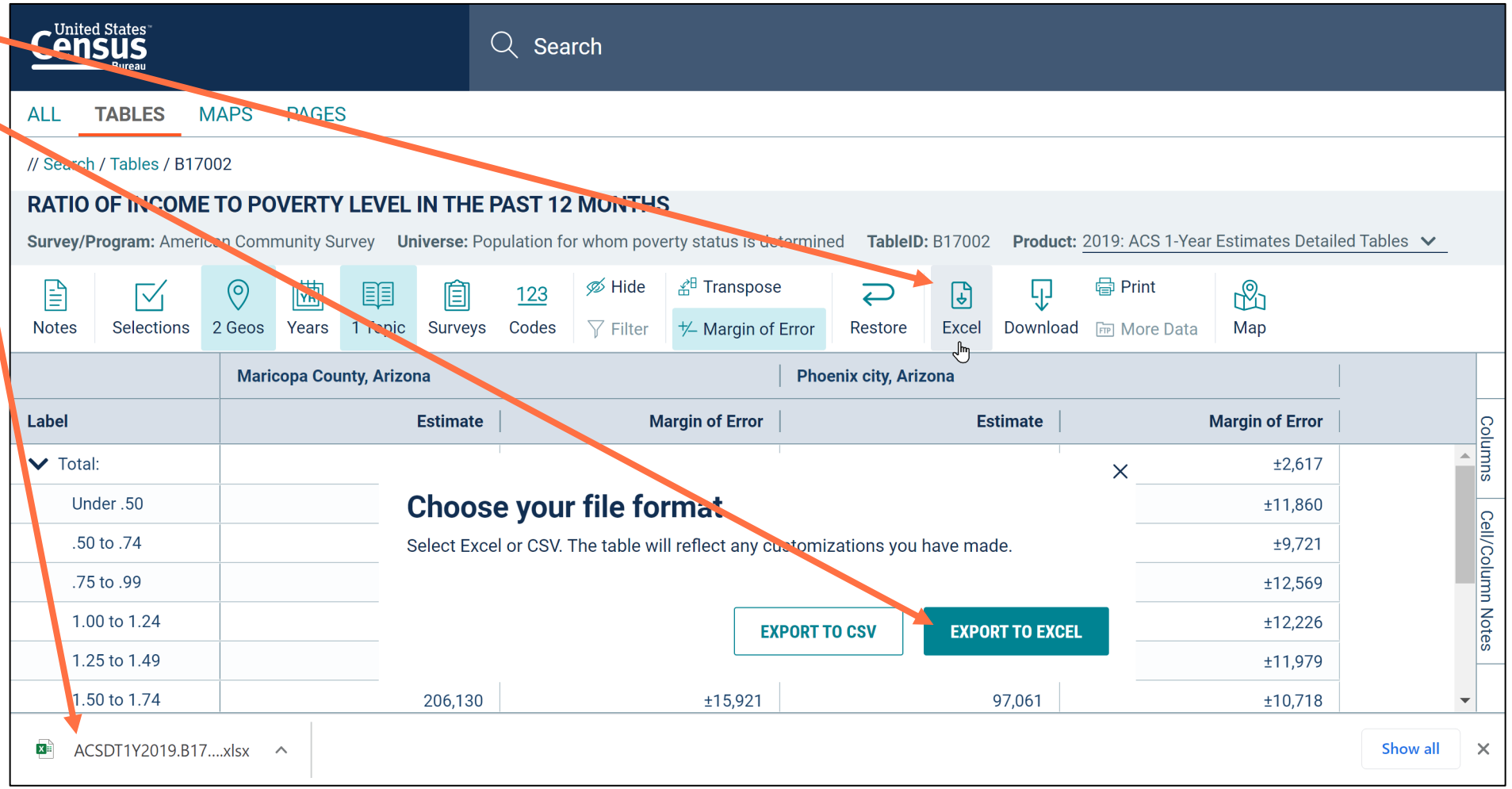
Customize Table

- Click **Customize Table** in the upper right



Export Table

- Click **Excel**
- Choose **Export to Excel**
- **Open file**



View Exported File

- Click the **Data** worksheet
- View your table

	A	B	C	D	E
1		**Maricopa County, Arizona**		**Phoenix city, Arizona**	
2	**Label**	**Estimate**	**Margin of Error**	**Estimate**	**Margin of Error**
3	Total:	4,427,300	±4,112	1,662,133	±2,617
4	Under .50	243,856	±18,578	106,158	±11,860
5	.50 to .74	128,454	±13,293	67,457	±9,721
6	.75 to .99	163,470	±15,376	85,010	±12,569
7	1.00 to 1.24	162,231	±16,093	78,323	±12,226
8	1.25 to 1.49	167,863	±16,135	73,5[illegible]	±11,979
9	1.50 to 1.74	206,130	±15,921	97,061	±10,718
10	1.75 to 1.84	74,751	±10,810	37,648	±9,151
11	1.85 to 1.99	123,706	±13,490	59,434	±11,080
12	2.00 to 2.99	758,680	±26,580	310,410	±18,799
13	3.00 to 3.99	643,250	±28,479	222,340	±16,287
14	4.00 to 4.99	465,656	±20,240	143,551	±11,582
15	5.00 and over	1,289,253	±25,879	381,229	±15,540

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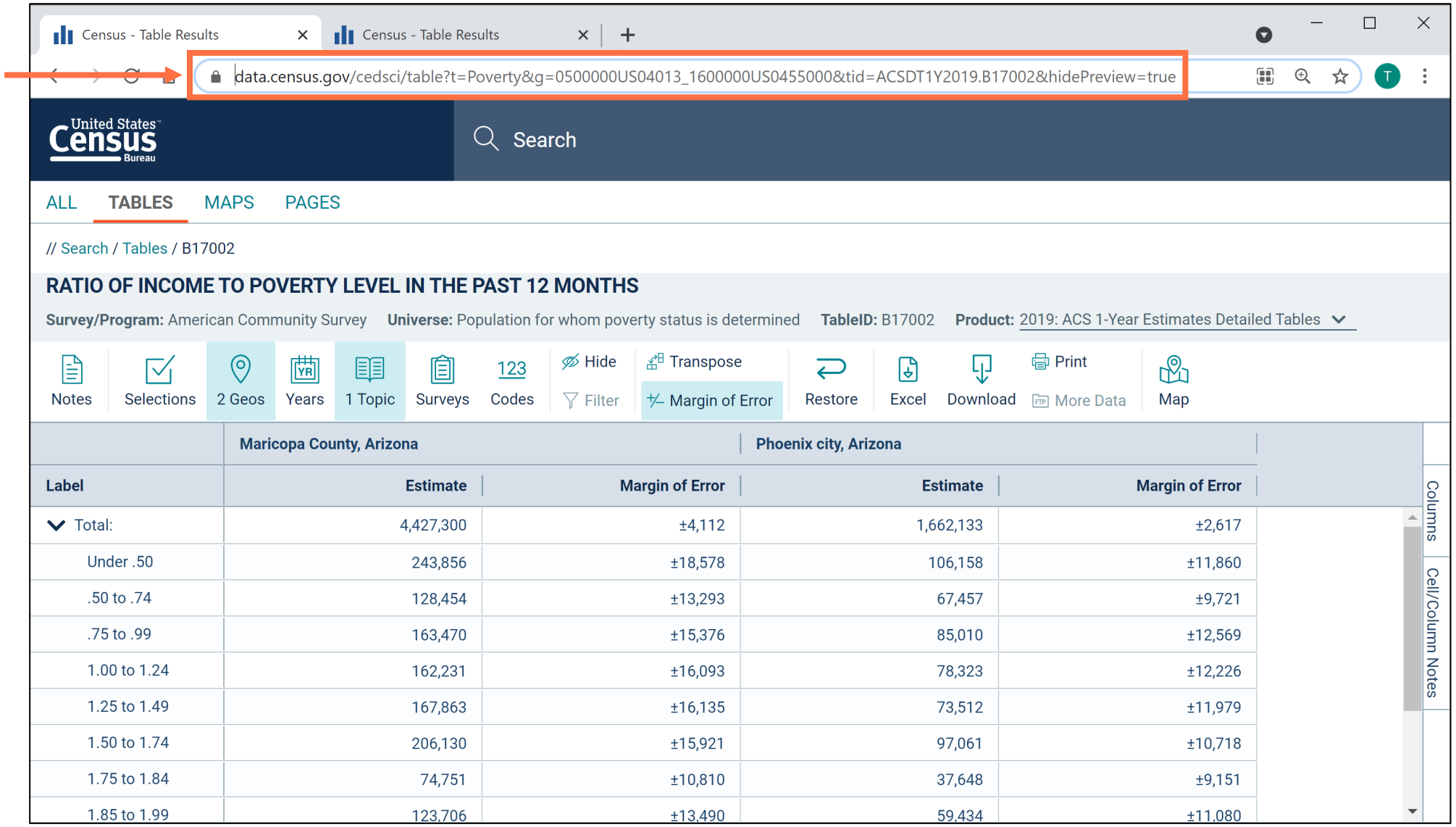
Save Your Table

- Copy the URL from your address bar to return to this table result later



Label	Maricopa County, Arizona		Phoenix city, Arizona	
	Estimate	Margin of Error	Estimate	Margin of Error
Total:	4,427,300	±4,112	1,662,133	±2,617
Under .50	243,856	±18,578	106,158	±11,860
.50 to .74	128,454	±13,293	67,457	±9,721
.75 to .99	163,470	±15,376	85,010	±12,569
1.00 to 1.24	162,231	±16,093	78,323	±12,226
1.25 to 1.49	167,863	±16,135	73,512	±11,979
1.50 to 1.74	206,130	±15,921	97,061	±10,718
1.75 to 1.84	74,751	±10,810	37,648	±9,151
1.85 to 1.99	123,706	±13,490	59,434	±11,080

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- **Educational Materials and Tips**
- Q&A

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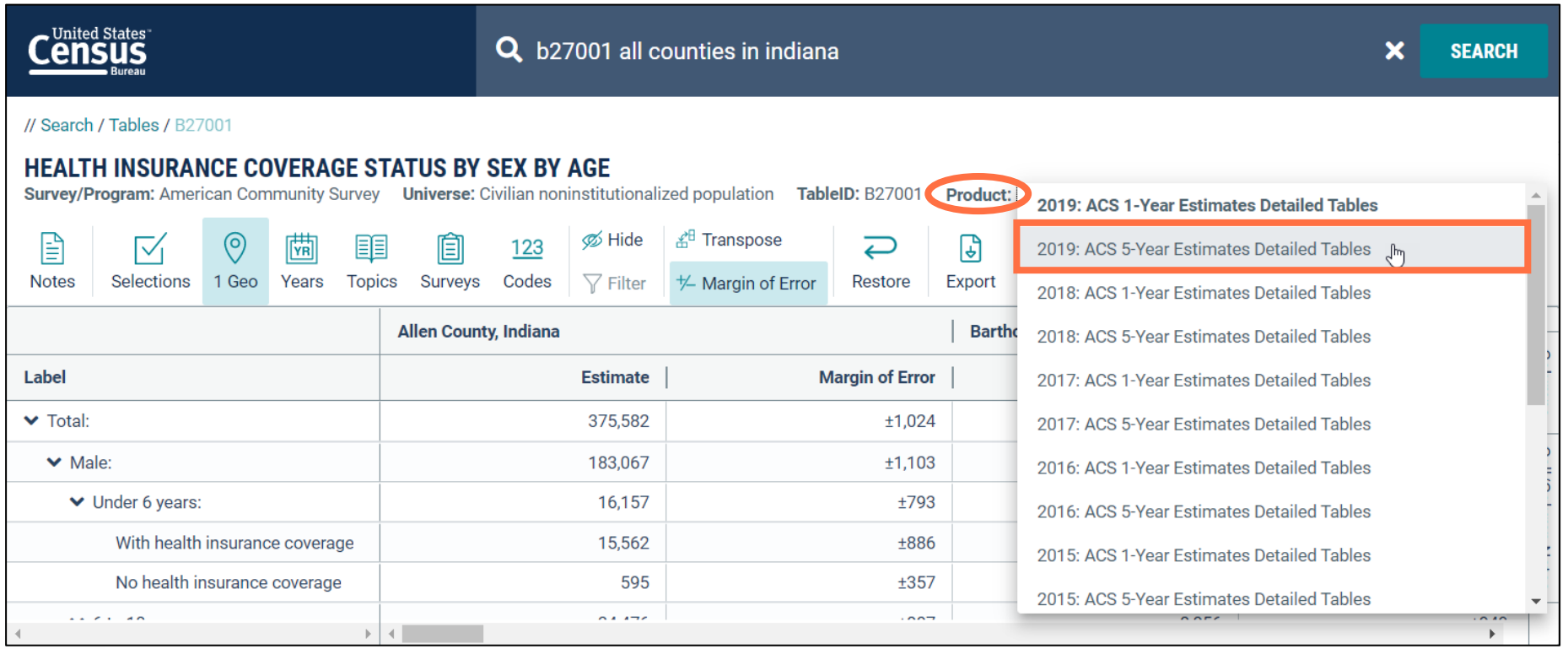
Why Does My Table Not Show All of My Selected Geographies? Why Am I Unable to Select My Geography?

It is often due to using ACS 1-year estimates instead of ACS 5-year estimates. ACS 1-year has min population requirement of 65,000 people.

Click the product drop down menu and choose ACS 5-year estimates to get data for your geographies.



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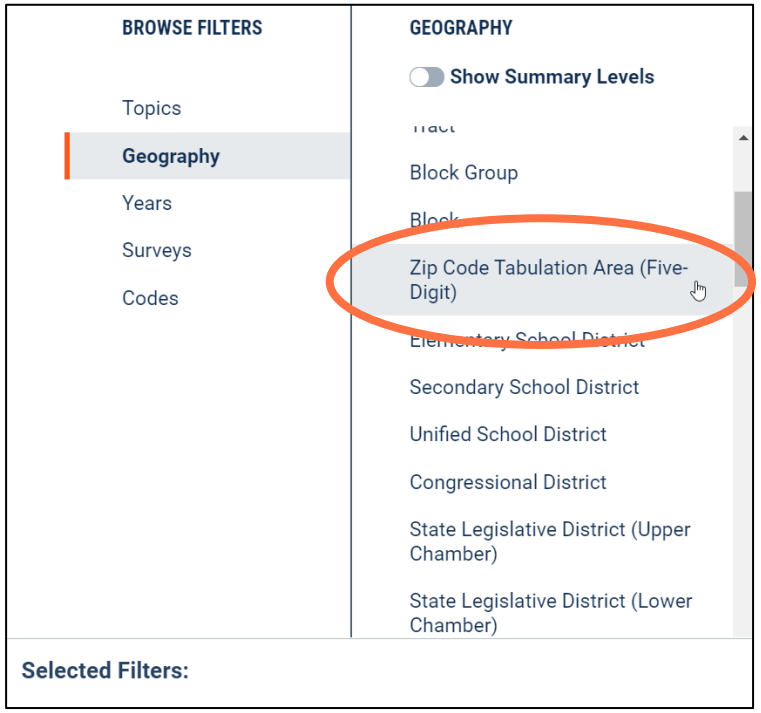
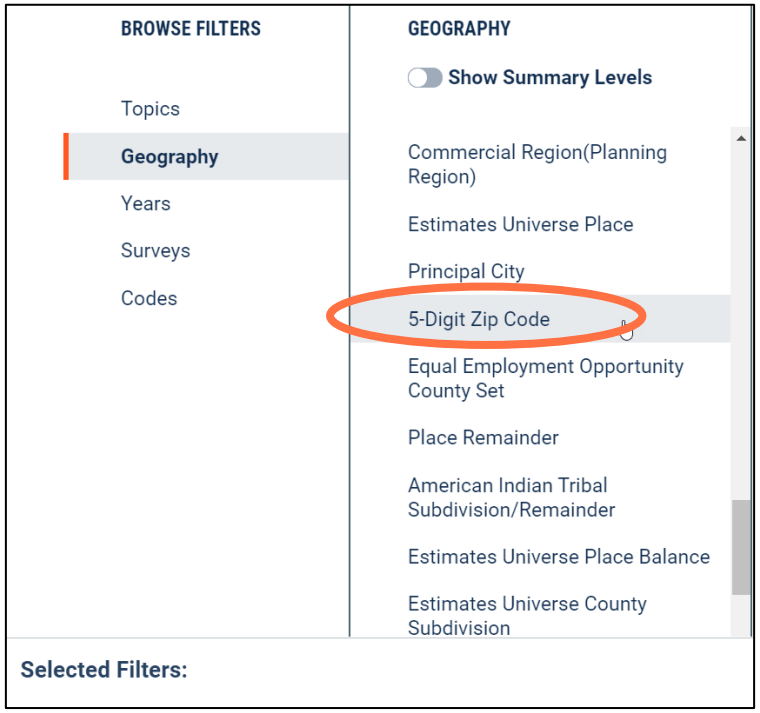
ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5950

How Do I Access Data for ZIP Codes?

Use ZIP Code Tabulation Areas (ZCTAs) for data on people and housing



Use ZIP Codes for data on businesses



https://www2.census.gov/data/api-documentation/using-data-census-gov-differences-in-zcta_zip-code-summary-levels.pdf

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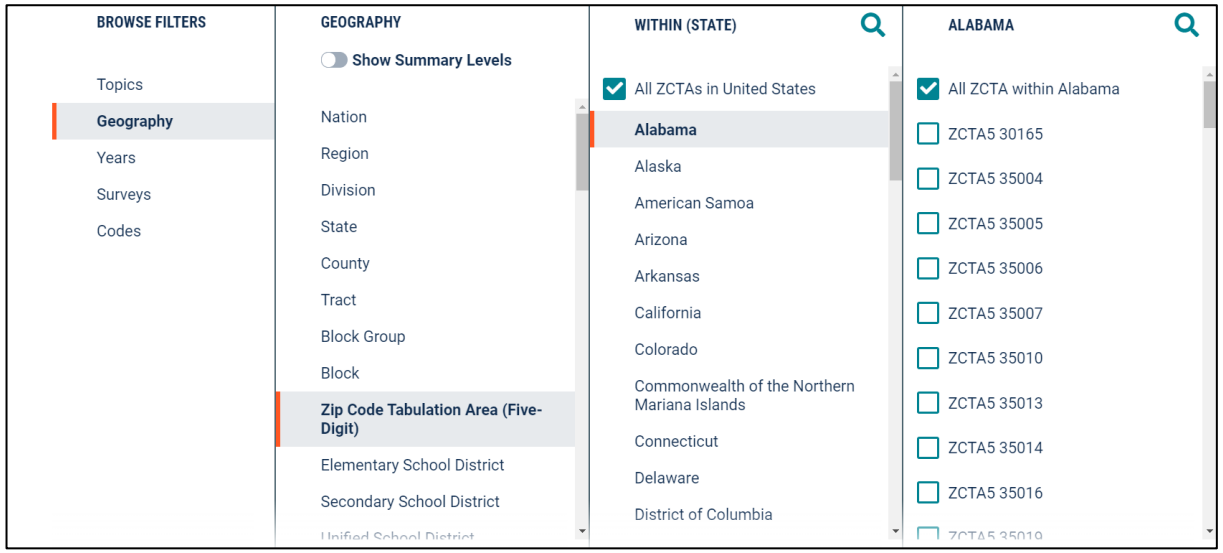
How Do I Access Data for Collections of ZCTAs in Bulk?

Easy-to-use filters allow you to select all ZCTAs for the most recent data releases

2019 ACS



See FAQ KCP-6030 to learn how to get ZCTA data for earlier vintages of ACS 5-year datasets (2011-2018)

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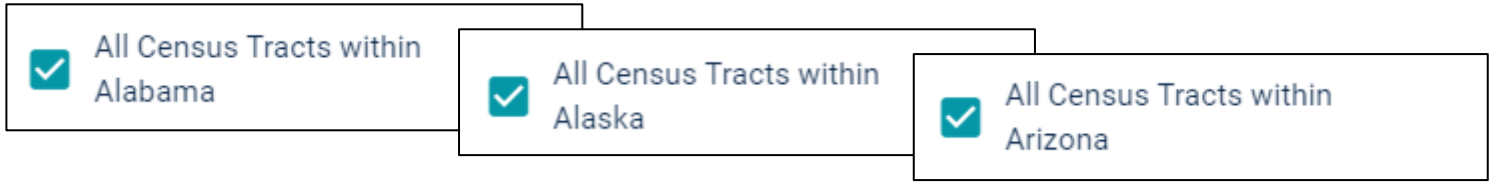
How Do I Select All Census Tracts in the U.S.?

- Visit this link which has selections for all tracts in each state, DC, and Puerto Rico



https://data.census.gov/cedsci/advanced?g=0400000US01.140000,02.140000,04.140000,05.140000,06.140000,08.140000,09.140000,10.140000,11.140000,12.140000,13.140000,15.140000,16.140000,17.140000,18.140000,19.140000,20.140000,21.140000,22.140000,23.140000,24.140000,25.140000,26.140000,27.140000,28.140000,29.140000,30.140000,31.140000,32.140000,33.140000,34.140000,35.140000,36.140000,37.140000,38.140000,39.140000,40.140000,41.140000,42.140000,44.140000,45.140000,46.140000,47.140000,48.140000,49.140000,50.140000,51.140000,53.140000,54.140000,55.140000,56.140000,72.140000

- Add other search criteria
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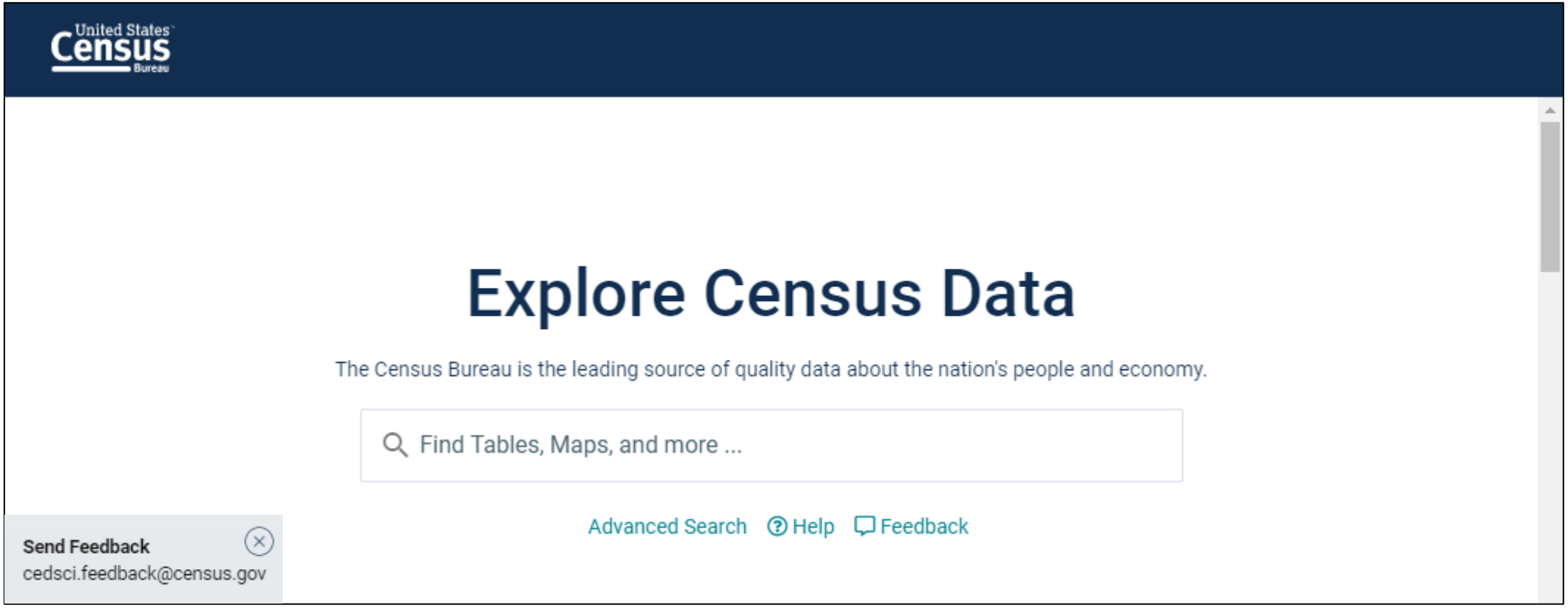

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