data.census.gov
Hands-On Training

Tennessee State Data Center

October 22, 2019

Center for Enterprise Dissemination (CED)

U.S. Census Bureau

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

Learning Objectives

At the end of this training you will be able to:

- Access tables, maps, and profiles on data.census.gov
- Use multiple search methods and apply tips/tricks to find data quickly
- Clear, edit, and build upon your existing searches
- Customize your view and download data
- Create your own Geographic Comparison Table

data.census.gov: Changing the way you get data at the U.S. Census Bureau

Transitioning from American FactFinder (AFF) to data.census.gov:

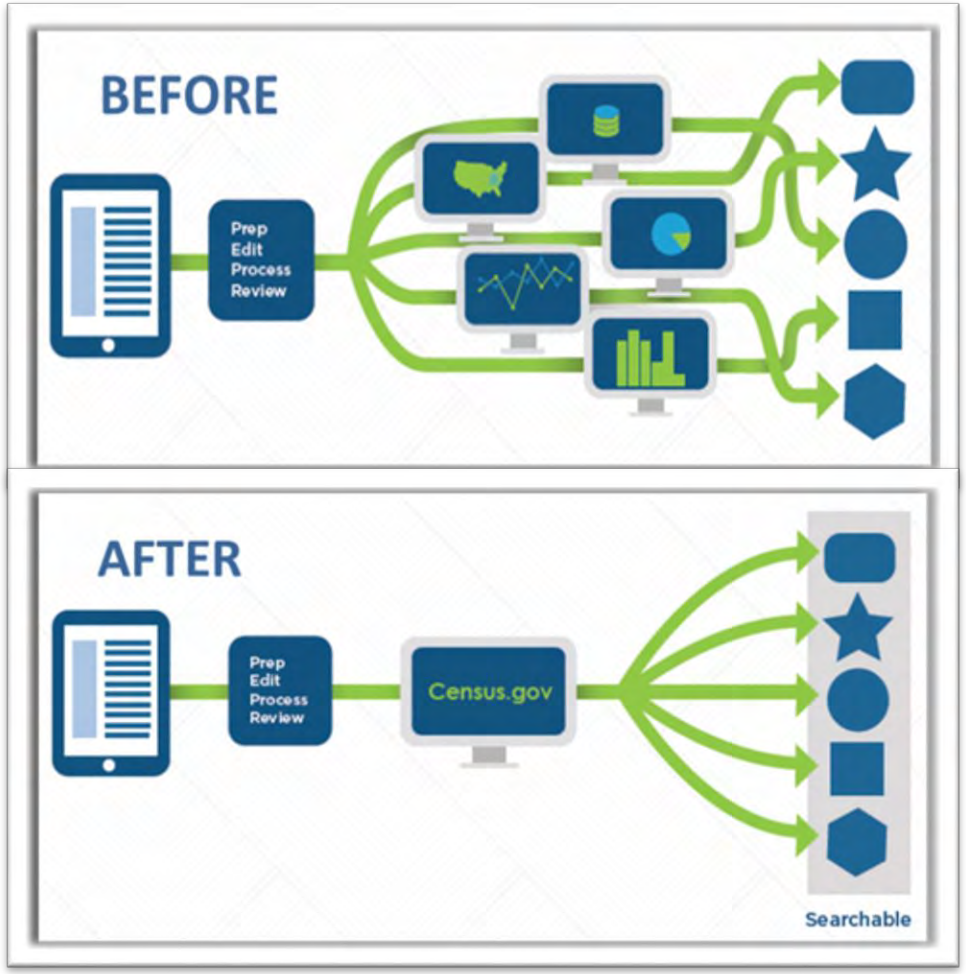
- Streamline access to data
- Maintain best of current tools
- Reduce redundancies and costs
- Provide greater access to Census API

Most AFF data migrated to the Census API and data.census.gov:

- Spring 2020

First major releases exclusively on data.census.gov last month:

- 2017 Economic Census
- 2018 American Community Survey 1-Year Estimates



Single Search - Quick Wins for All Users

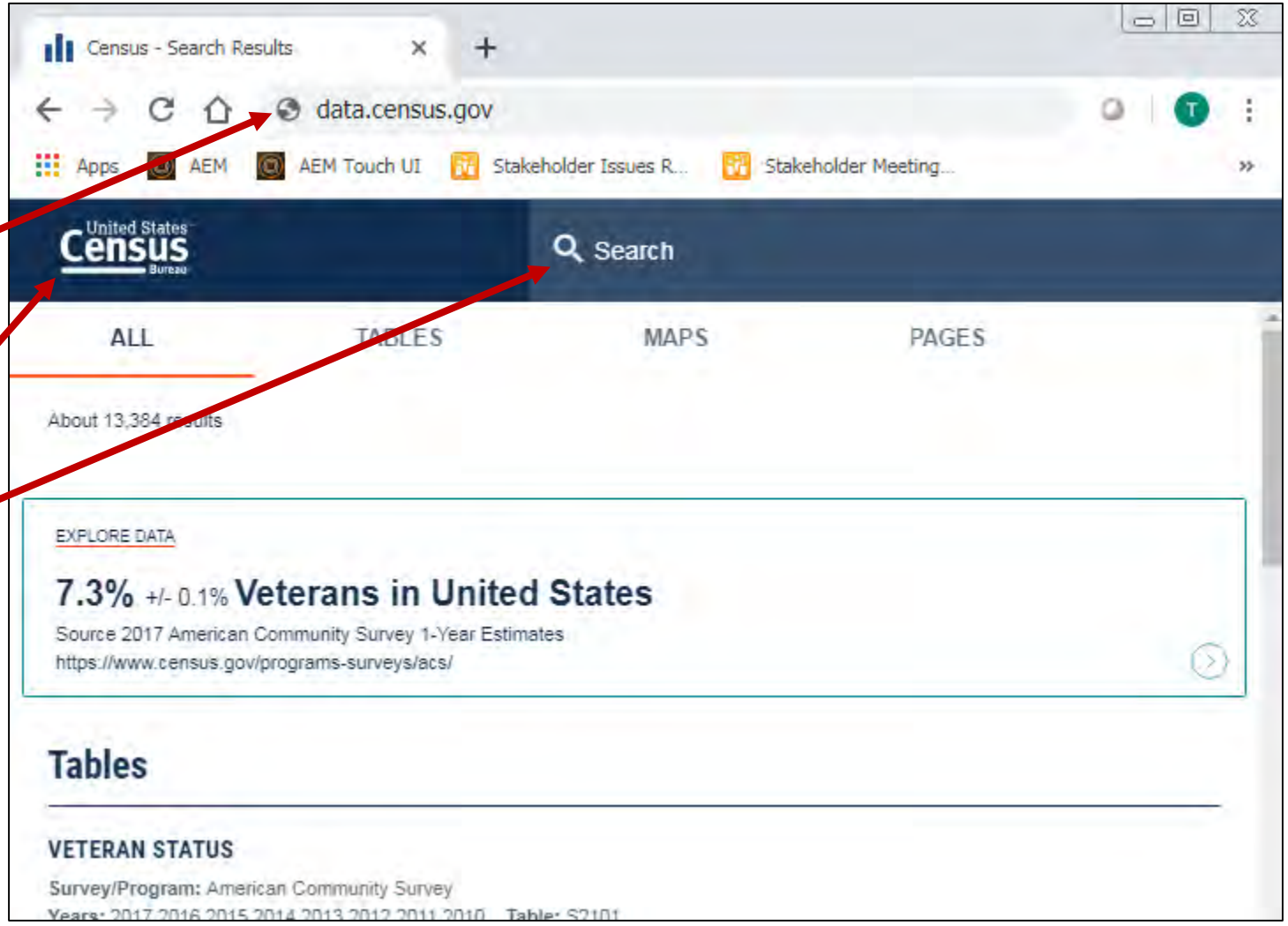
Use for quick wins to find things like:

- **Simple statistics**
  Percent health insurance in Arizona
- **Profile for a single geography**
  North Dakota profile
- **NAICS**
  531110
- **Table ID**
  B19001
- **Groups of tables**
  CP, EC, DP

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



✍ Exercise 1: Simple Search

What are quick ways to find:

- Poverty rate in Oregon
- Table NS1700NONEMP
- All tables for NAICS 4231
- B19013 for all counties in Delaware
- Visualizations for popular Census Bureau data for Oklahoma (i.e. Geography Profile for Oklahoma)

✍ Exercise 1: Simple Search

What are quick ways to find:

- Poverty rate in Oregon: **12.6%**
- Table NS1700NONEMP

  Type NS1700NONEMP in the single search
- All tables for NAICS 4231

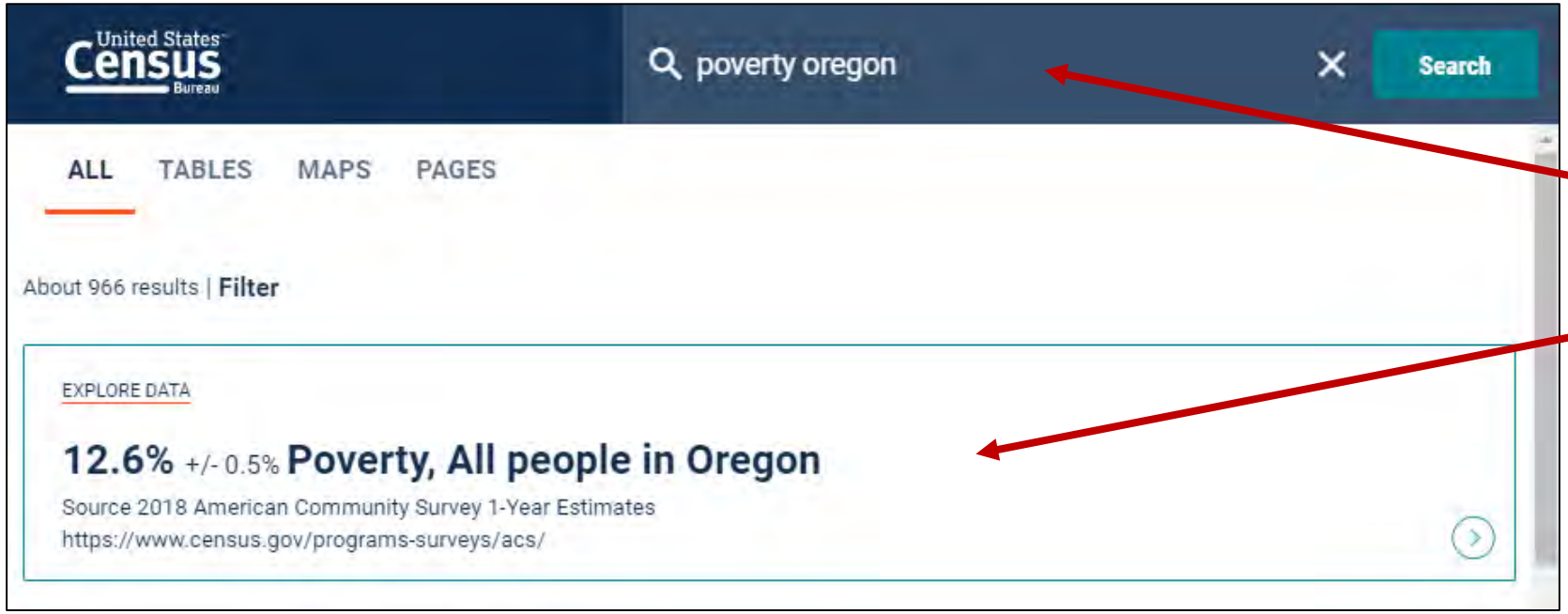
  Type 4231 in the single search
- B19013 for all counties in Delaware

  Type B19013 for all counties in Delaware in the single search
- Visualizations of popular Census Bureau data for Oklahoma (i.e. Geography Profile for Oklahoma)

  Type Oklahoma in the single search and click Oklahoma Profile

✍ Exercise 1a: Poverty rate in Oregon

Answer: 12.6%

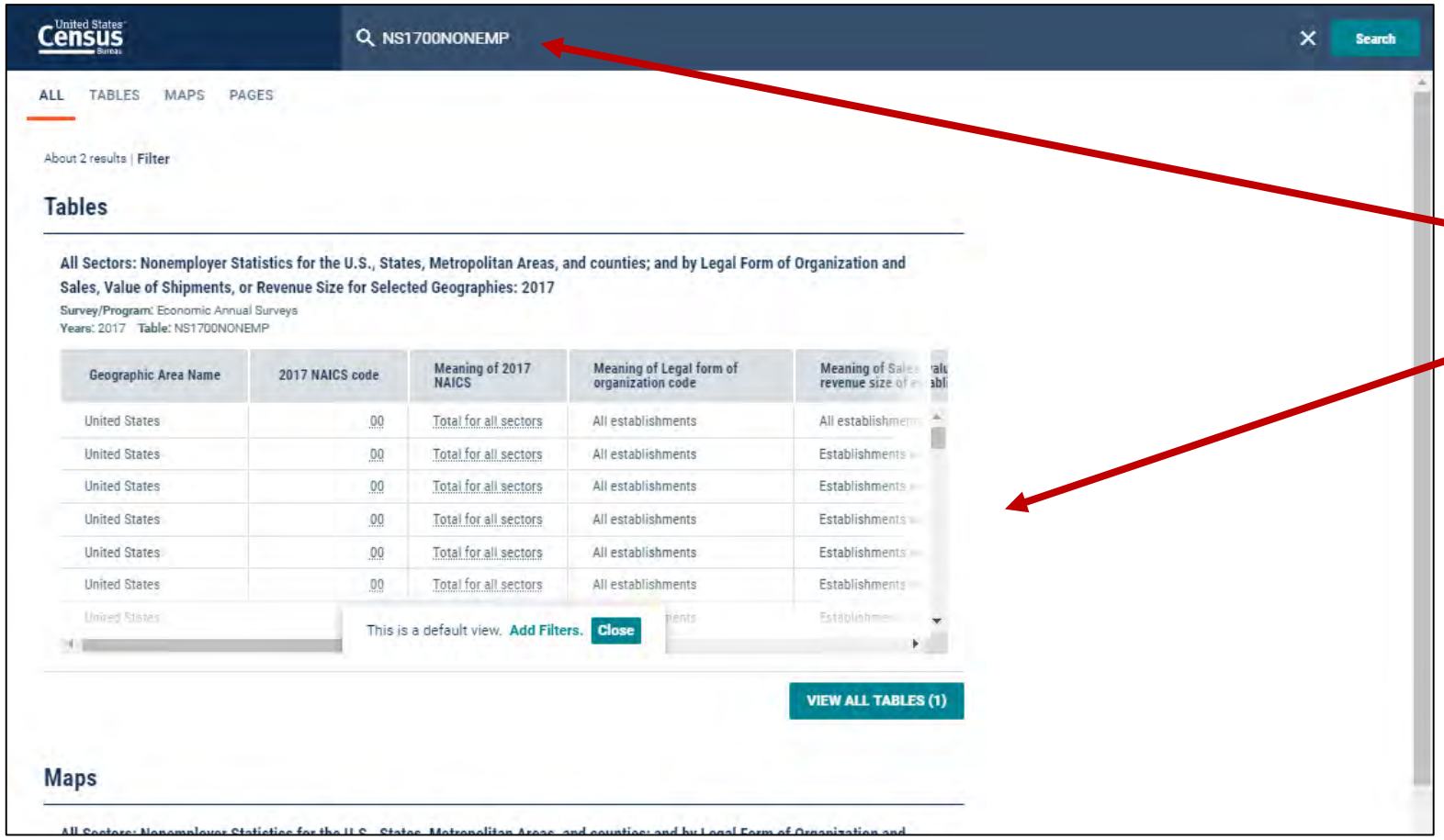


Using the single search bar

- Type topic + geography
  - Poverty Oregon
  - Oregon poverty
  - People in poverty Oregon
- View featured result at the top of the page

✍ Exercise 1b: Table NS1700NONEMP

Answer: Type NS1700NONEMP in the single search

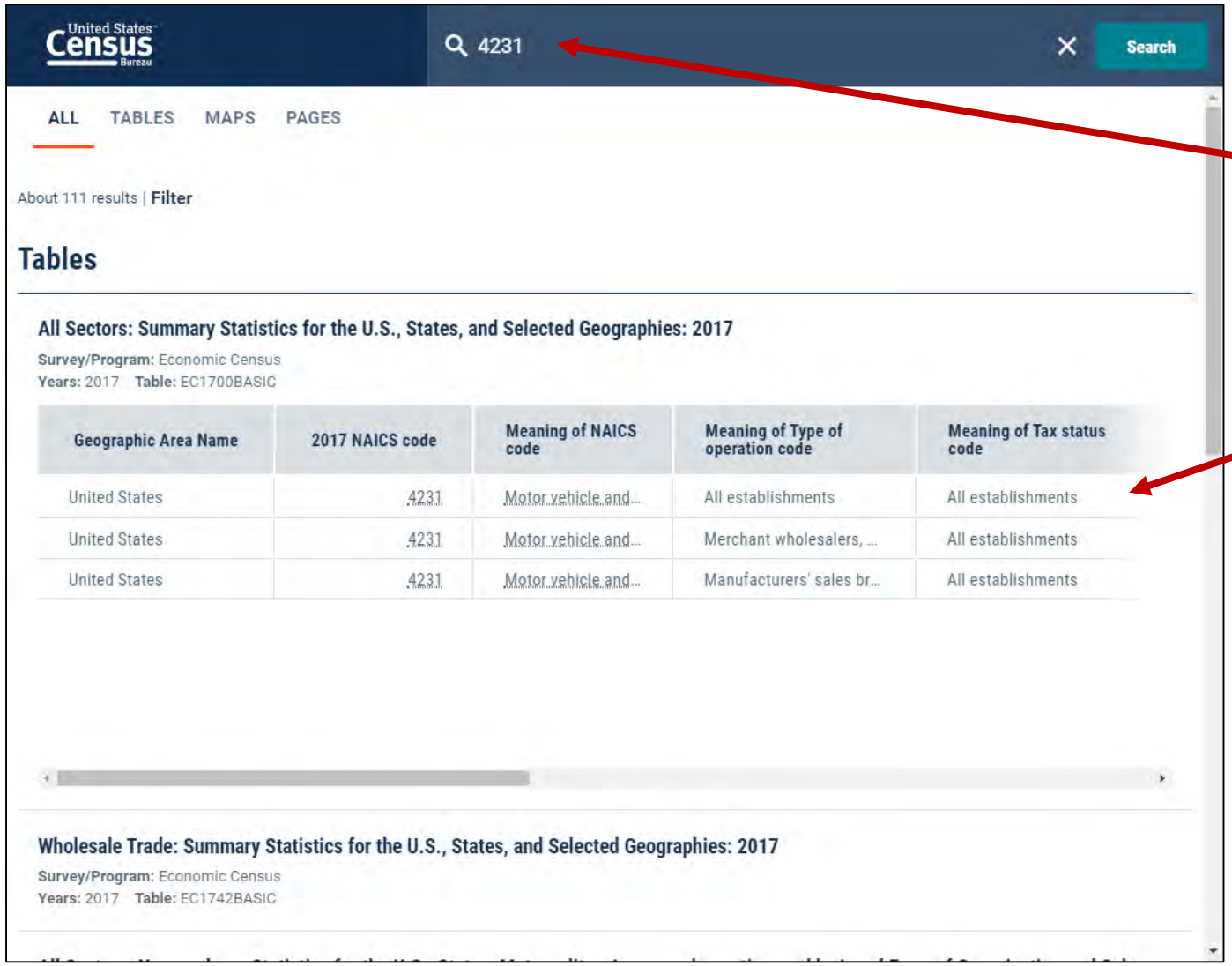


Using the single search bar

- Type NS1700NONEMP **in the single search**
- View the table result

✍ Exercise 1c: All tables for NAICS 4231

Answer: Type 4231 in the single search



Using the single search bar

- Type 4231 **in the single search**
- View the table results

✍ Exercise 1d: B19013 for all counties in Delaware

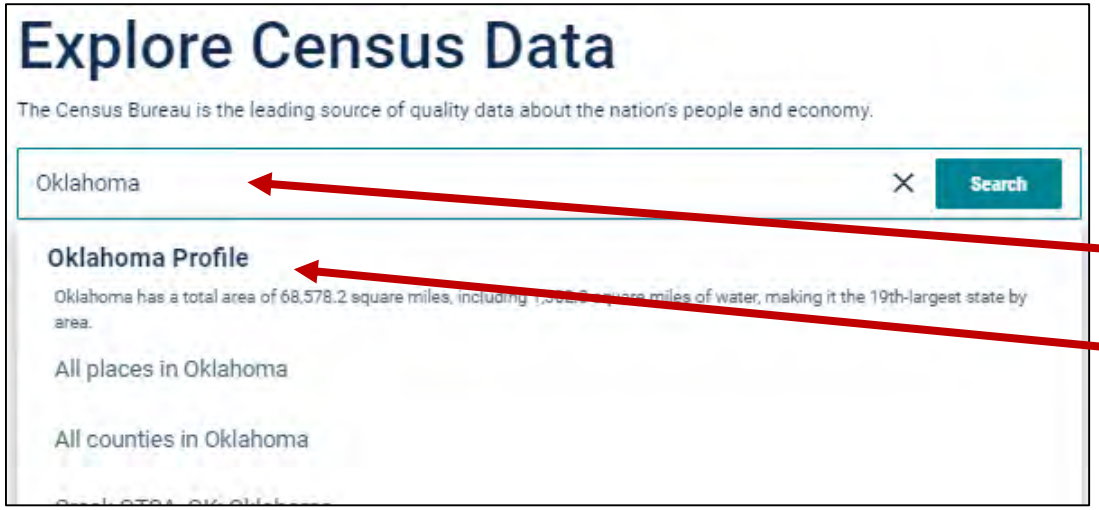
Answer: Type B19013 for all counties in Delaware in the single search

Using the single search bar

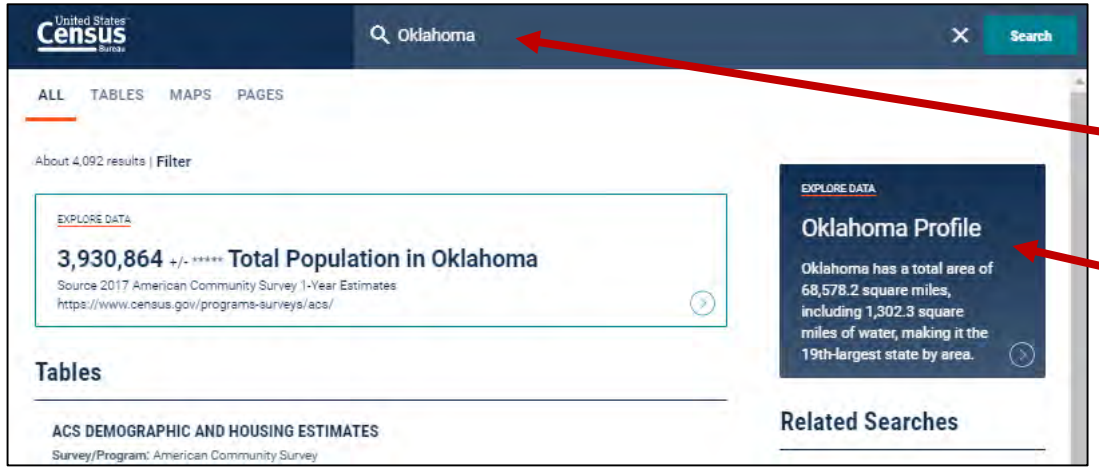
- Type B19013 all counties in Delaware **in the single search**
- View the table results

✍ Exercise 1e: Geography Profile for Oklahoma

Single Search:



All Results Page:



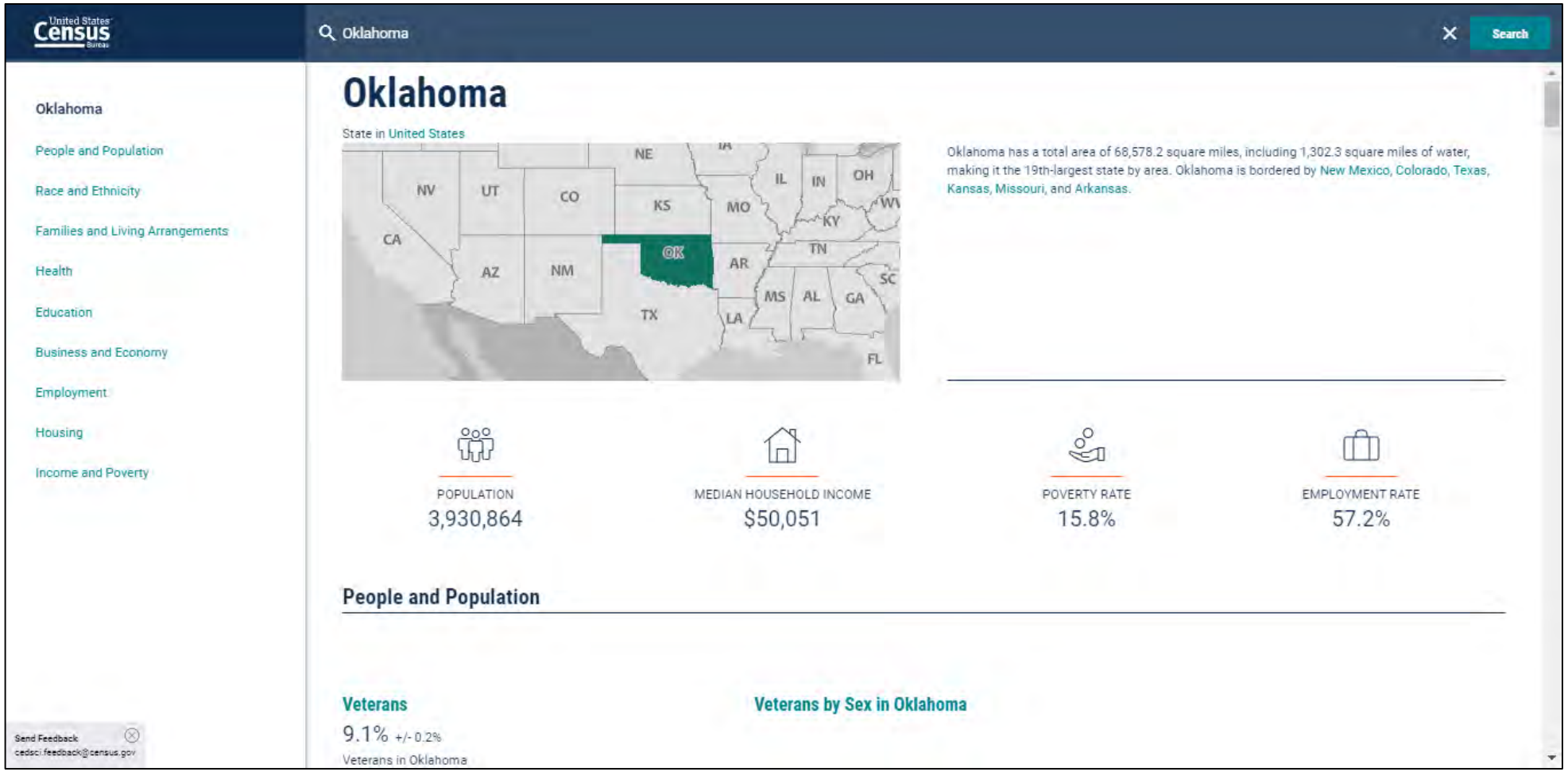
Two Ways to access the Geography Profile for Oklahoma

1. **The Single Search Bar**
   - Type Oklahoma in the single search bar
   - Click “Oklahoma Profile”

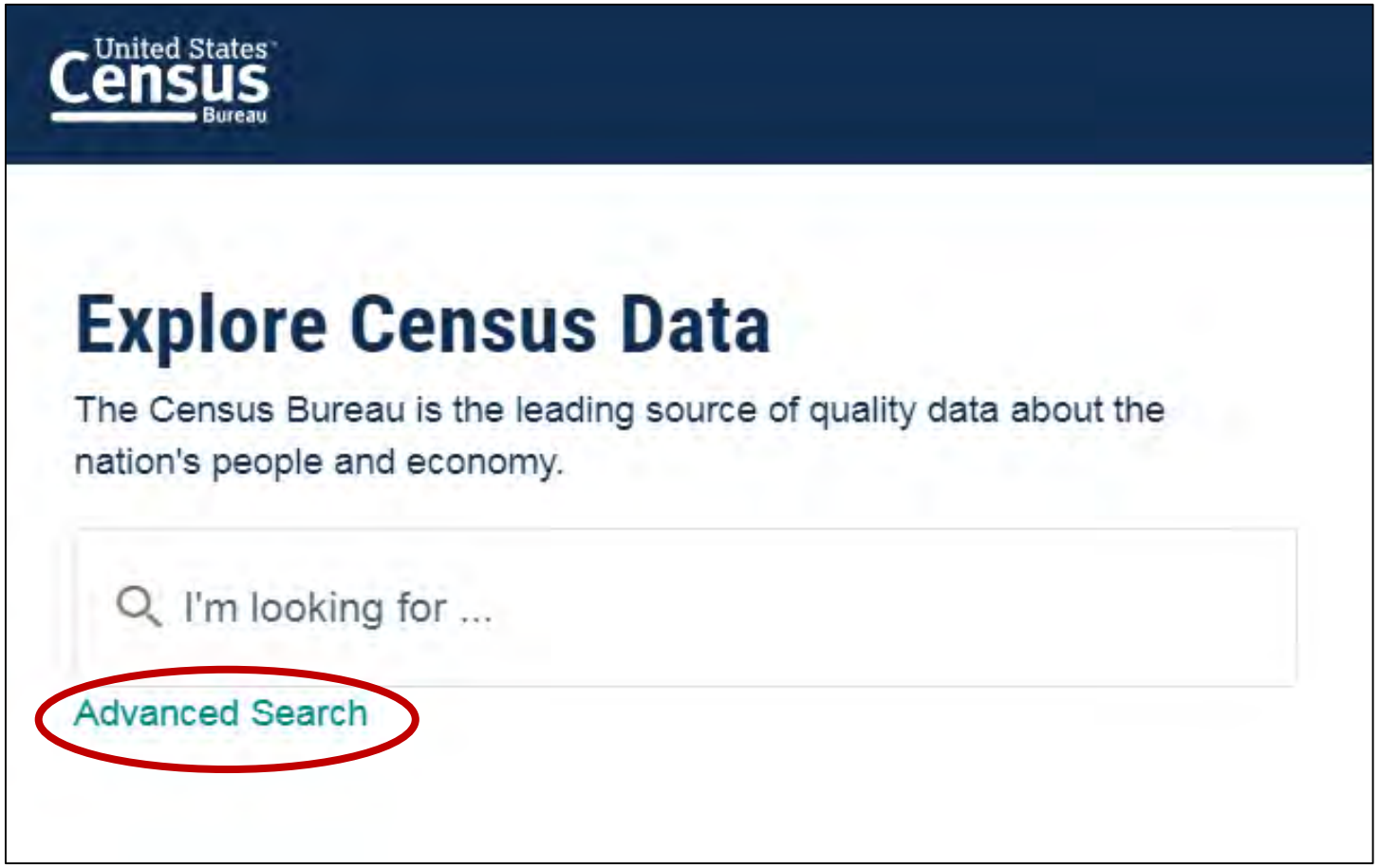
2. **The All Results Page**
   - Type Oklahoma in the single search or use the advanced search filters
   - On the right hand side of the screen under “Explore Data”, click “Oklahoma Profile”

✍ Exercise 1e: Geography Profile for Oklahoma

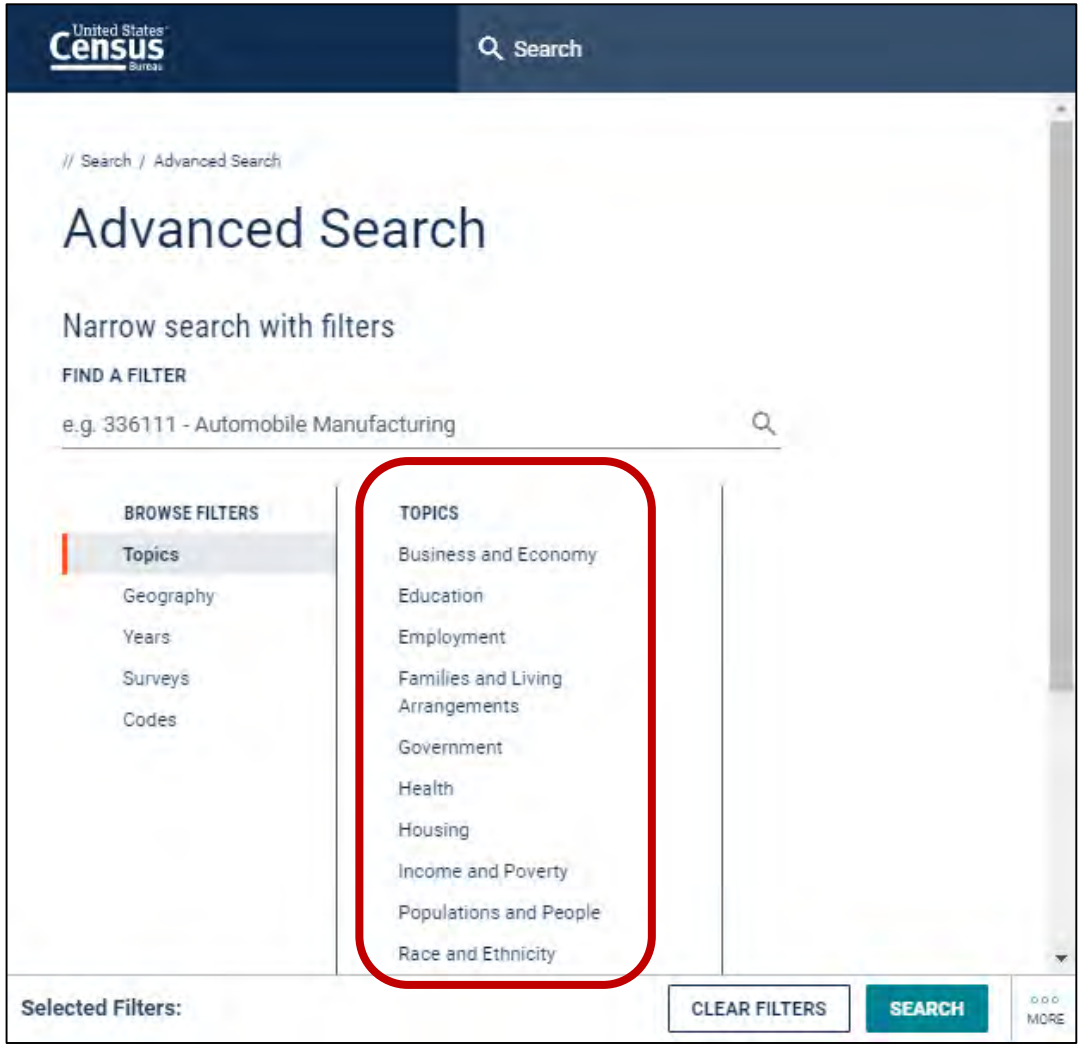
Geography Profile for Oklahoma



Advanced Search



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 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

FAQ: How do I get started with my search

ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5510

✍ Exercise 2: Advanced Search

- What are the median earnings in 2017 for people living in:
  - Utah
  - Salt Lake City, Utah
  - Salt Lake County, Utah
  - Salt Lake City, Utah Metro Area?

- Using data from the 2012 Economic Census, what are the number of real estate establishments (NAICS Code 531) for these counties in Maryland –
  - Prince Georges County
  - Anne Arundel County
  - Charles County

✍ Exercise 2: Advanced Search

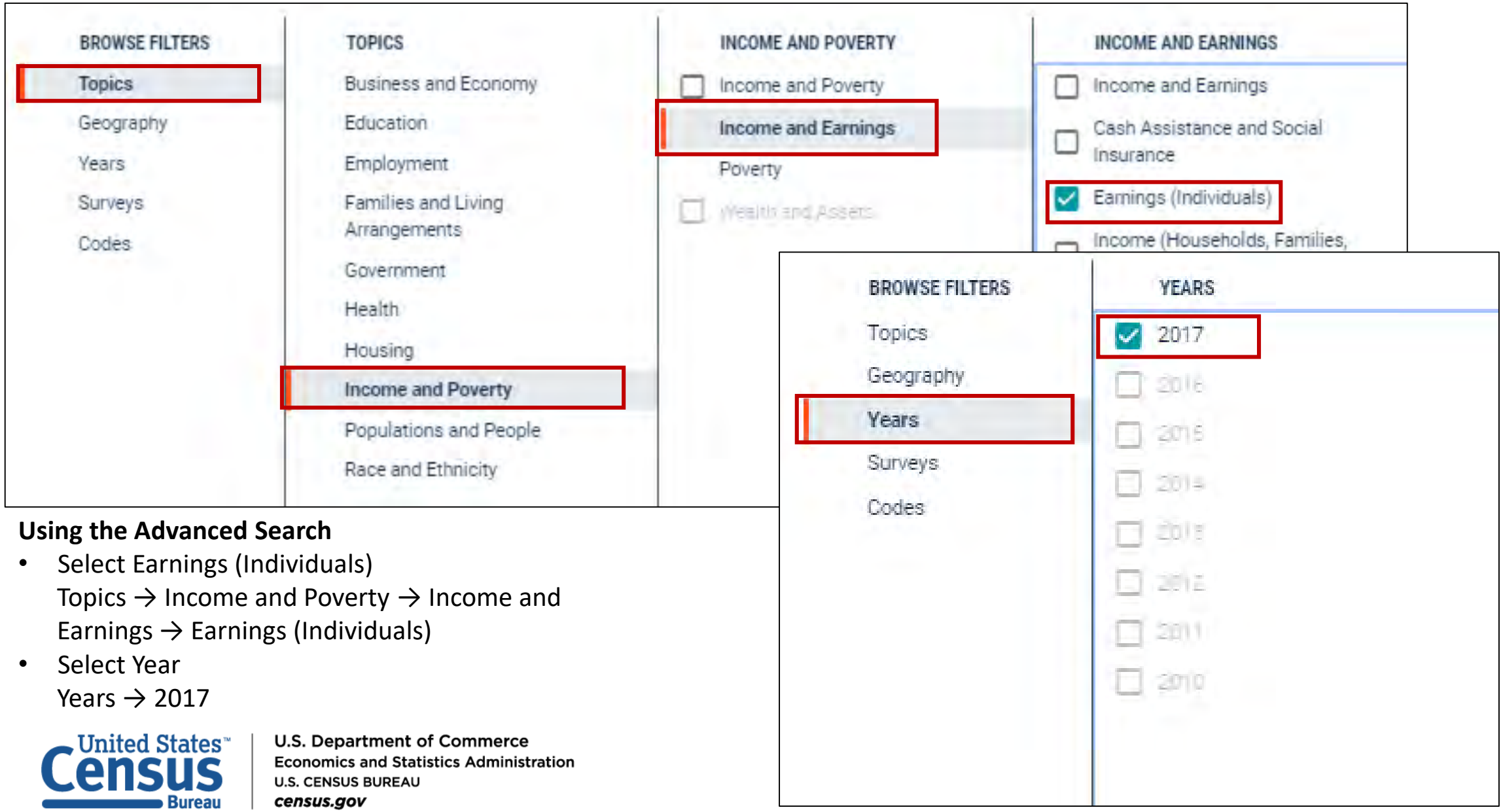
- What are the median earnings in 2017 for people living in:
  - Utah
  - Salt Lake City, Utah
  - Salt Lake County, Utah
  - Salt Lake City, Utah Metro Area? **View table S2001**

- Using data from the 2012 Economic Census, what are the number of real estate establishments (NAICS Code 531) for these counties in Maryland –
  - Prince Georges County: **484**
  - Anne Arundel County: **471**
  - Charles County: **88**

✍ Exercise 2a: Median earnings

Use the Advanced Search

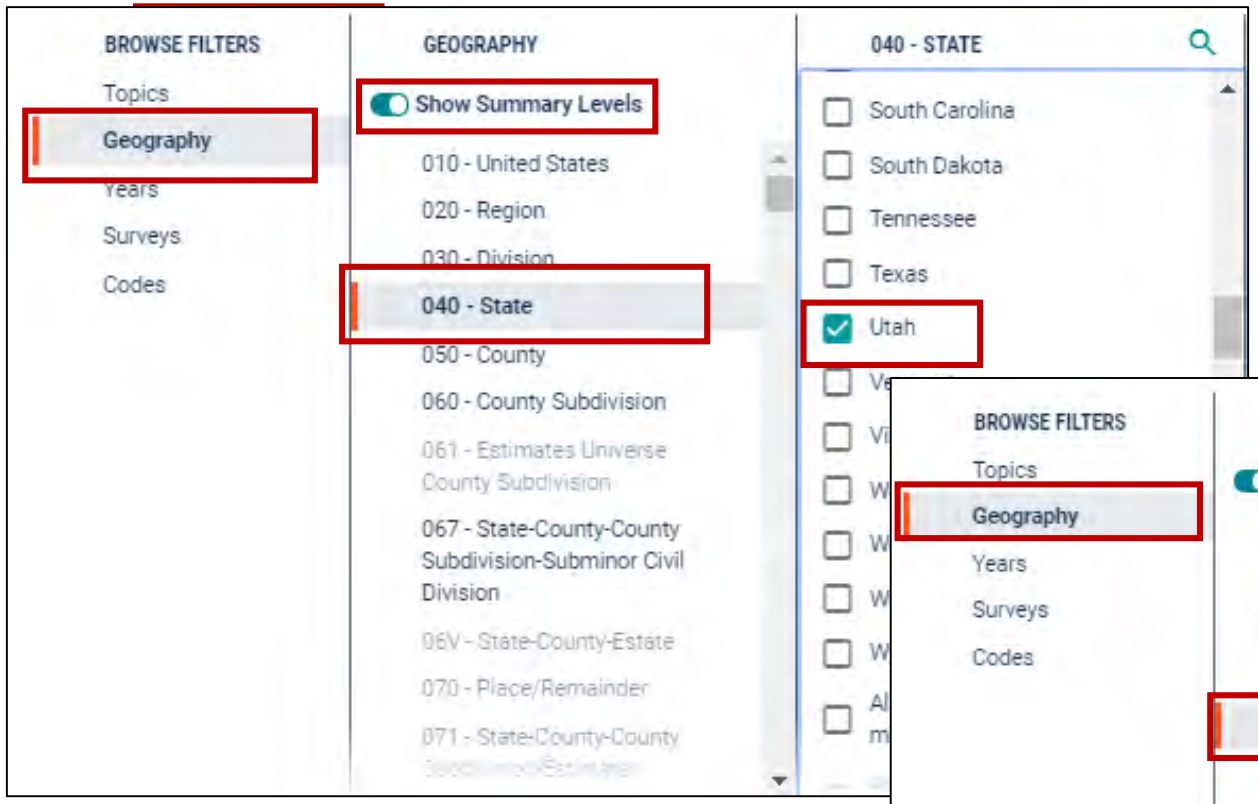
✍ Exercise 2a: Median earnings



Using the Advanced Search

- Select Earnings (Individuals)
  Topics → Income and Poverty → Income and Earnings → Earnings (Individuals)
- Select Year
  Years → 2017

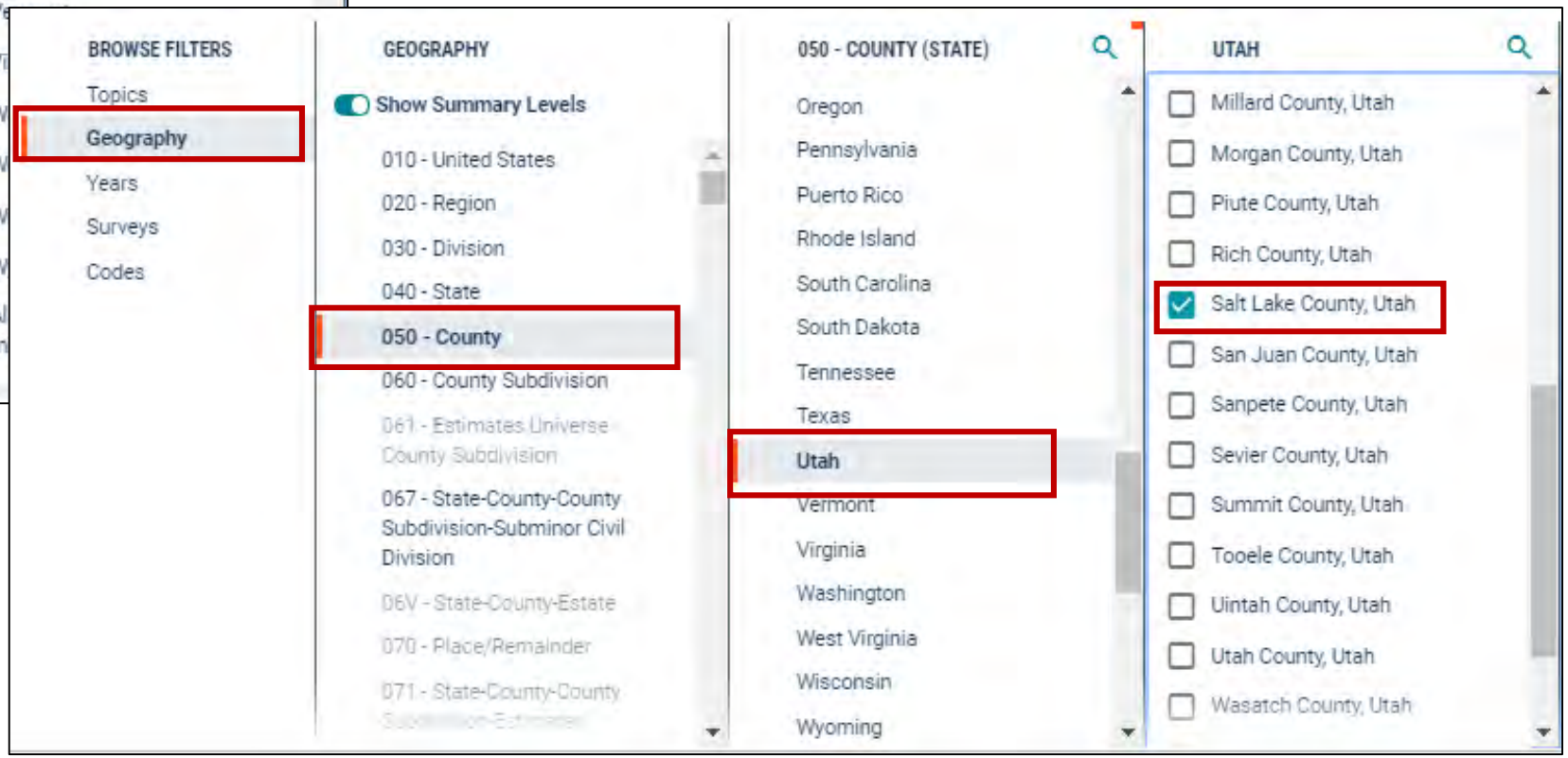
✍ Exercise 2a: Median earnings



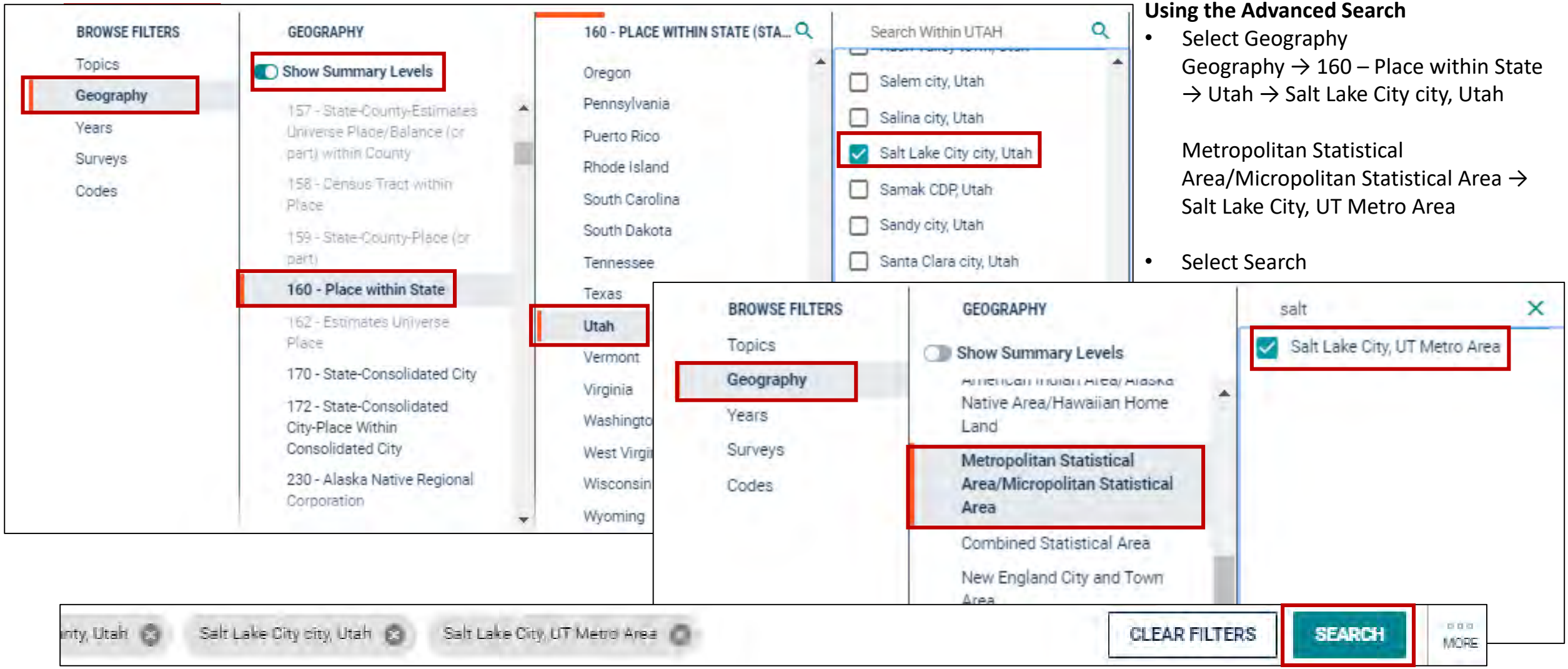
Using the Advanced Search

- Select Geography
  Geography → 040 – State → Utah

  050 – County → Utah → Salt Lake County, Utah



✍ Exercise 2a: Median earnings



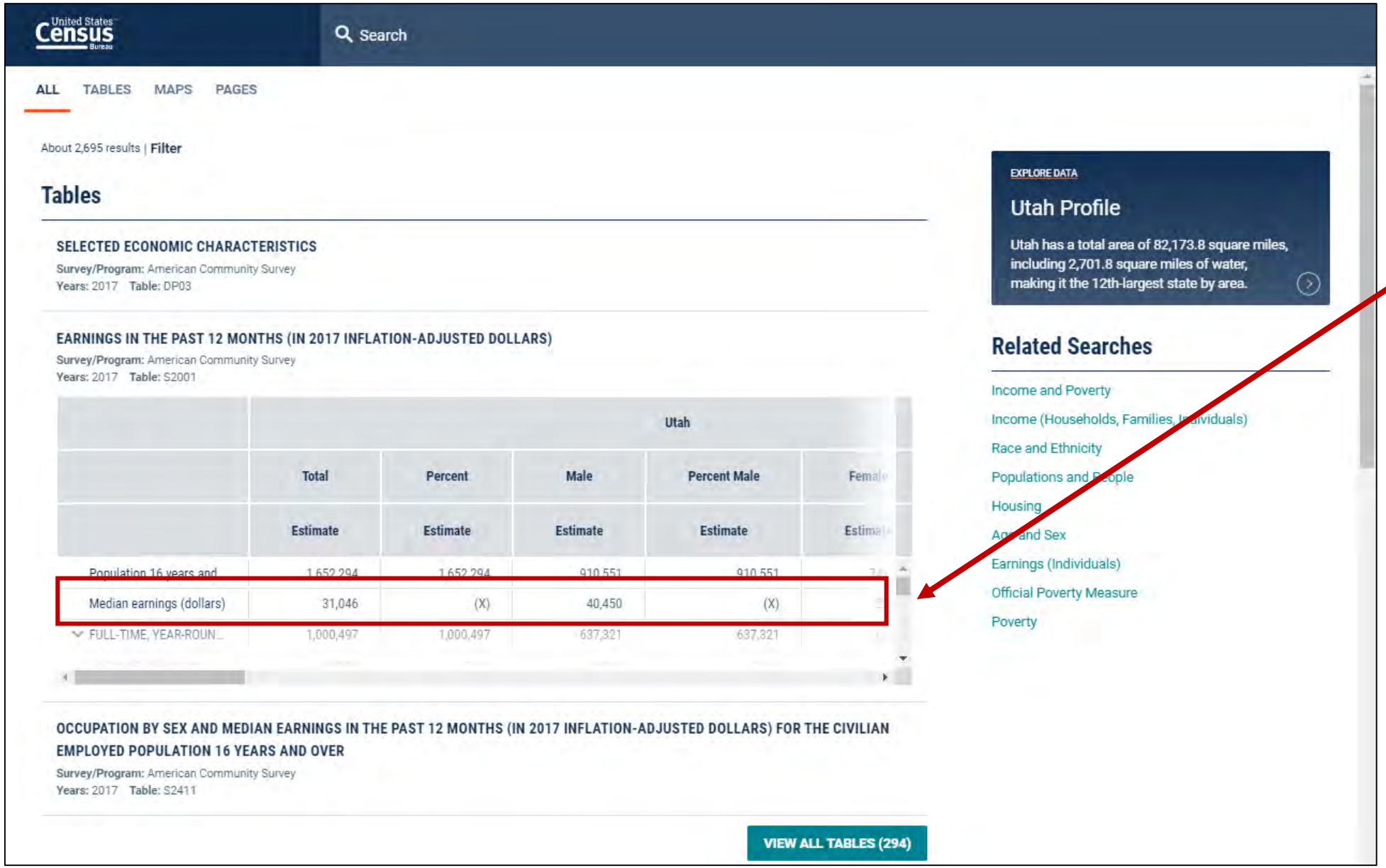
Using the Advanced Search

- Select Geography
  Geography → 160 – Place within State → Utah → Salt Lake City city, Utah

  Metropolitan Statistical Area/Micropolitan Statistical Area → Salt Lake City, UT Metro Area

- Select Search

✍ Exercise 2a: Median earnings



Using the Advanced Search

- Click on table S2001

✍ Exercise 2a: Median earnings

United States Census Bureau

Search

// Search / Tables / S2001

EARNINGS IN THE PAST 12 MONTHS (IN 2017 INFLATION-ADJUSTED DOLLARS)

Survey/Program: American Community Survey **TableID:** S2001 **Product:** 2017: ACS 1-Year Estimates Subject Tables

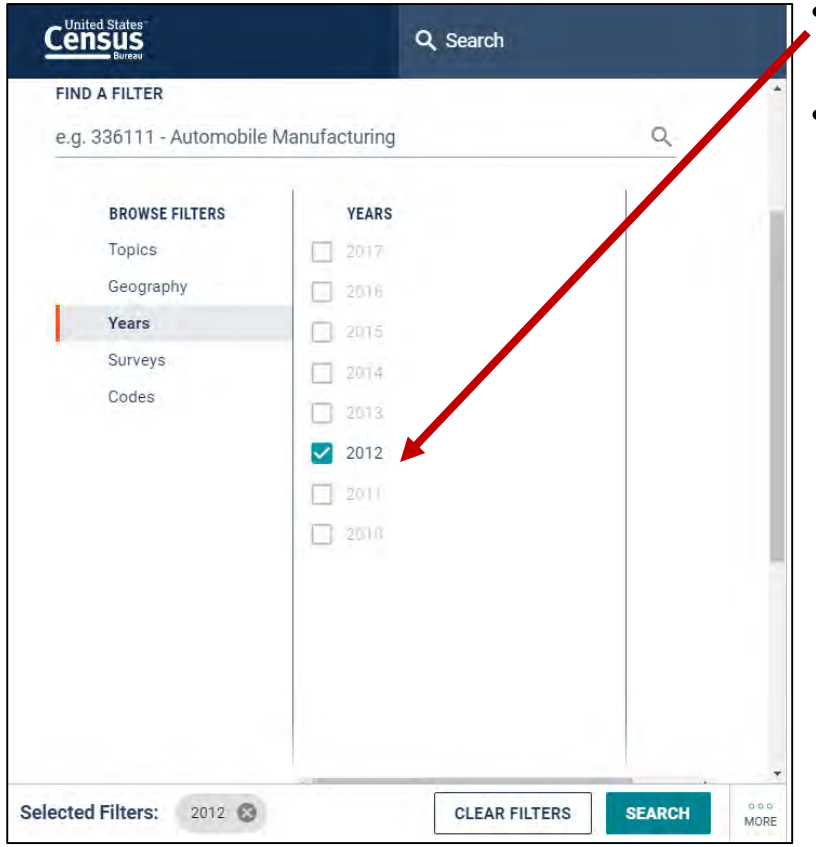
Data Notes | 4 Geographies | 1 Year | 1 Topic | Survey | Code | Hide | Filter | Sort | Transpose Table | Margin of Error | Restore Layout | Download | Print

	Utah	Salt Lake County, Utah	Salt Lake City city, Utah	Salt Lake City, UT Metro Area
	Total	Total	Total	Total
	Estimate	Estimate	Estimate	Estimate
Population 16 years and over with earnings	1,652,294	642,664	121,410	678,543
Median earnings (dollars)	31,046	33,231	31,105	33,313
FULL-TIME, YEAR-ROUND WORKERS WITH EARNINGS	1,000,497	412,341	76,907	436,694
$1 to $9,999 or loss	15,119	5,258	1,141	5,766
$10,000 to $14,999	27,618	11,247	2,749	11,764
$15,000 to $24,999	118,077	44,284	11,151	47,092
$25,000 to $34,999	171,788	73,489	13,900	77,135
$35,000 to $49,999	204,558	86,053	14,922	91,503

Using the Advanced Search

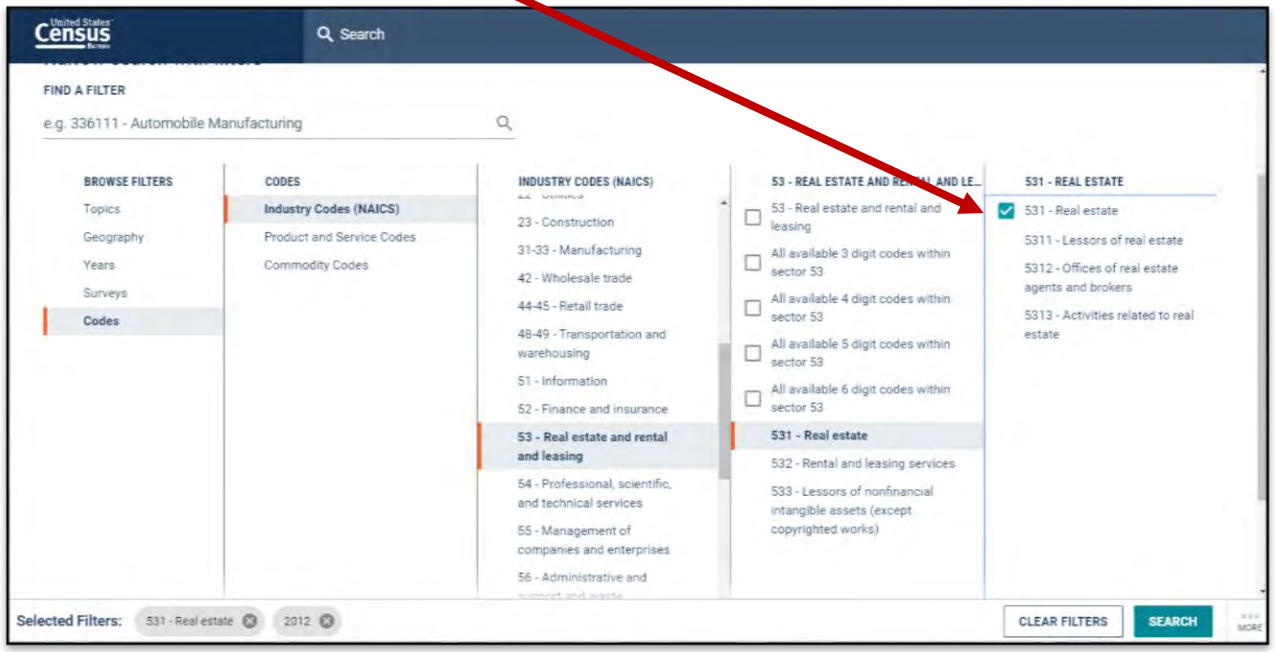
- View table S2001

✍ Exercise 2c: Using data from the 2012 Economic Census, what are the number of real estate establishments (NAICS Code 531) for these counties in Maryland – Anne Arundel County, Charles County, Prince Georges County?

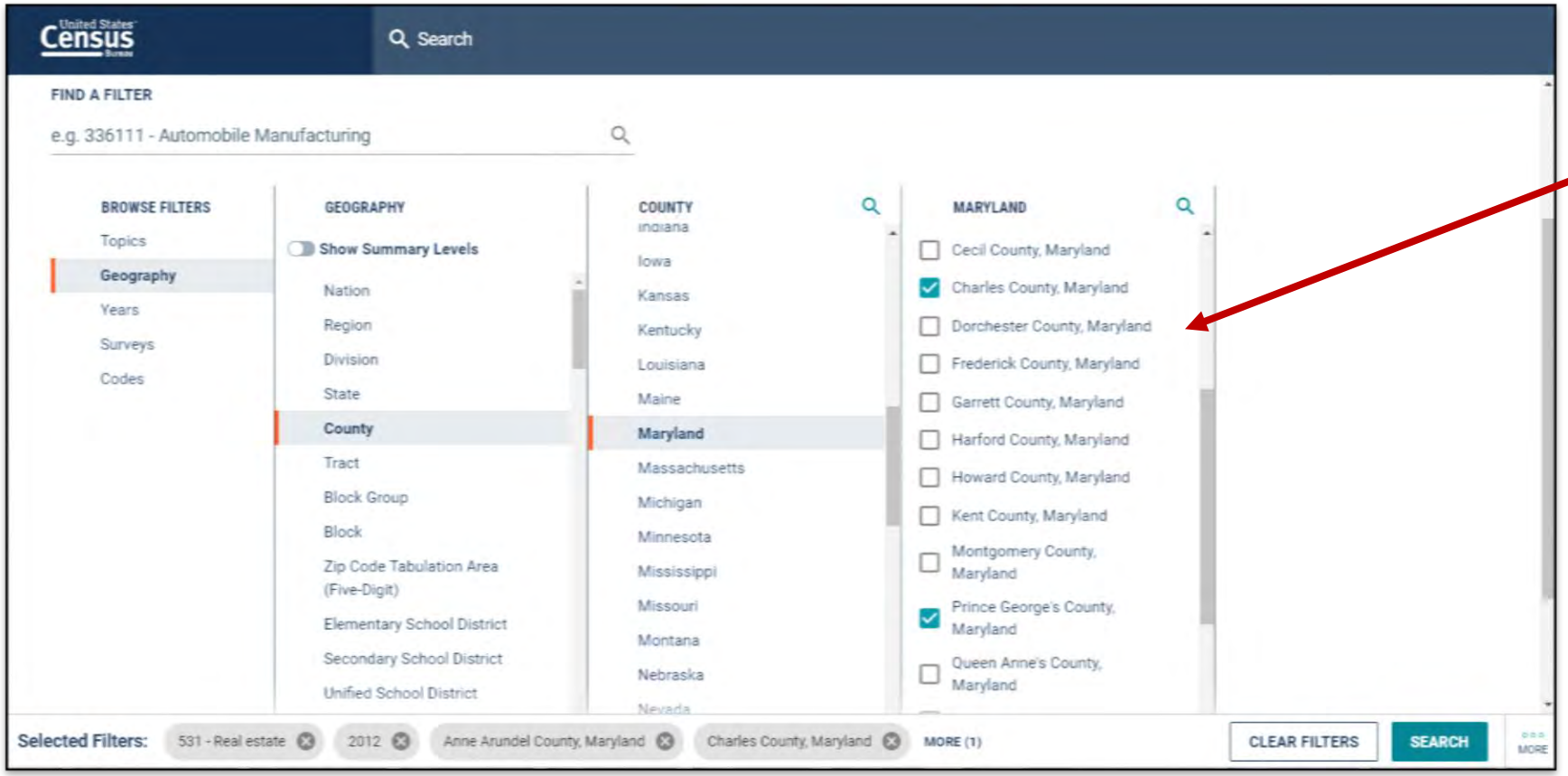


Using the Advanced Search

- Select the Year 2012
  Years → 2012
- Select NAICS Code 531
  Codes → Industry Codes (NAICS)
  → 53-Real estate and rental and leasing → 531-Real estate
  → Check the box for 531-Real estate



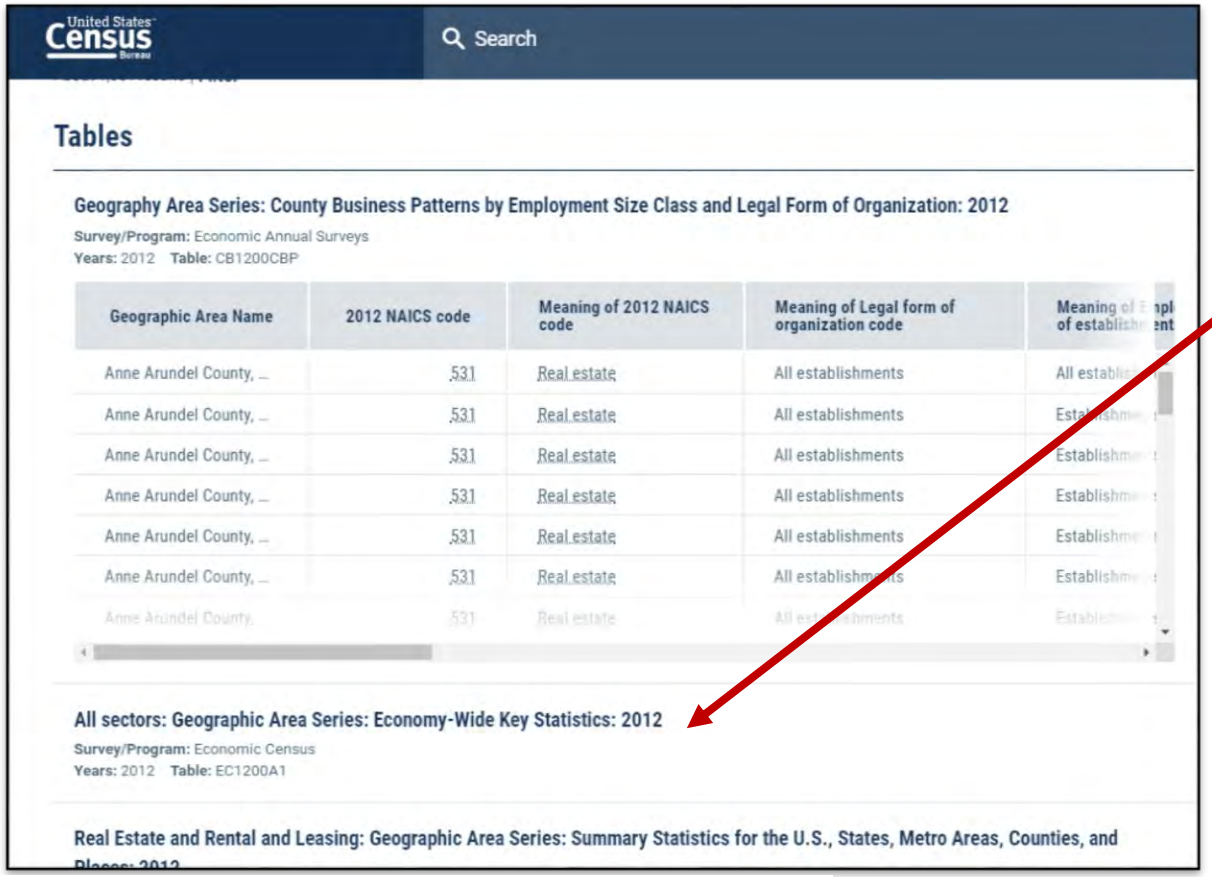
✍ Exercise 2c: Using data from the 2012 Economic Census, what are the number of real estate establishments (NAICS Code 531) for these counties in Maryland – Anne Arundel County, Charles County, Prince Georges County?



Using the Advanced Search, select the three counties in Maryland

Geography → County (with summary level toggle turned off)
→ Maryland →
Anne Arundel County, Maryland
Charles County, Maryland
Prince George's County, Maryland

✍ Exercise 2c: Using data from the 2012 Economic Census, what are the number of real estate establishments (NAICS Code 531) for these counties in Maryland – Anne Arundel County, Charles County, and Prince Georges County?



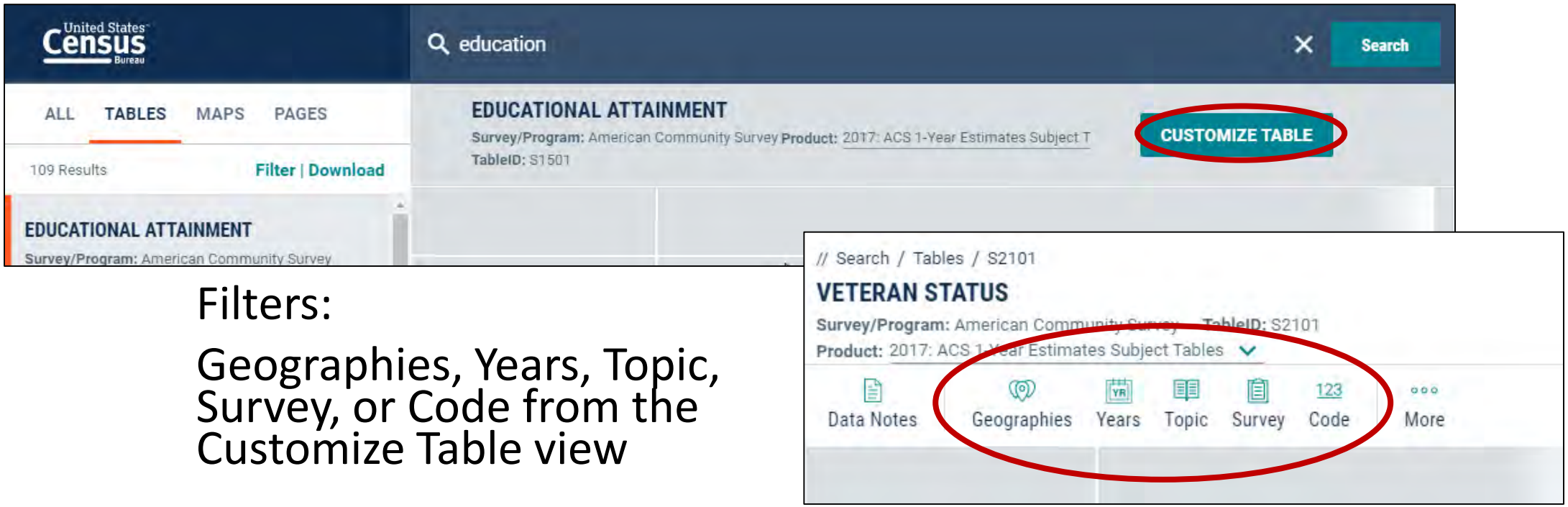
Select the second table in the results, Economic Census table **EC1200A1**.

✍ Exercise 2c: Using data from the 2012 Economic Census, what are the number of real estate establishments (NAICS Code 531) for these counties in Maryland – Anne Arundel County, Charles County, and Prince Georges County?

Answer:
Anne Arundel County, MD: 471
Charles County, MD: 88
Prince George's County, MD: 484

Customizing Your Table View

Look for the **Customize Table** button in the upper right corner of your screen in the table view to access the full set of options to customize your table.



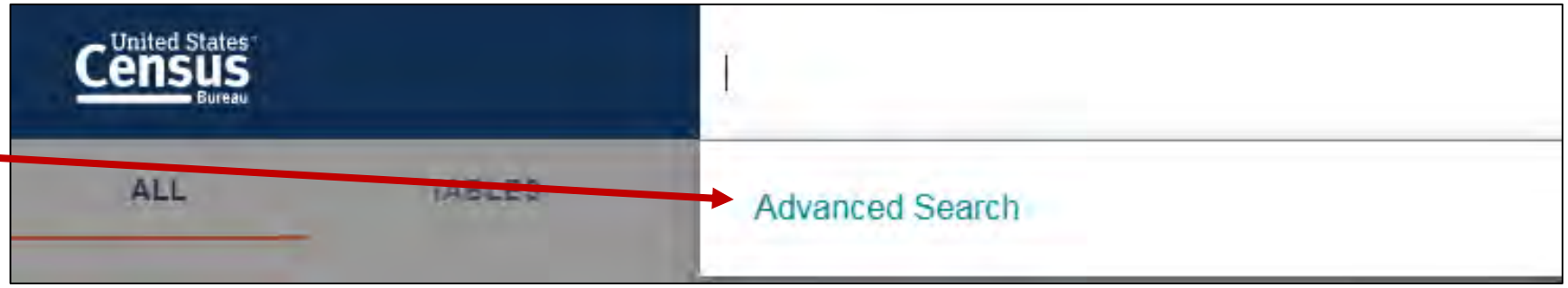
Filters:

Geographies, Years, Topic, Survey, or Code from the Customize Table view

Editing Your Search Filters

Filters:

- Advanced Search



- Filters link located in the table/map results page

✍ Exercise 3 – Customizing Your Table View

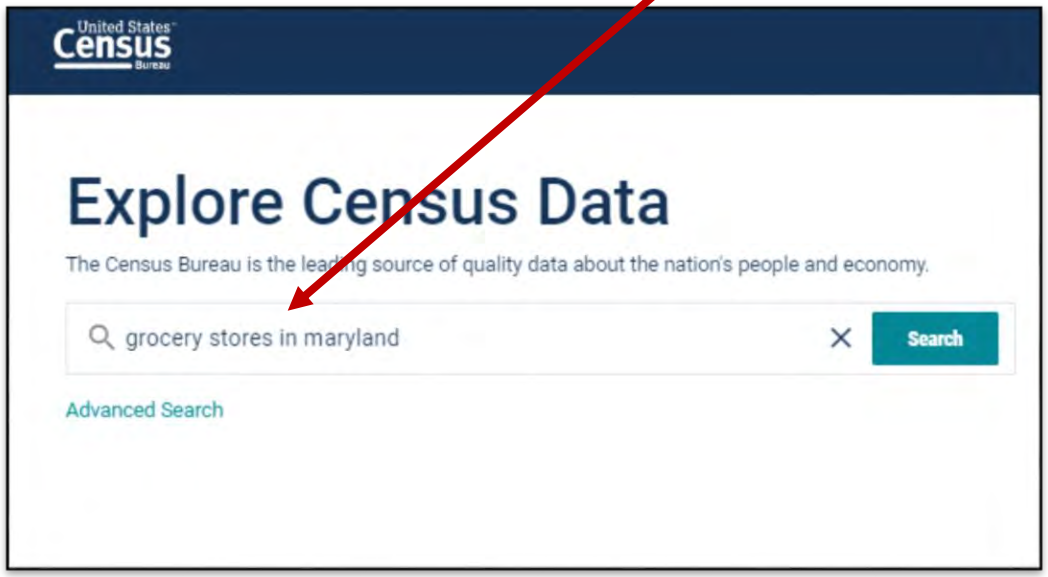
- Using the ACS 1-Year Data Profiles, what is the percentage of people without health insurance in Michigan?
  - Where is the URL to share a link to the table?
  - How can we edit our table view to show percent and percent MOE columns only?
  - How can you add all states to your table
  - How can we copy and paste cells from this table into Excel?
  - How can we export the table into Excel?

✍ Exercise 3 – Customizing Your Table View

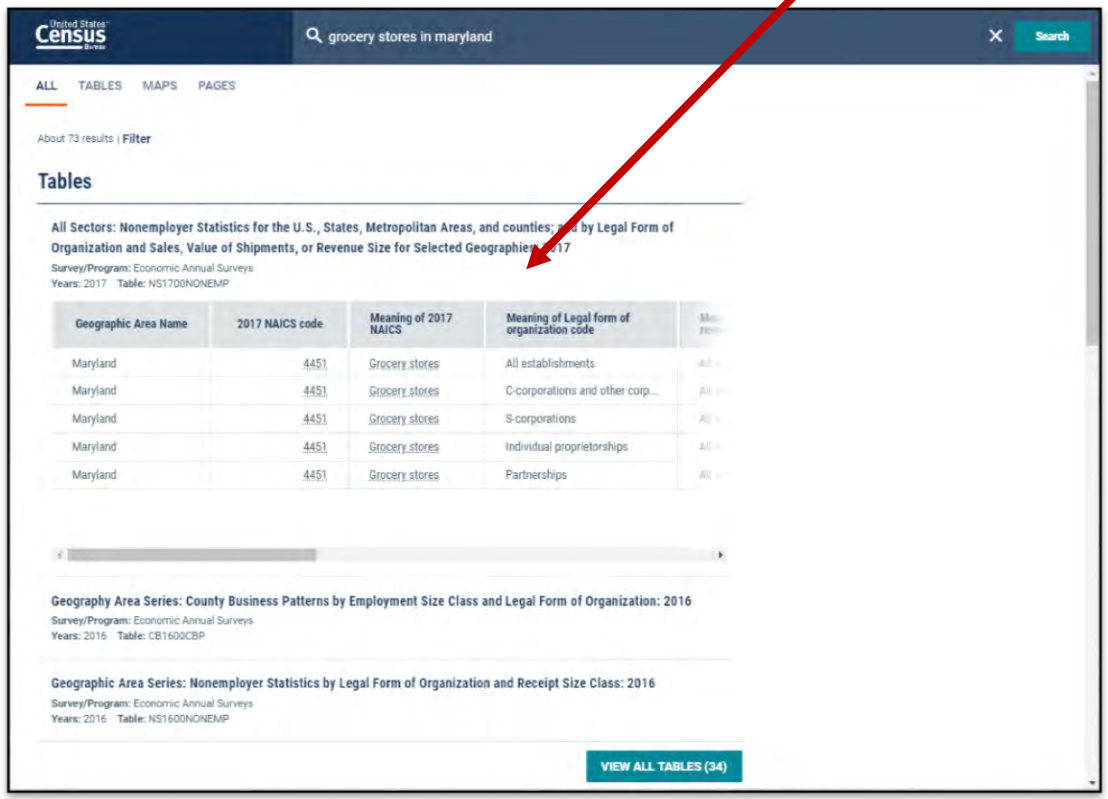
- Using 2017 Nonemployer Statistics, how many nonemployer grocery stores are there in Maryland? **629**
  - How can we copy and paste cells from this table into Excel? **Highlight cells, right-click on the highlighted cells, select 'Copy cells' from the menu**
  - How can we export the table into Excel? **Right-click on the table, select 'Export Table' from the menu, and select to export to Excel**
  - How can we edit the table to include all counties in Maryland? **Using the Geography filter in the Advanced Filters, select County → Maryland → All counties in Maryland**
  - How can we edit the table to include those counties with more than 50 nonemployer grocery stores? **Create a custom filter using the Filter option in the Advanced Filters menu.**
- Using the ACS 1-Year Data Profiles, what is the percentage of people without health insurance in Macomb County, MI? 5.2 **%**
  - Where is the URL to share a link to the table? **At the top of the page, in the search bar**
  - How can we edit our table view to show percent and percent MOE columns only? **Use the Hide option in the Advanced Filters menu.**

✍ Exercise 3a: Using 2017 Nonemployer Statistics, how many nonemployer grocery stores are there in Maryland?

Using the single search
Search for grocery stores in Maryland



Select the first table in the results, 2017 Nonemployer Statistics

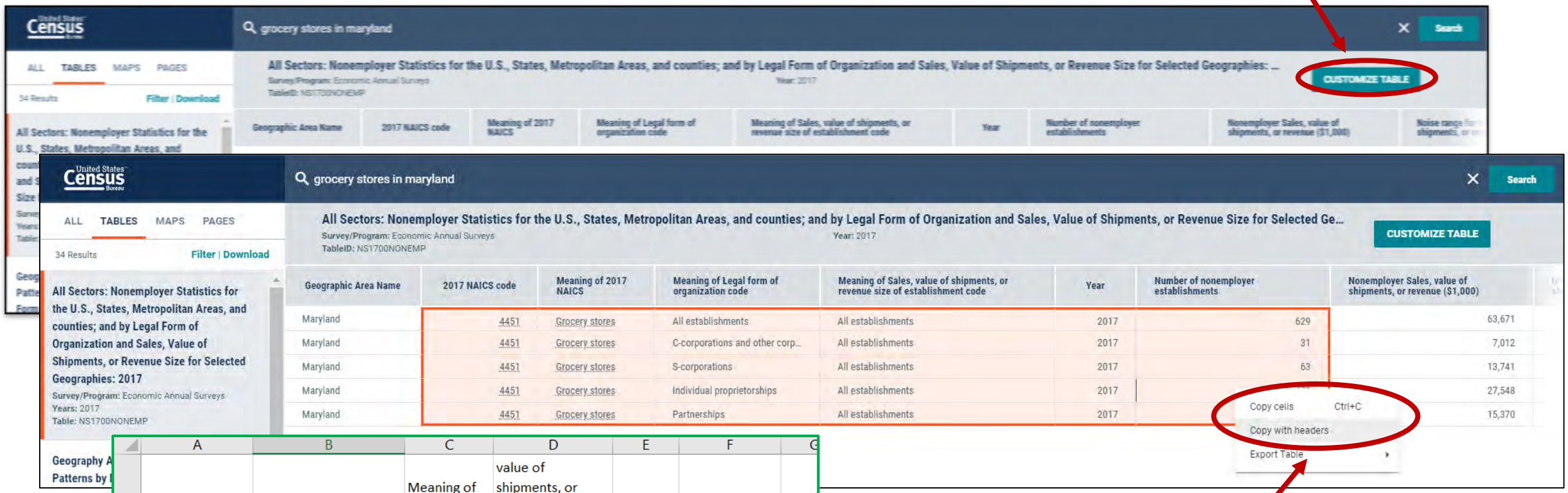


✍ Exercise 3a: Using 2017 Nonemployer Statistics, how many nonemployer grocery stores are there in Maryland?

Answer: 629

✍ Exercise 3a: How can we copy and paste cells from this table into Excel?

Click **CUSTOMIZE TABLE**



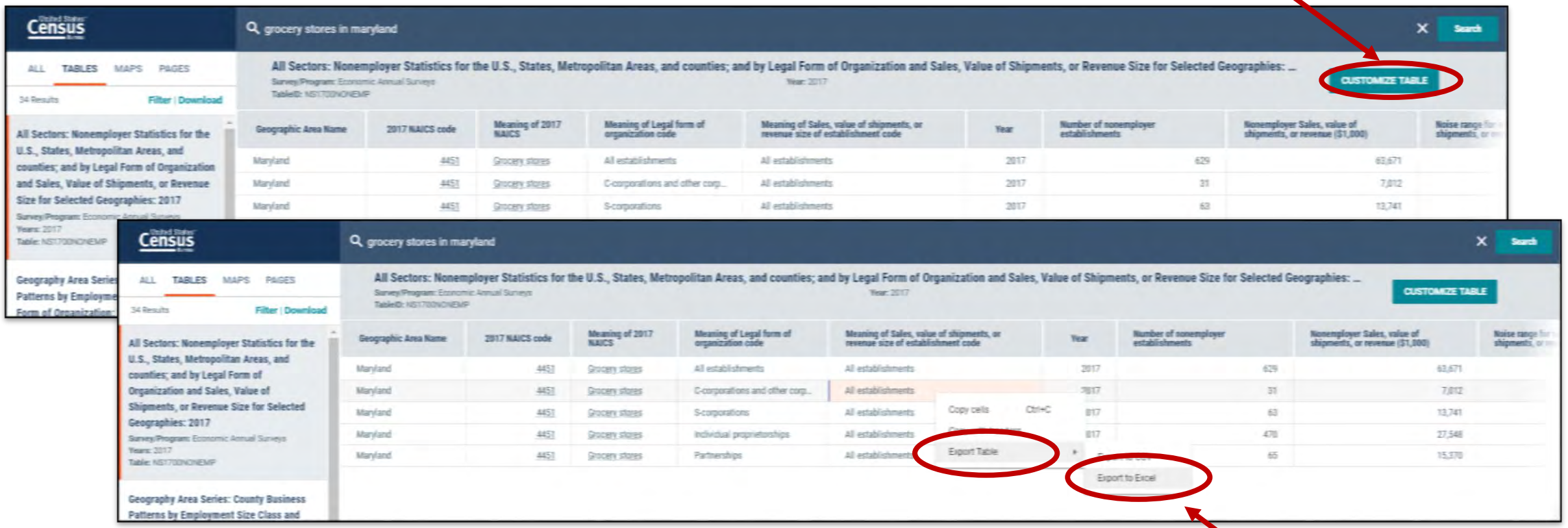
	A	B	C	D	E	F
1	2017 NAICS code	Meaning of 2017 NAICS	Meaning of Legal form of organization code	value of shipments, or revenue size of establishment code	Year	Number of nonemployer establishments
2	4451	Grocery stores	All establishme	All establishments	2017	629
3	4451	Grocery stores	C-corporation	All establishments	2017	31
4	4451	Grocery stores	S-corporation:	All establishments	2017	63
5	4451	Grocery stores	Individual pro	All establishments	2017	470
6	4451	Grocery stores	Partnerships	All establishments	2017	65
7						

Highlight the desired cells,
Right click →
Select **Copy cells or Copy cells with headers**

Paste the cells into Excel

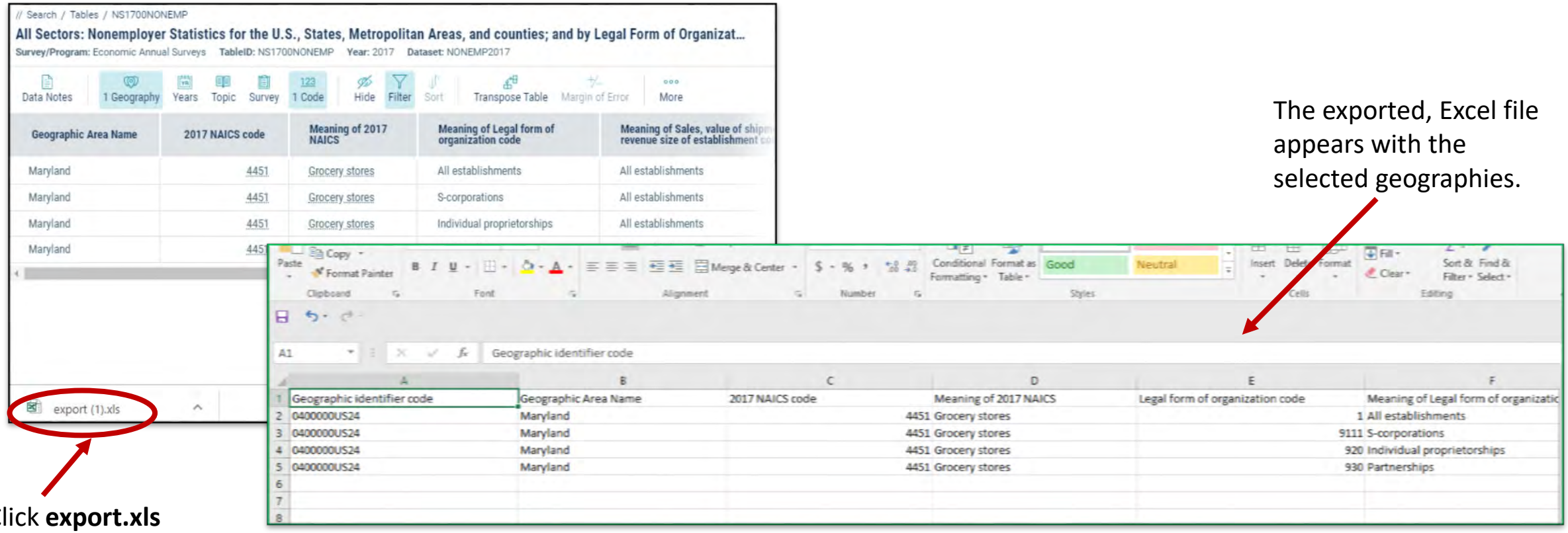
✍ Exercise 3a: How can we export the table into Excel?

Click **CUSTOMIZE TABLE**



From any table cell,
Right click →
Select **Export** →
Select **Export to Excel**

✍ Exercise 3a: How can we export the table into Excel? (continued)

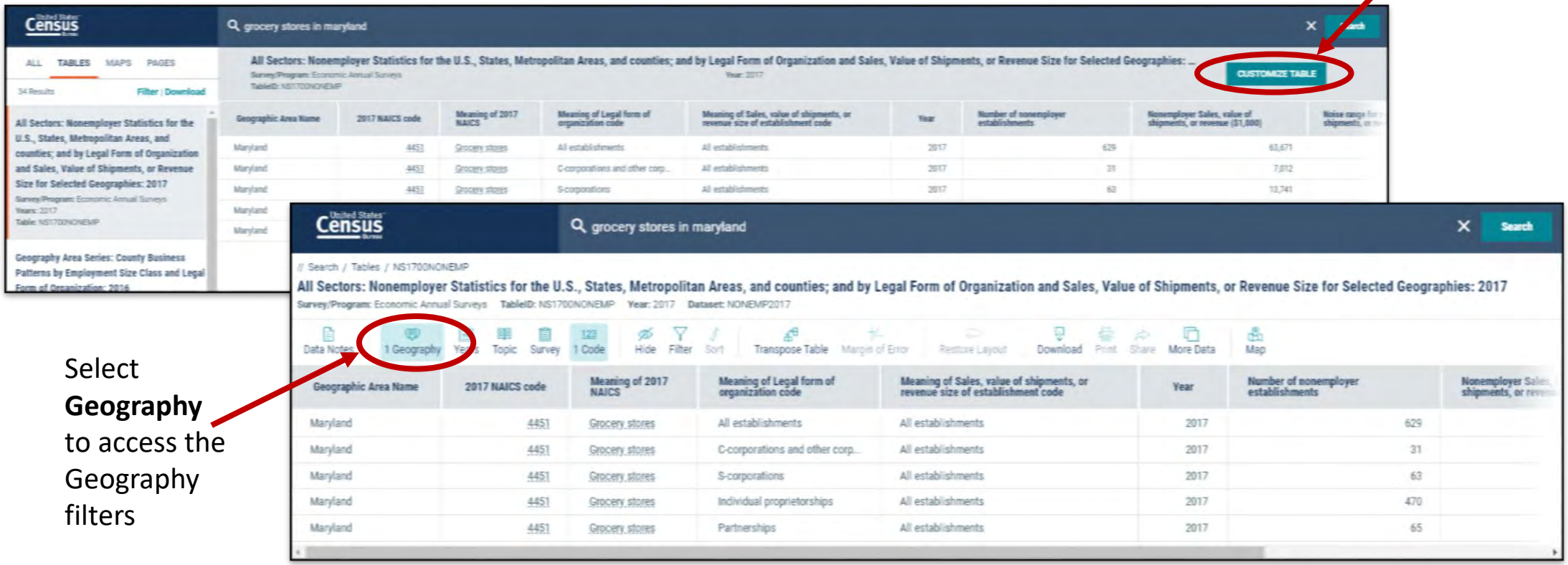


The exported, Excel file appears with the selected geographies.

Click **export.xls to view the exported file.**

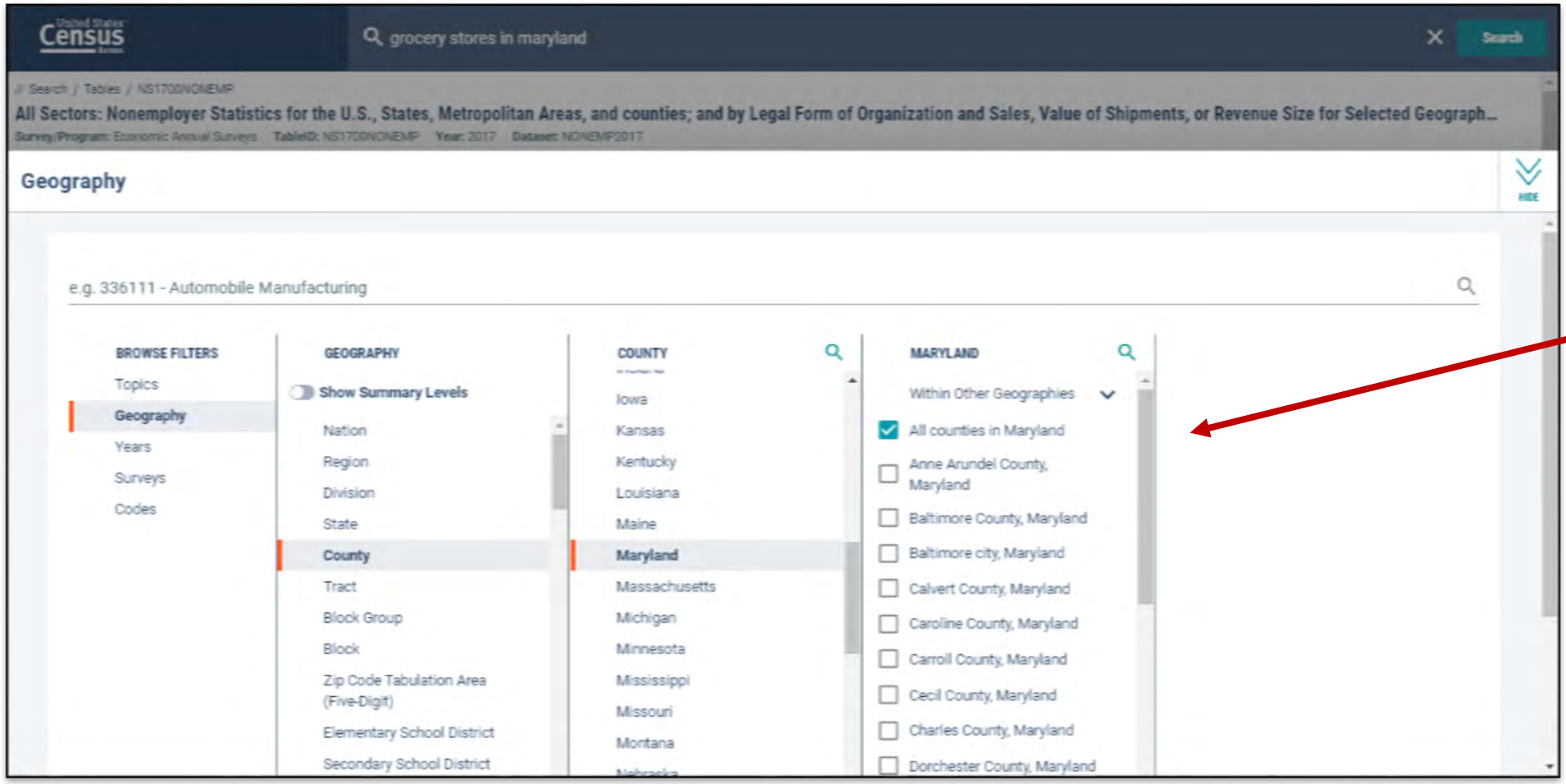
✍ Exercise 3a: How can we edit the table to include all counties in Maryland?

Click **CUSTOMIZE TABLE**



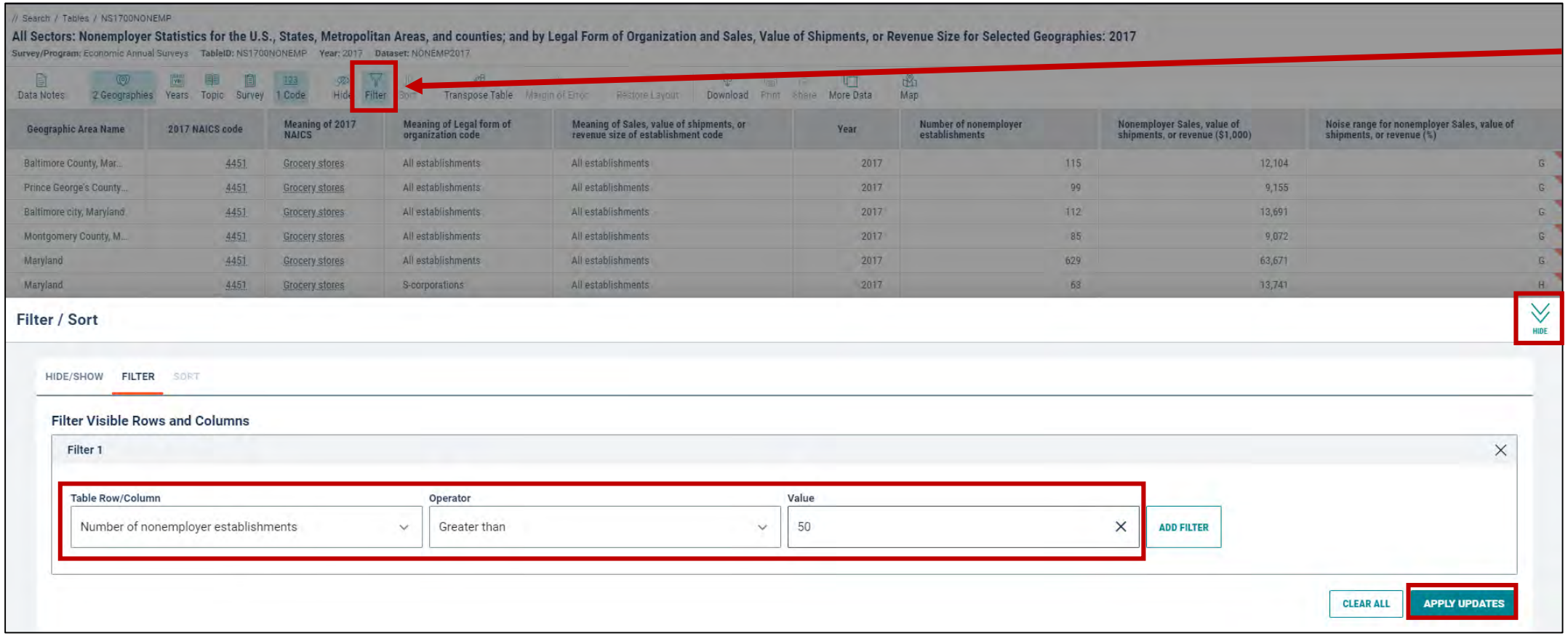
Select **Geography** to access the Geography filters

✍ Exercise 3a: How can we edit the table to include all counties in Maryland? (continued)



Add Geographies: Geography → County (with summary level toggle turned off) → Maryland → **All counties in Maryland**

✍ Exercise 3a: How can we edit the table to include those counties with more than 50 nonemployer grocery stores?



Select the Filter button

Enter the following:
Table Row/Column: Number of nonemployer establishments
Operator: Greater than
Value: 50

Select APPLY UPDATES

Select the HIDE button

✍ Exercise 3a: How can we edit the table to include those counties with more than 50 nonemployer grocery stores? (continued)

The table automatically updates to display only those counties with more than 50 nonemployer grocery stores.

// Search / Tables / NS1700NONEMP

All Sectors: Nonemployer Statistics for the U.S., States, Metropolitan Areas, and counties; and by Legal Form of Organization and Sales, Value of Shipments, or Revenue Size for Selected Geographies: 2017

Survey/Program: Economic Annual Surveys **TableID:** NS1700NONEMP **Year:** 2017 **Dataset:** NONEMP2017

Data Notes | 2 Geographies | Years | Topic | Survey | 1 Code | Hide | Filter | Sort | Transpose Table | Margin of Error | Restore Layout | Download | Print | Share | More Data | Map

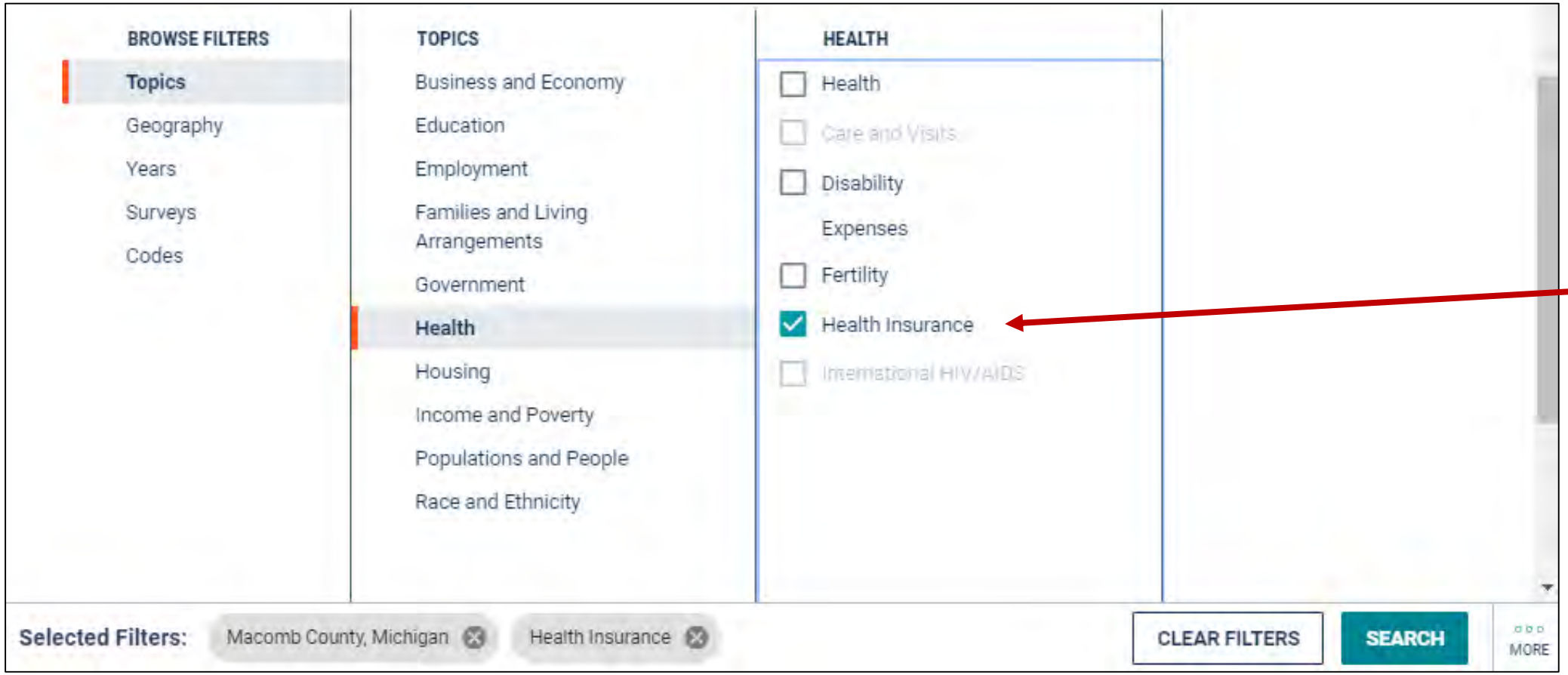
Geographic Area Name	2017 NAICS code	Meaning of 2017 NAICS	Meaning of Legal form of organization code	Meaning of Sales, value of shipments, or revenue size of establishment code	Year	Number of nonemployer establishments	Nonemployer Sales, val... shipments, or revenue
Baltimore County, Mar...	4451	Grocery stores	All establishments	All establishments	2017	115	
Prince George's County...	4451	Grocery stores	All establishments	All establishments	2017	99	
Baltimore city, Maryland	4451	Grocery stores	All establishments	All establishments	2017	112	
Montgomery County, M...	4451	Grocery stores	All establishments	All establishments	2017	85	
Maryland	4451	Grocery stores	All establishments	All establishments	2017	629	
Maryland	4451	Grocery stores	S-corporations	All establishments	2017	63	
Maryland	4451	Grocery stores	Individual proprietorships	All establishments	2017	470	
Maryland	4451	Grocery stores	Partnerships	All establishments	2017	65	

✍ Exercise 3b: Using the ACS 1-Year Data Profiles, what is the percentage of people without health insurance in Macomb County, MI?

Using the advanced search

- **Select Macomb County, MI**
  Geography → County (with summary level toggle turned off) → Michigan → **Macomb County, Michigan**

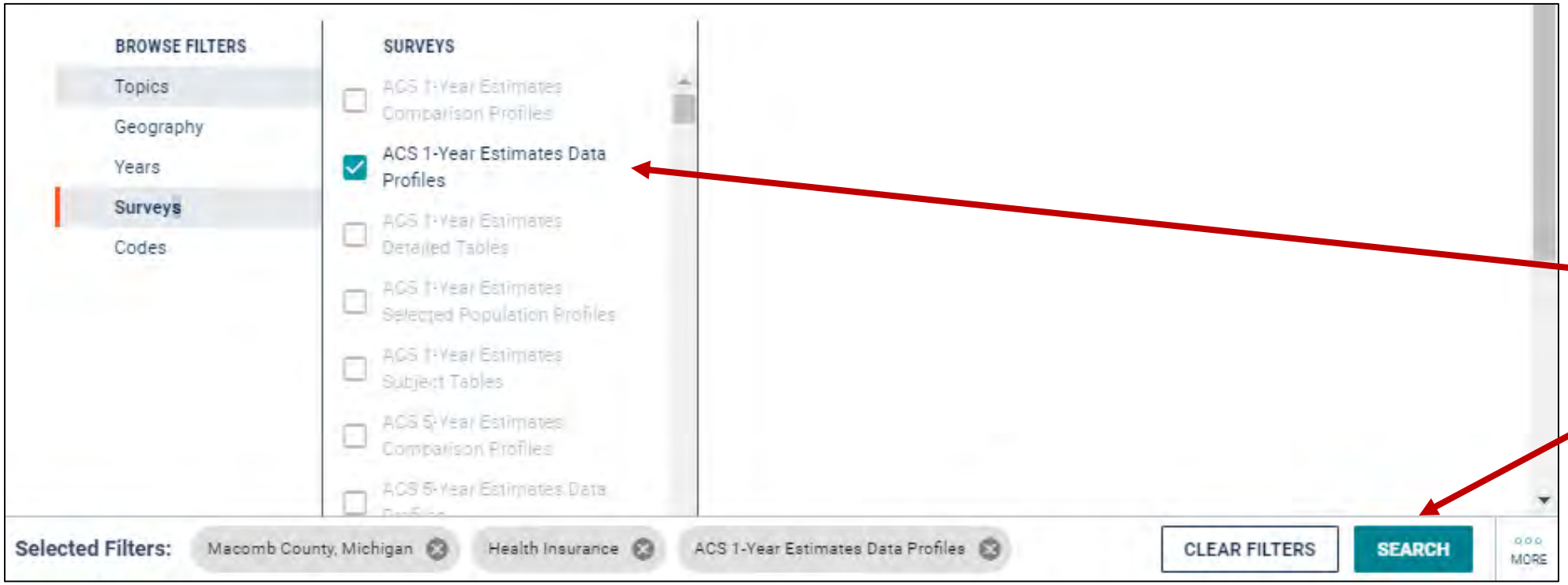
✍ Exercise 3b: Using the ACS 1-Year Data Profiles, what is the percentage of people without health insurance in Macomb County, MI?



Using the advanced search

- **Select Health Insurance**
  Topics → Health → Health Insurance

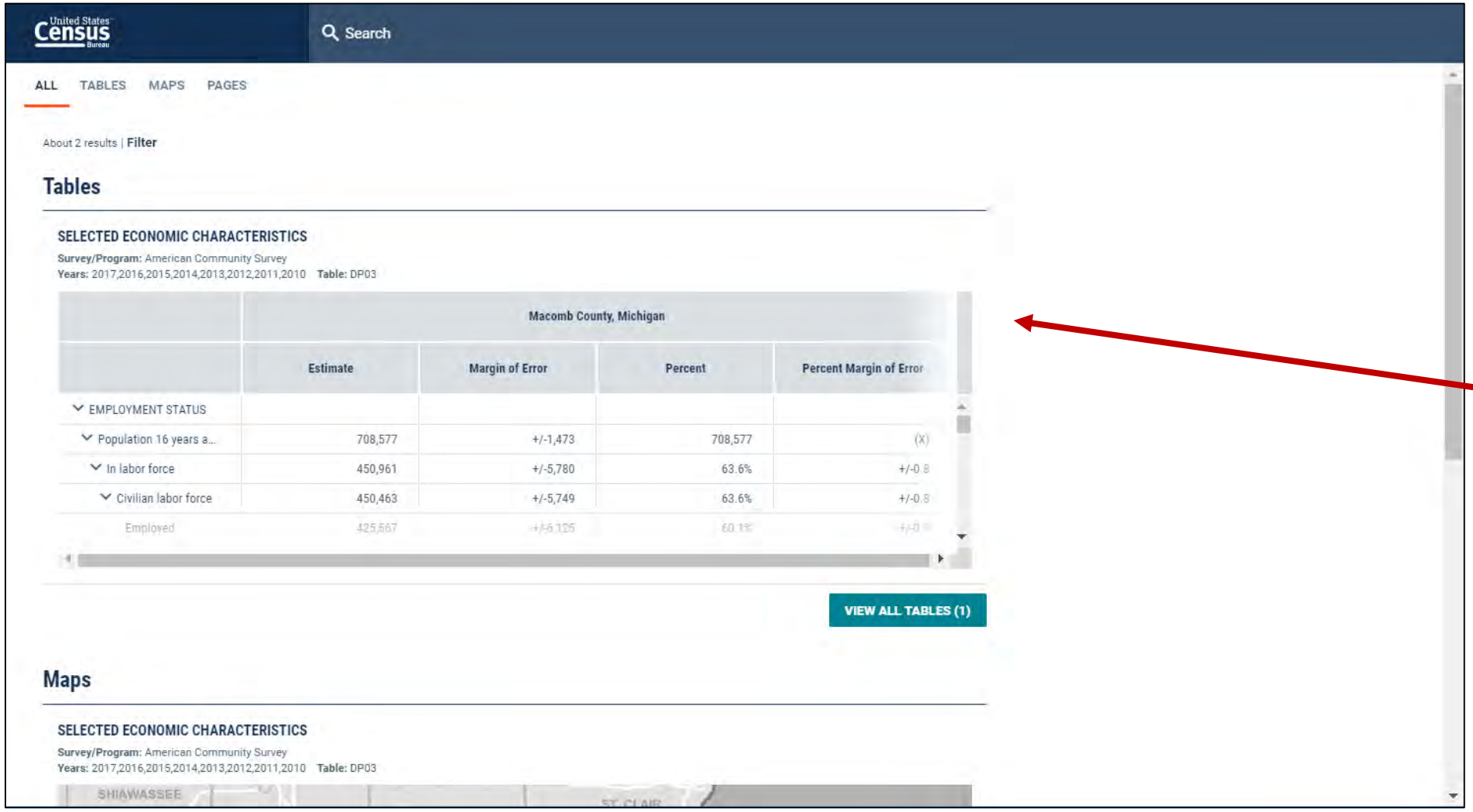
✍ Exercise 3b: Using the ACS 1-Year Data Profiles, what is the percentage of people without health insurance in Macomb County, MI?



Using the advanced search

- **Select ACS 1-Year Estimates Data Profiles**
  Surveys → ACS 1-Year Estimates Data Profiles
- **Click search**

✍ Exercise 3b: Using the ACS 1-Year Data Profiles, what is the percentage of people without health insurance in Macomb County, MI?



Using the advanced search

- Select table DP03

✍ Exercise 3b: Using the ACS 1-Year Data Profiles, what is the percentage of people without health insurance in Macomb County, MI?

Answer: 5.2%

// Search / Tables / DP03

SELECTED ECONOMIC CHARACTERISTICS

Survey/Program: American Community Survey **TableID:** DP03 **Product:** 2017: ACS 5-Year Estimates Data Profiles

Data Notes | 1 Geography | Years | 1 Topic | 1 Survey | Code | Hide | Filter | Sort | Transpose Table | Margin of Error | Restore Layout | Download | Print | Share | More Data | Map

	Macomb County, Michigan			
	Estimate	Margin of Error	Percent	Percent Margin of Error
HEALTH INSURANCE COVERAGE				
Civilian noninstitutionalized po...	864,509	+/-1,046	864,509	(X)
With health insurance coverage	819,325	+/-4,775	94.8%	+/-0.6
With private health insurance	637,198	+/-10,242	73.7%	+/-1.2
With public coverage	313,166	+/-9,670	36.2%	+/-1.1
No health insurance coverage	45,184	+/-4,765	5.2%	+/-0.6
Civilian noninstitutionalized po...	194,568	+/-1,258	194,568	(X)

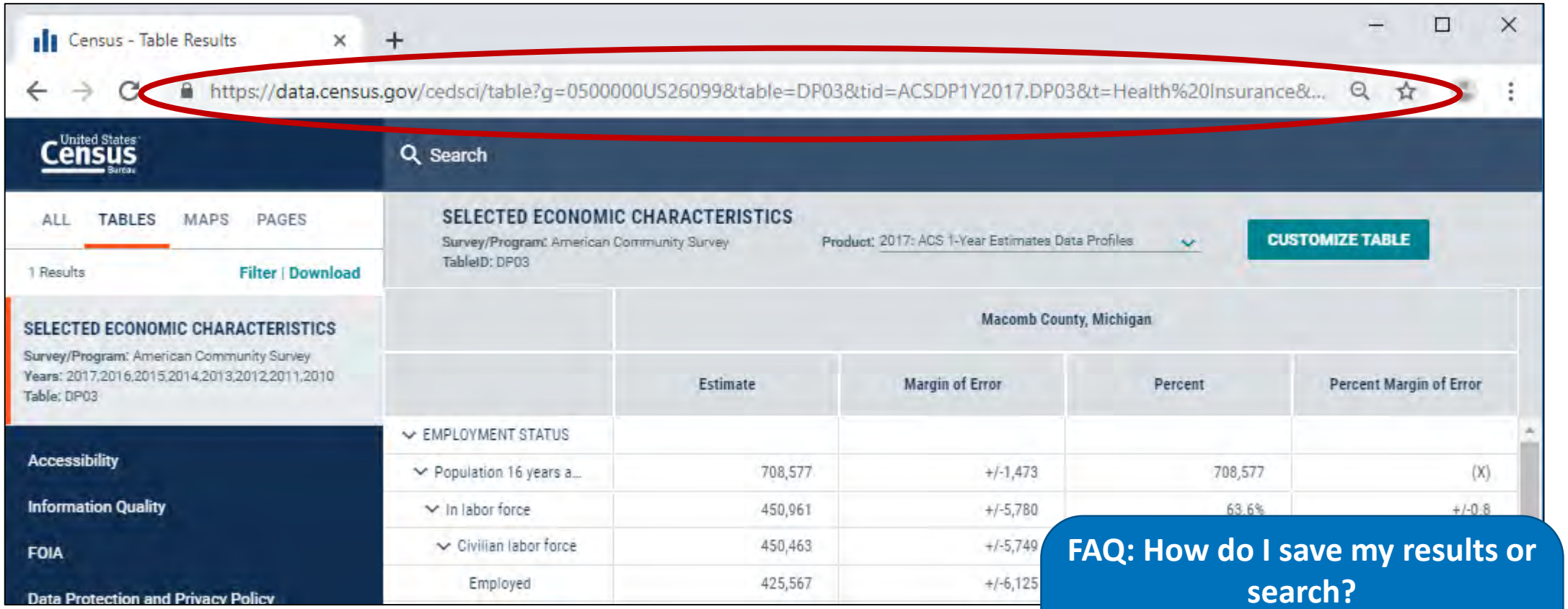
✍ Exercise 3b: Where is the URL to share a link to the table with a data user?

To share the table results:

- Copy and paste the link from the address bar

To share your search

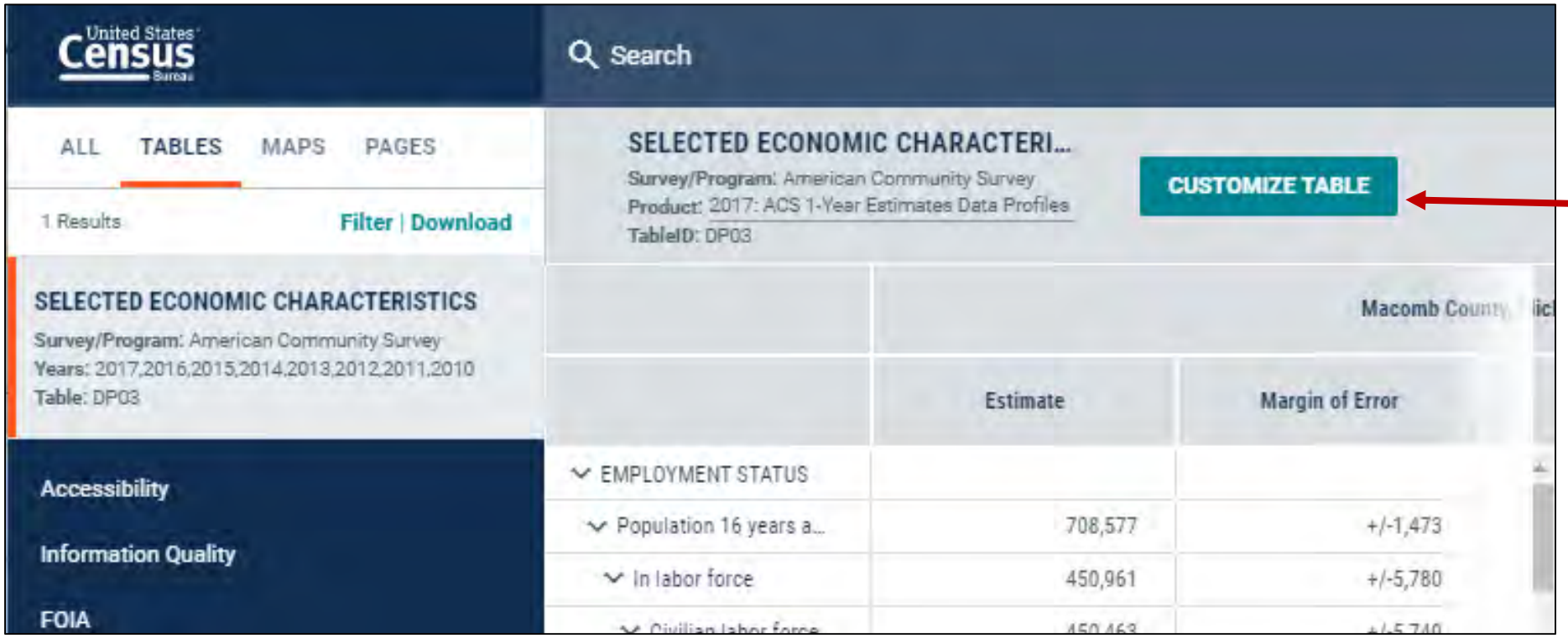
- Copy and edit the URL from the address bar, using guidance from FAQ ID# KCP-5509



FAQ: How do I save my results or search?

ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5509

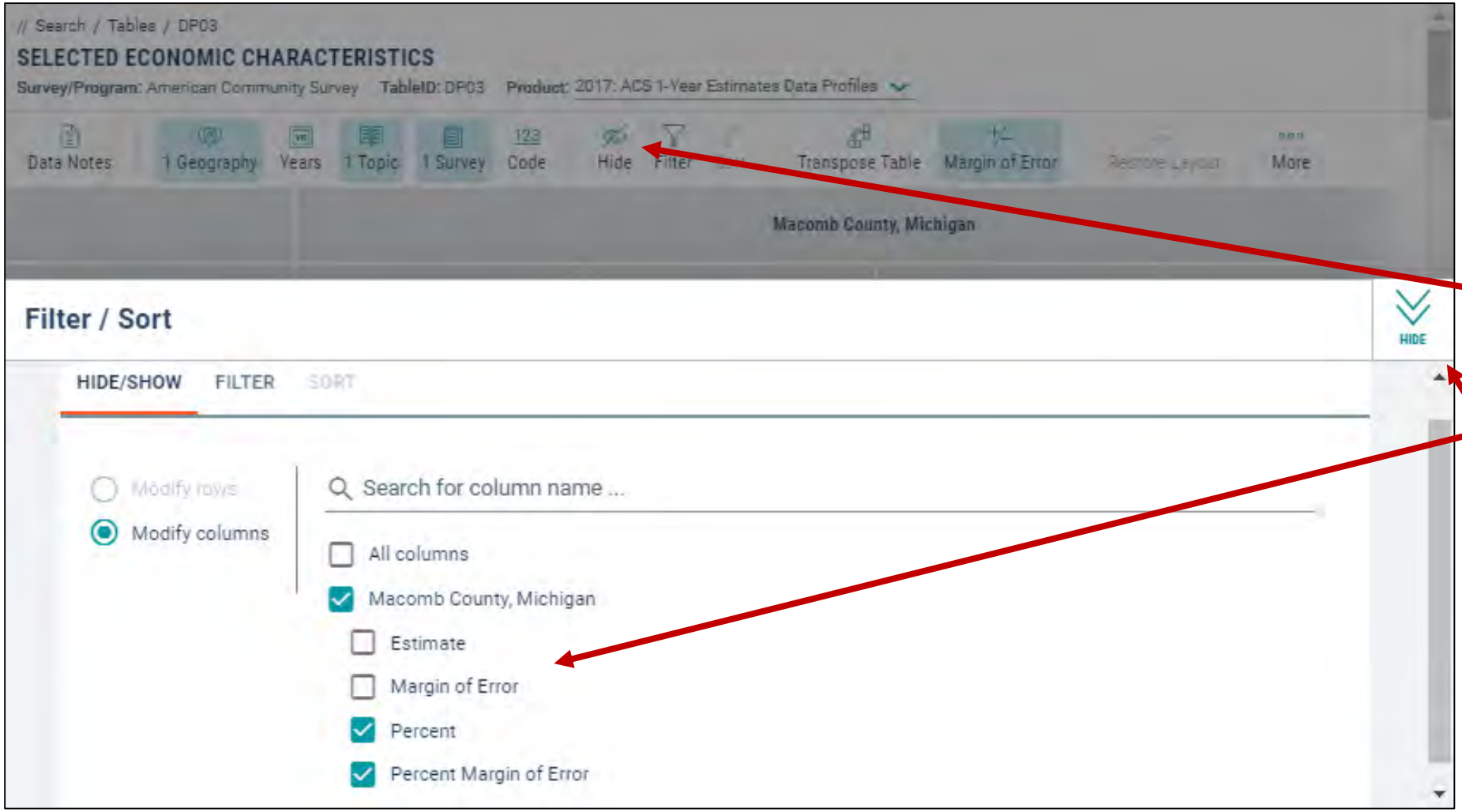
✍ Exercise 3b: How can we edit our table view to show percent and percent MOE columns only?



Navigate to the Customize Table view:

- Click **Customize Table** if you are still on the table results page

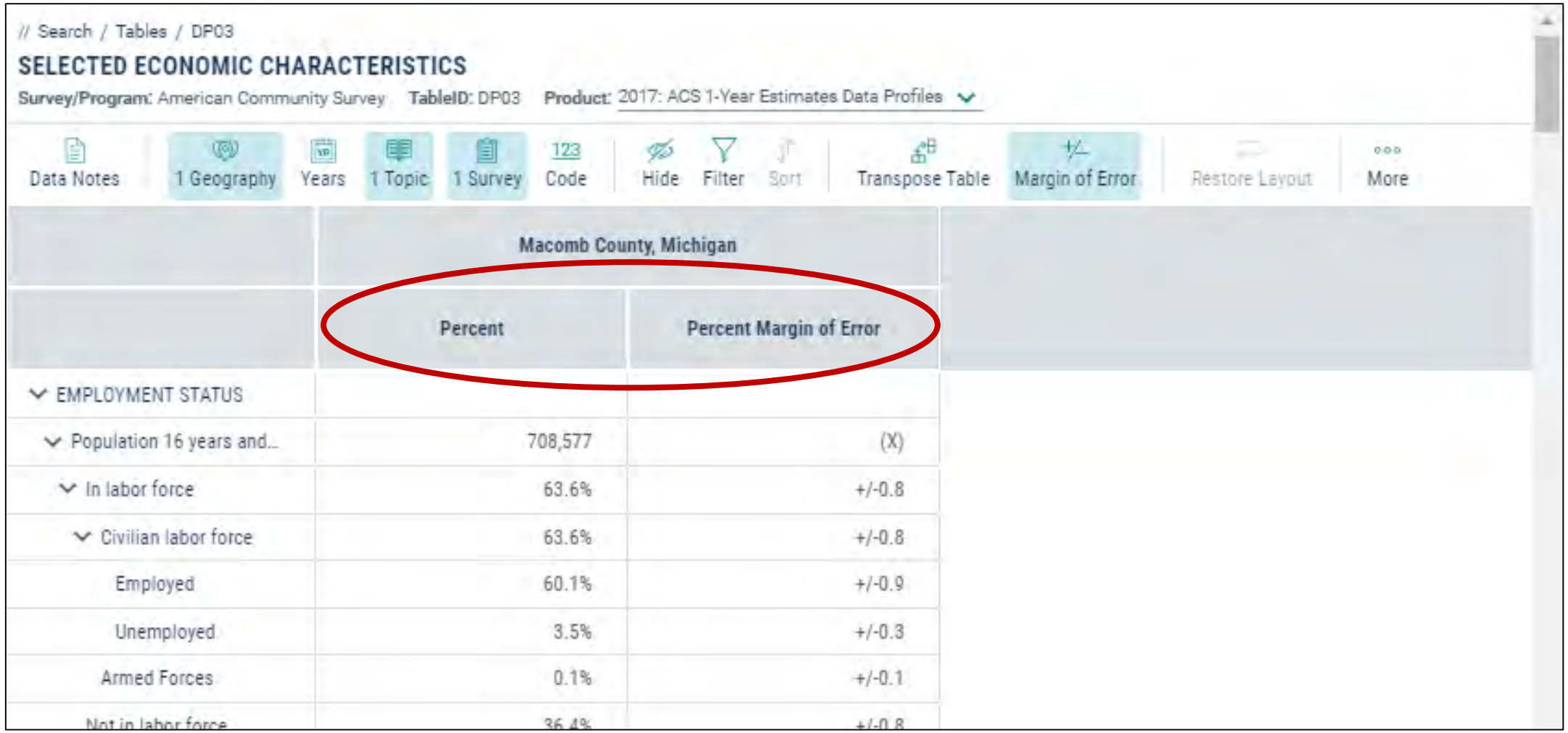
✍ Exercise 3b: How can we edit our table view to show percent and percent MOE columns only?



To hide columns in your table view:

- Select **Hide** from the table controls
- **Uncheck the boxes** next to:
  - **Estimate**
  - **Margin of Error**
- Click the **chevron** in the upper right

✍ Exercise 3b: How can we edit our table view to show percent and percent MOE columns only?



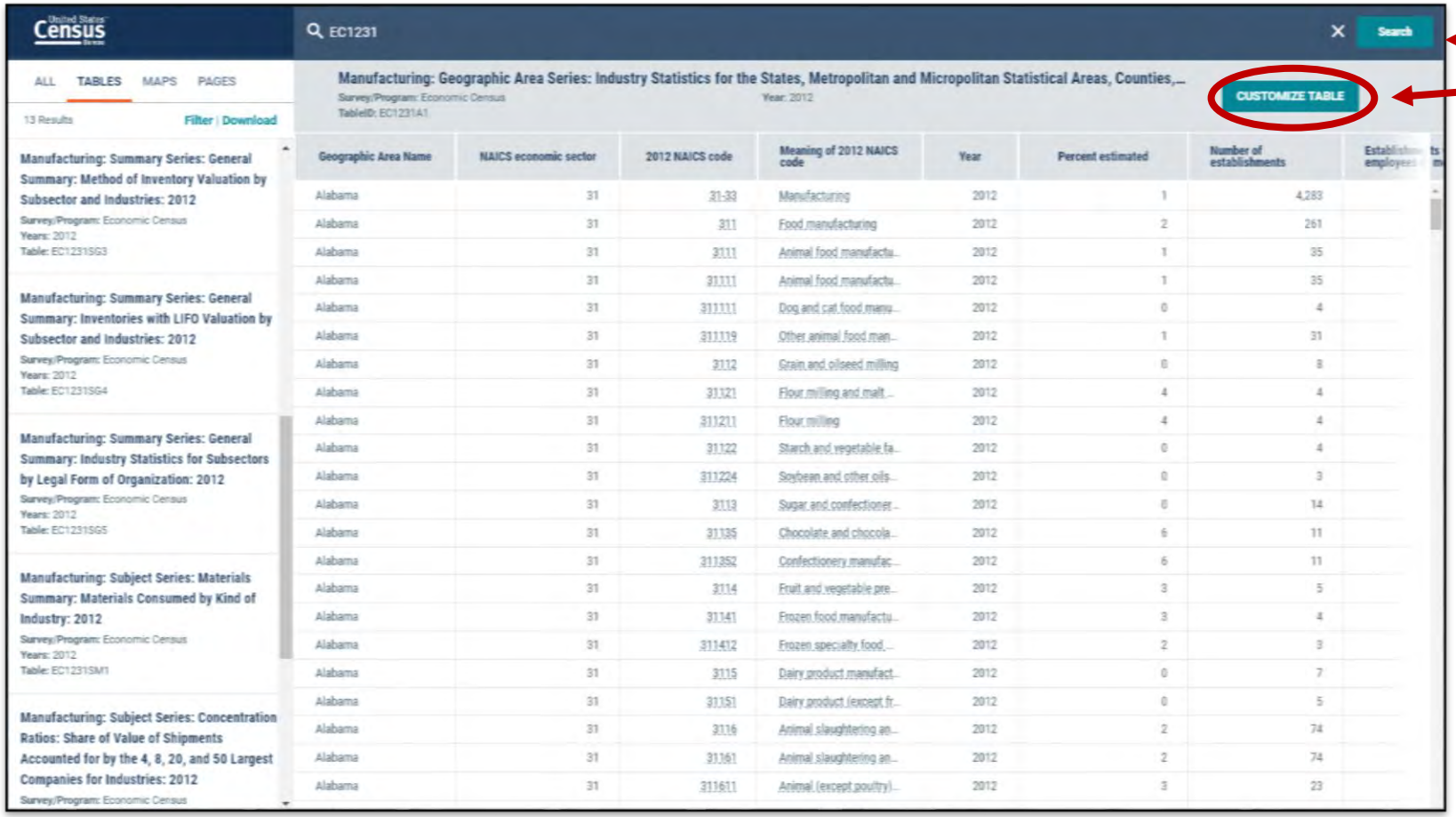
	Macomb County, Michigan	
	Percent	Percent Margin of Error
EMPLOYMENT STATUS		
Population 16 years and...	708,577	(X)
In labor force	63.6%	+/-0.8
Civilian labor force	63.6%	+/-0.8
Employed	60.1%	+/-0.9
Unemployed	3.5%	+/-0.3
Armed Forces	0.1%	+/-0.1
Not in labor force	36.4%	+/-0.8

✍ Exercise 4: Downloading Tables

- How can we download table EC1231 from the 2012 Economic Census?

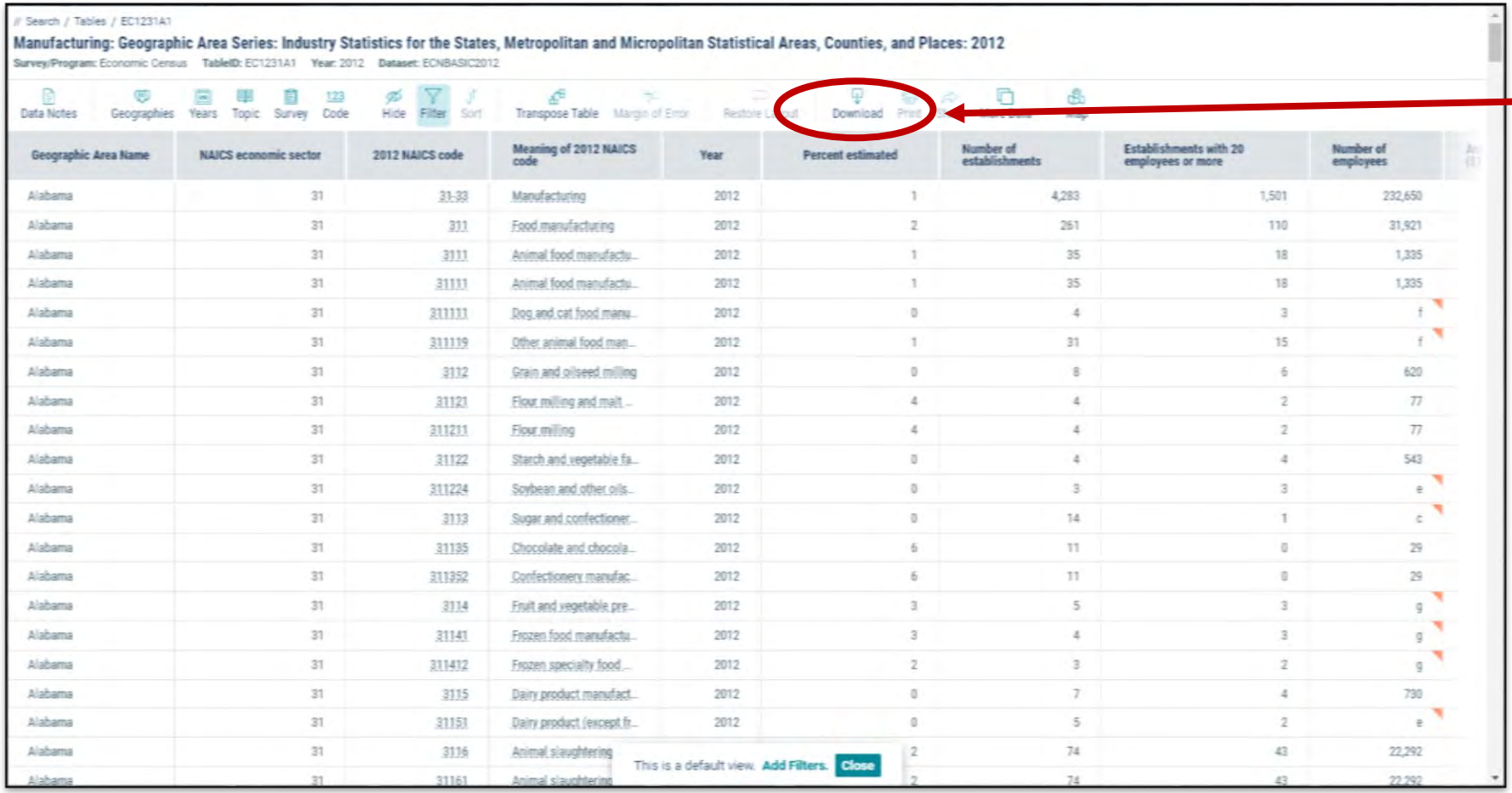
- How can we download tables B17001A and B17001B from the 2017 American Community Survey?

✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?



- **Search** EC1231
- Click **CUSTOMIZE TABLE**

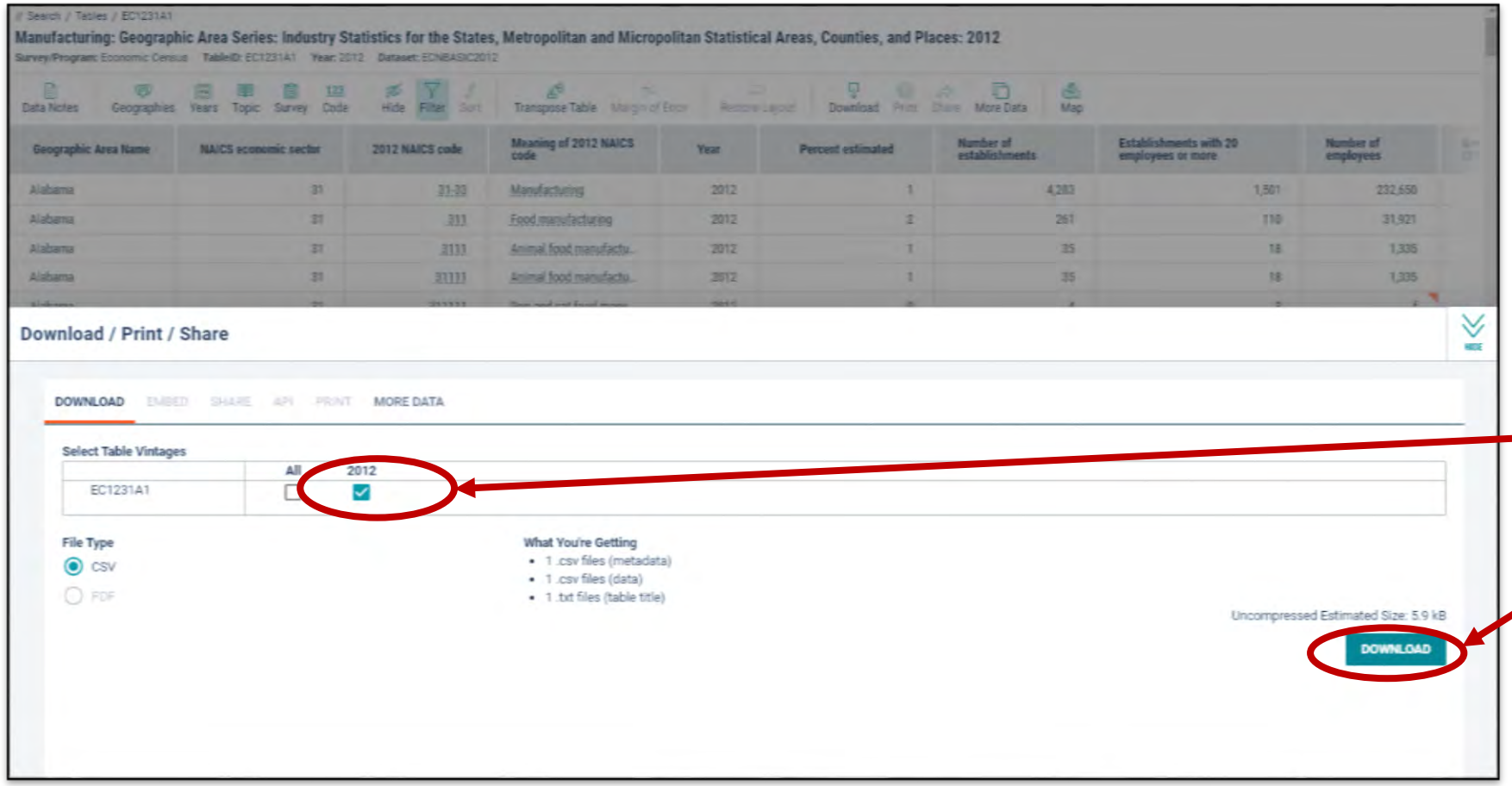
✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?



Geographic Area Name	NAICS economic sector	2012 NAICS code	Meaning of 2012 NAICS code	Year	Percent estimated	Number of establishments	Establishments with 20 employees or more	Number of employees
Alabama	31	31-33	Manufacturing	2012	1	4,283	1,501	232,650
Alabama	31	311	Food manufacturing	2012	2	261	110	31,921
Alabama	31	3111	Animal food manufactu...	2012	1	35	18	1,335
Alabama	31	31111	Animal food manufactu...	2012	1	35	18	1,335
Alabama	31	311111	Dog and cat food manu...	2012	0	4	3	f
Alabama	31	311119	Other animal food man...	2012	1	31	15	f
Alabama	31	3112	Grain and oilseed milling	2012	0	8	6	620
Alabama	31	31121	Flour milling and malt ...	2012	4	4	2	77
Alabama	31	311211	Flour milling	2012	4	4	2	77
Alabama	31	31122	Starch and vegetable fa...	2012	0	4	4	543
Alabama	31	311224	Soybean and other oils...	2012	0	3	3	e
Alabama	31	3113	Sugar and confectioner...	2012	0	14	1	c
Alabama	31	31135	Chocolate and chocola...	2012	6	11	0	29
Alabama	31	311352	Confectionery manufac...	2012	6	11	0	29
Alabama	31	3114	Fruit and vegetable pre...	2012	3	5	3	g
Alabama	31	31141	Frozen food manufactu...	2012	3	4	3	g
Alabama	31	311412	Frozen specialty food ...	2012	2	3	2	g
Alabama	31	3115	Dairy product manufact...	2012	0	7	4	730
Alabama	31	31151	Dairy product (except fr...	2012	0	5	2	e
Alabama	31	3116	Animal slaughtering	2012	2	74	43	22,292
Alabama	31	31161	Animal slaughtering	2012	2	74	43	22,292

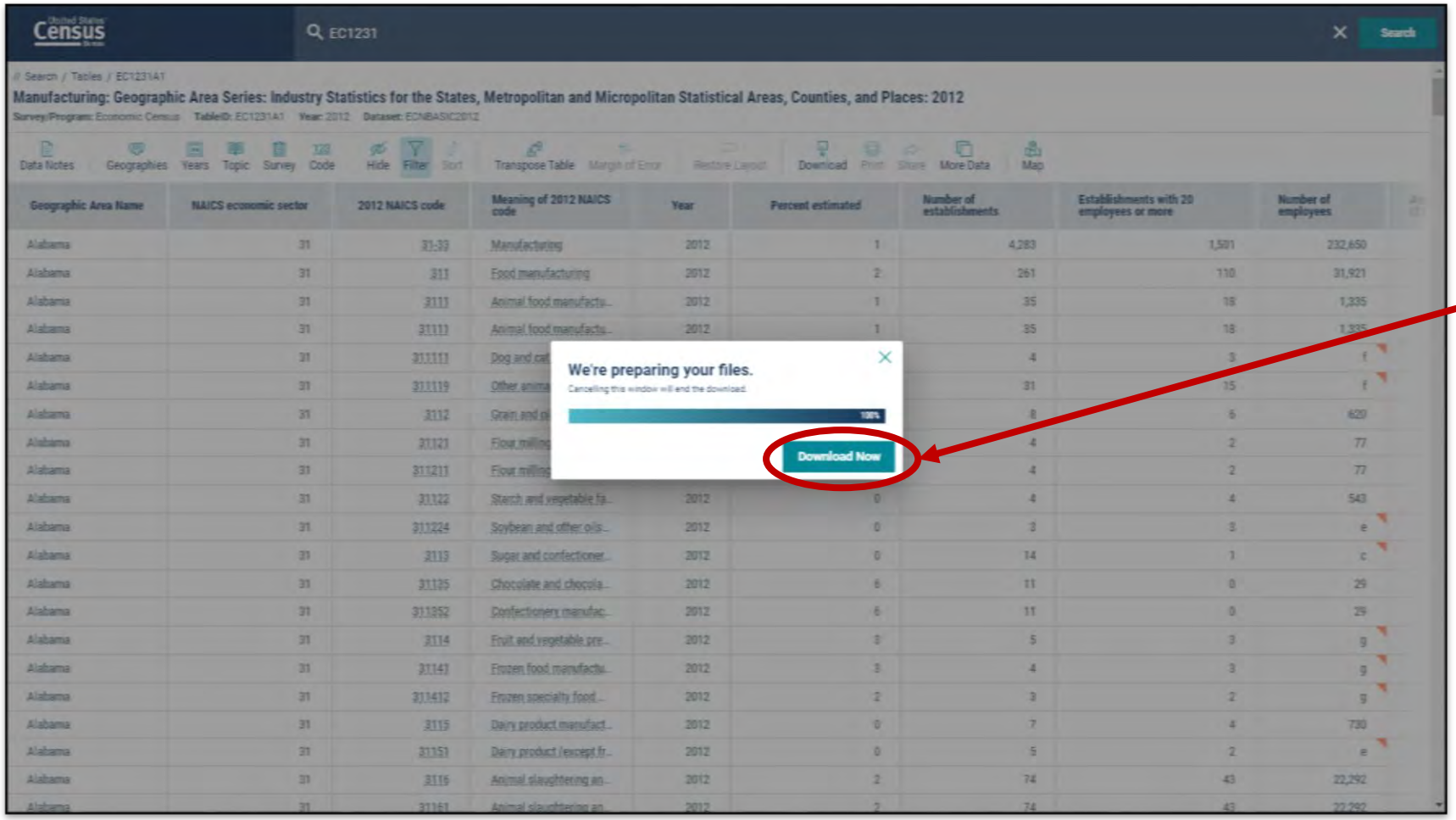
- Click **Download** from the table controls

✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?



- Select the **Table Vintages** (2012)
- Click **DOWNLOAD** again.

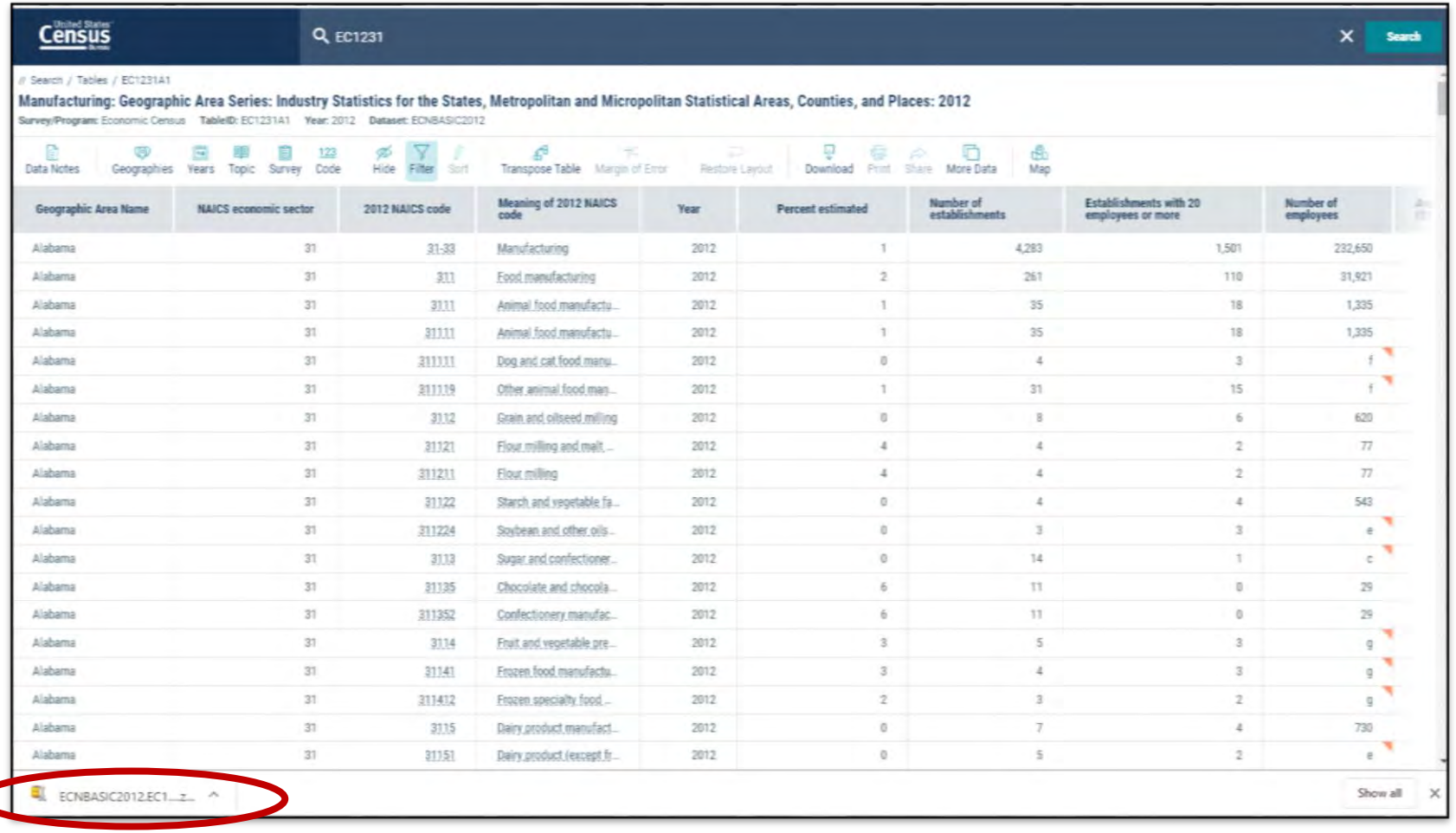
✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?



- Click the **Download Now** button

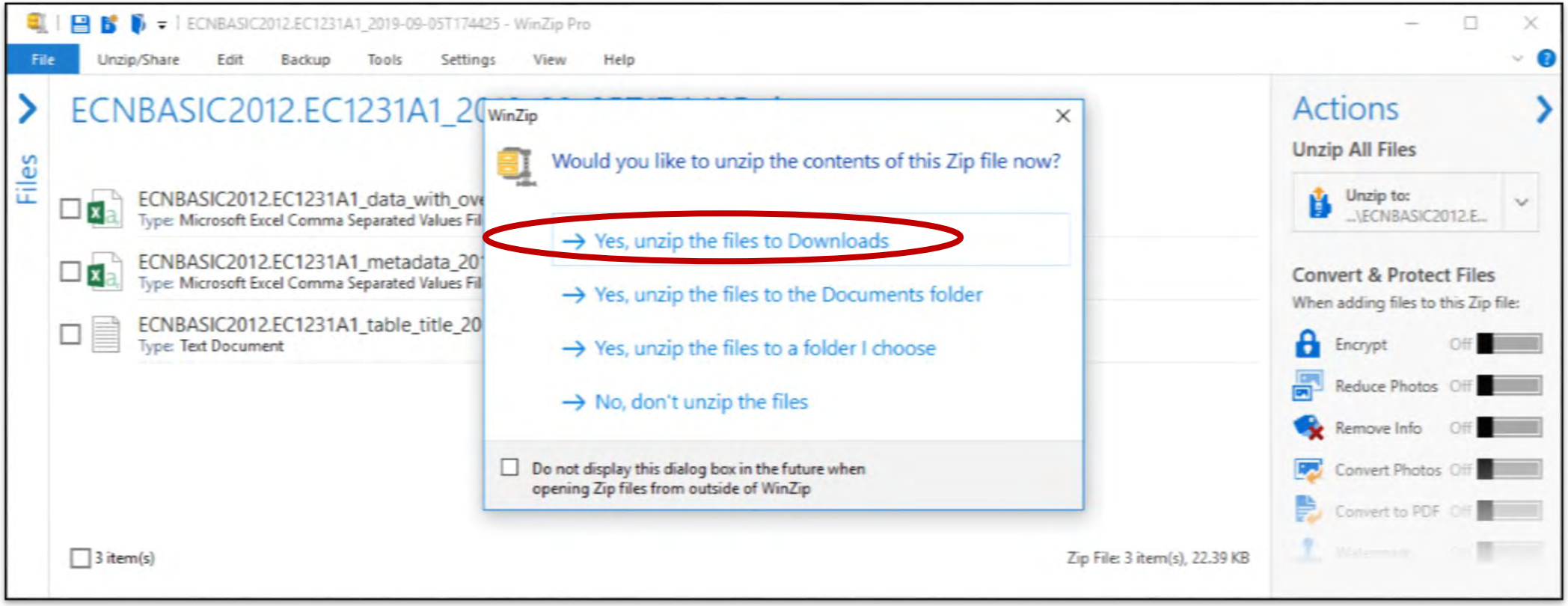
✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?

Click the tab in the lower left corner to unzip the file.



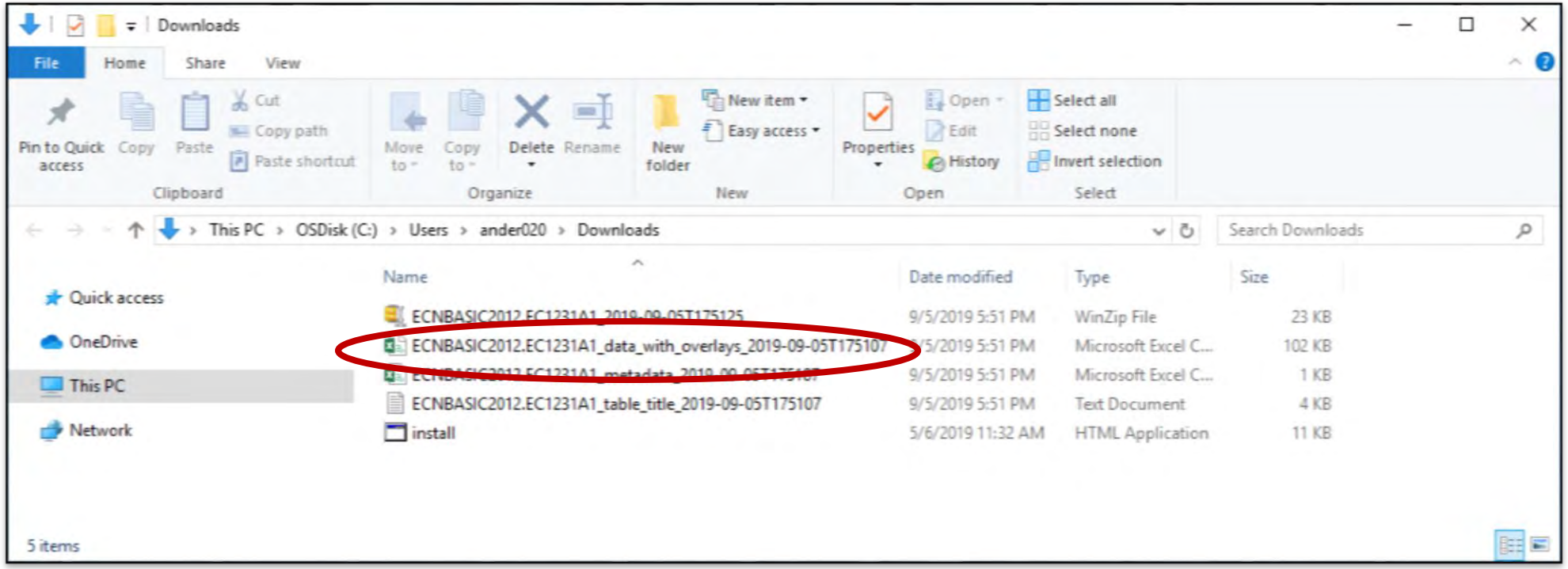
✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?

Select where you would like the files to be unzipped.



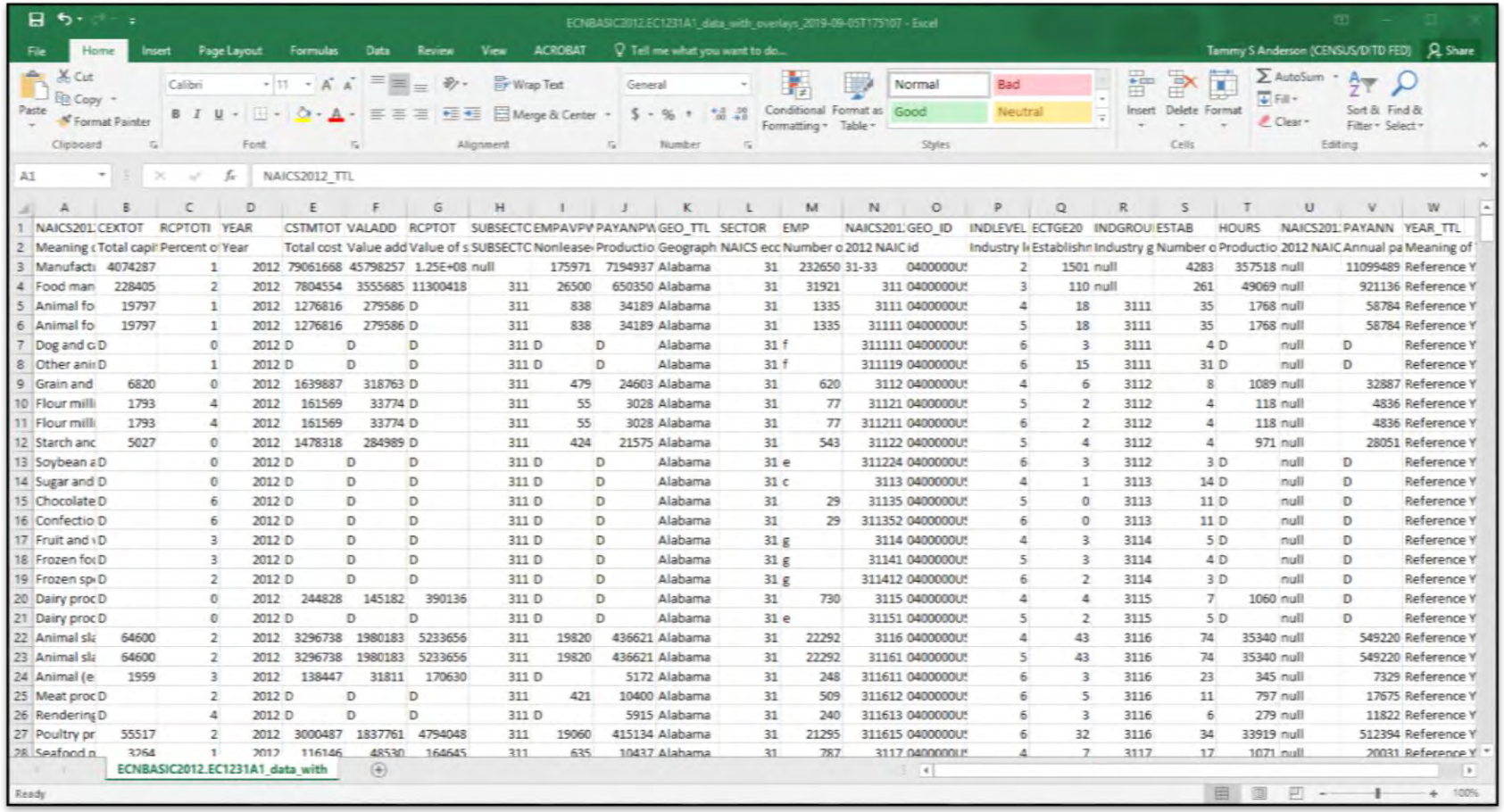
✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?

Three downloaded files appear along with the zip file. Click the file, ECNBASIC2012.EC1231A1_data_with_overlays_2019-09-05T175107



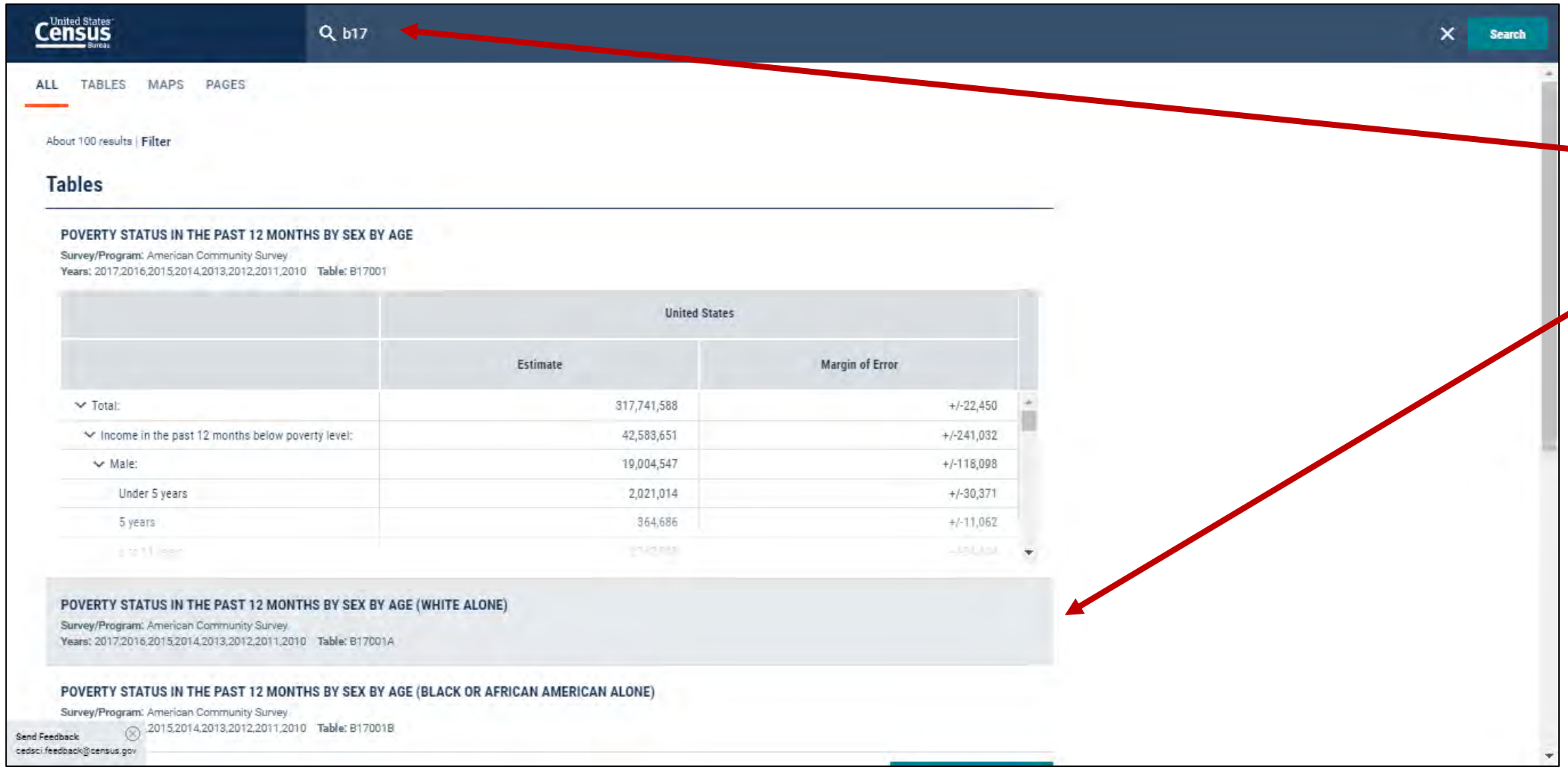
✍ Exercise 4a: How can we download table EC1231 from the 2012 Economic Census?

The following data file appears.



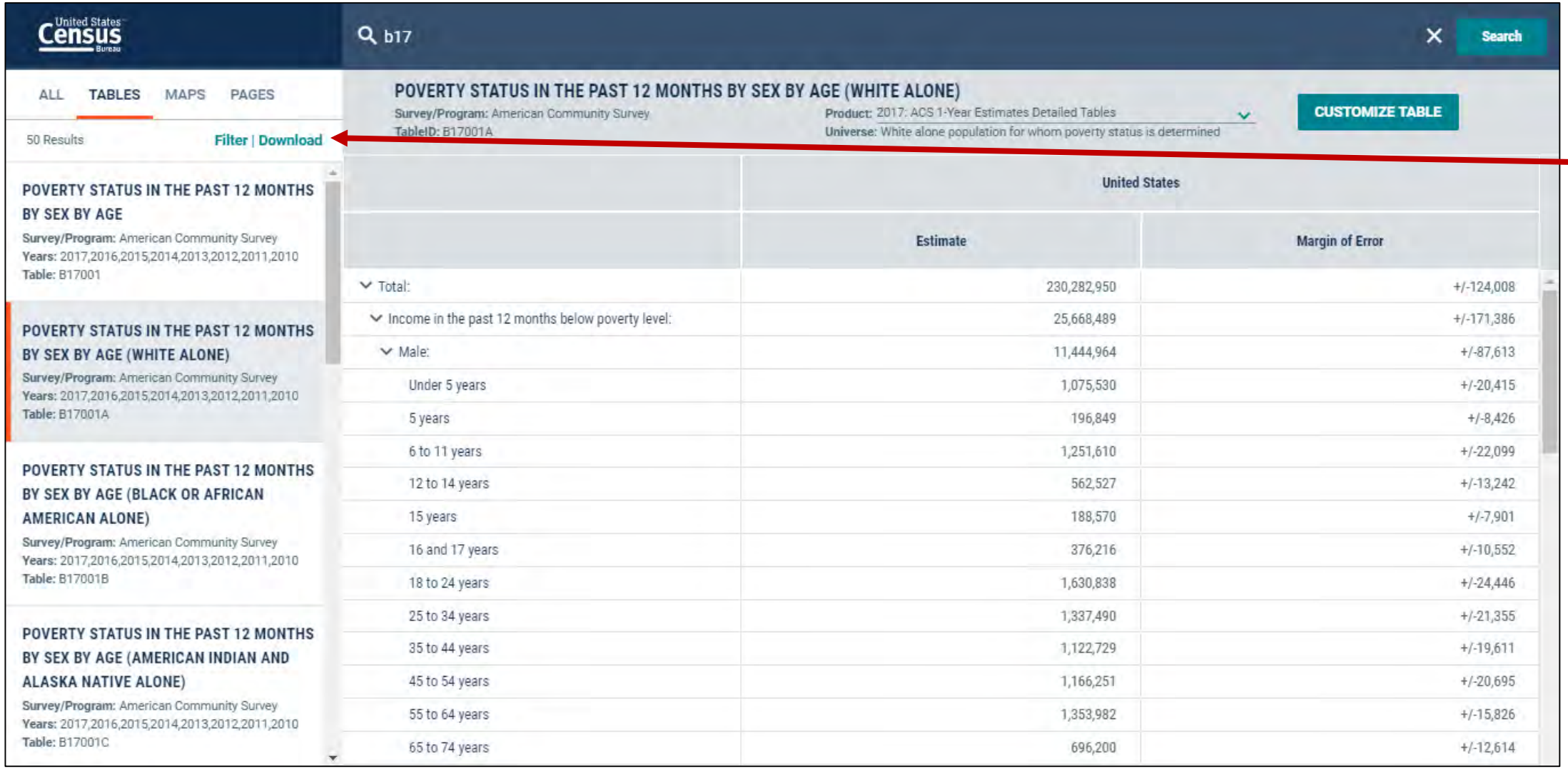
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	NAICS201	CEXTOT	RCPTOTI	YEAR	CSTMTOT	VALADD	RCPTOT	SUBSECTC	EMPAVPV	PAYANPW	GEO_TTL	SECTOR	EMP	NAICS201	GEO_ID	INDLEVEL	ECTGE20	INDGROU	ESTAB	HOURS	NAICS201	PAYANN	YEAR_TTL
2	Meaning (	Total capi	Percent o	Year	Total cost	Value add	Value of s	SUBSECTC	Nonlease	Productio	Geograph	NAICS ecc	Number o	2012 NAIC	id	Industry l	Establishn	Industry g	Number o	Productio	2012 NAIC	Annual pa	Meaning of
3	Manufacti	4074287	1	2012	79061668	45798257	1.25E+08	null	175971	7194937	Alabama	31	232650	31-33	0400000US	2	1501	null	4283	357518	null	11099489	Reference Y
4	Food man	228405	2	2012	7804554	3555685	11300418	311	26500	650350	Alabama	31	31921	311	0400000US	3	110	null	261	49069	null	921136	Reference Y
5	Animal fo	19797	1	2012	1276816	279586	D	311	838	34189	Alabama	31	1335	3111	0400000US	4	18	3111	35	1768	null	58784	Reference Y
6	Animal fo	19797	1	2012	1276816	279586	D	311	838	34189	Alabama	31	1335	31111	0400000US	5	18	3111	35	1768	null	58784	Reference Y
7	Dog and c	D	0	2012	D	D	D	311	D	D	Alabama	31	f	311111	0400000US	6	3	3111	4	D	null	D	Reference Y
8	Other ani	D	1	2012	D	D	D	311	D	D	Alabama	31	f	311119	0400000US	6	15	3111	31	D	null	D	Reference Y
9	Grain and	6820	0	2012	1639887	318763	D	311	479	24603	Alabama	31	620	3112	0400000US	4	6	3112	8	1089	null	32887	Reference Y
10	Flour milli	1793	4	2012	161569	33774	D	311	55	3028	Alabama	31	77	31121	0400000US	5	2	3112	4	118	null	4836	Reference Y
11	Flour milli	1793	4	2012	161569	33774	D	311	55	3028	Alabama	31	77	311211	0400000US	6	2	3112	4	118	null	4836	Reference Y
12	Starch anc	5027	0	2012	1478318	284989	D	311	424	21575	Alabama	31	543	31122	0400000US	5	4	3112	4	971	null	28051	Reference Y
13	Soybean a	D	0	2012	D	D	D	311	D	D	Alabama	31	e	311224	0400000US	6	3	3112	3	D	null	D	Reference Y
14	Sugar and	D	0	2012	D	D	D	311	D	D	Alabama	31	c	3113	0400000US	4	1	3113	14	D	null	D	Reference Y
15	Chocolate	D	6	2012	D	D	D	311	D	D	Alabama	31	29	31135	0400000US	5	0	3113	11	D	null	D	Reference Y
16	Confectio	D	6	2012	D	D	D	311	D	D	Alabama	31	29	311352	0400000US	6	0	3113	11	D	null	D	Reference Y
17	Fruit and v	D	3	2012	D	D	D	311	D	D	Alabama	31	g	3114	0400000US	4	3	3114	5	D	null	D	Reference Y
18	Frozen fo	D	3	2012	D	D	D	311	D	D	Alabama	31	g	31141	0400000US	5	3	3114	4	D	null	D	Reference Y
19	Frozen sp	D	2	2012	D	D	D	311	D	D	Alabama	31	g	311412	0400000US	6	2	3114	3	D	null	D	Reference Y
20	Dairy proc	D	0	2012	244828	145182	390136	311	D	D	Alabama	31	730	3115	0400000US	4	4	3115	7	1060	null	D	Reference Y
21	Dairy proc	D	0	2012	D	D	D	311	D	D	Alabama	31	e	31151	0400000US	5	2	3115	5	D	null	D	Reference Y
22	Animal sla	64600	2	2012	3296738	1980183	5233656	311	19820	436621	Alabama	31	22292	3116	0400000US	4	43	3116	74	35340	null	549220	Reference Y
23	Animal sla	64600	2	2012	3296738	1980183	5233656	311	19820	436621	Alabama	31	22292	31161	0400000US	5	43	3116	74	35340	null	549220	Reference Y
24	Animal (e	1959	3	2012	138447	31811	170630	311	D	5172	Alabama	31	248	311611	0400000US	6	3	3116	23	345	null	7329	Reference Y
25	Meat proc	D	2	2012	D	D	D	311	421	10400	Alabama	31	509	311612	0400000US	6	5	3116	11	797	null	17675	Reference Y
26	Rendering	D	4	2012	D	D	D	311	D	5915	Alabama	31	240	311613	0400000US	6	3	3116	6	279	null	11822	Reference Y
27	Poultry pr	55517	2	2012	3000487	1837761	4794048	311	19060	415134	Alabama	31	21295	311615	0400000US	6	32	3116	34	33919	null	512394	Reference Y
28	Seafood p	3264	1	2012	116146	48530	164645	311	635	10437	Alabama	31	787	3117	0400000US	4	7	3117	17	1071	null	20031	Reference Y

✍ Exercise 4b: How can we download tables B17001A and B17001B from the 2017 ACS?



- Using the Single Search bar, search ‘b17’
- Click on table B17001A

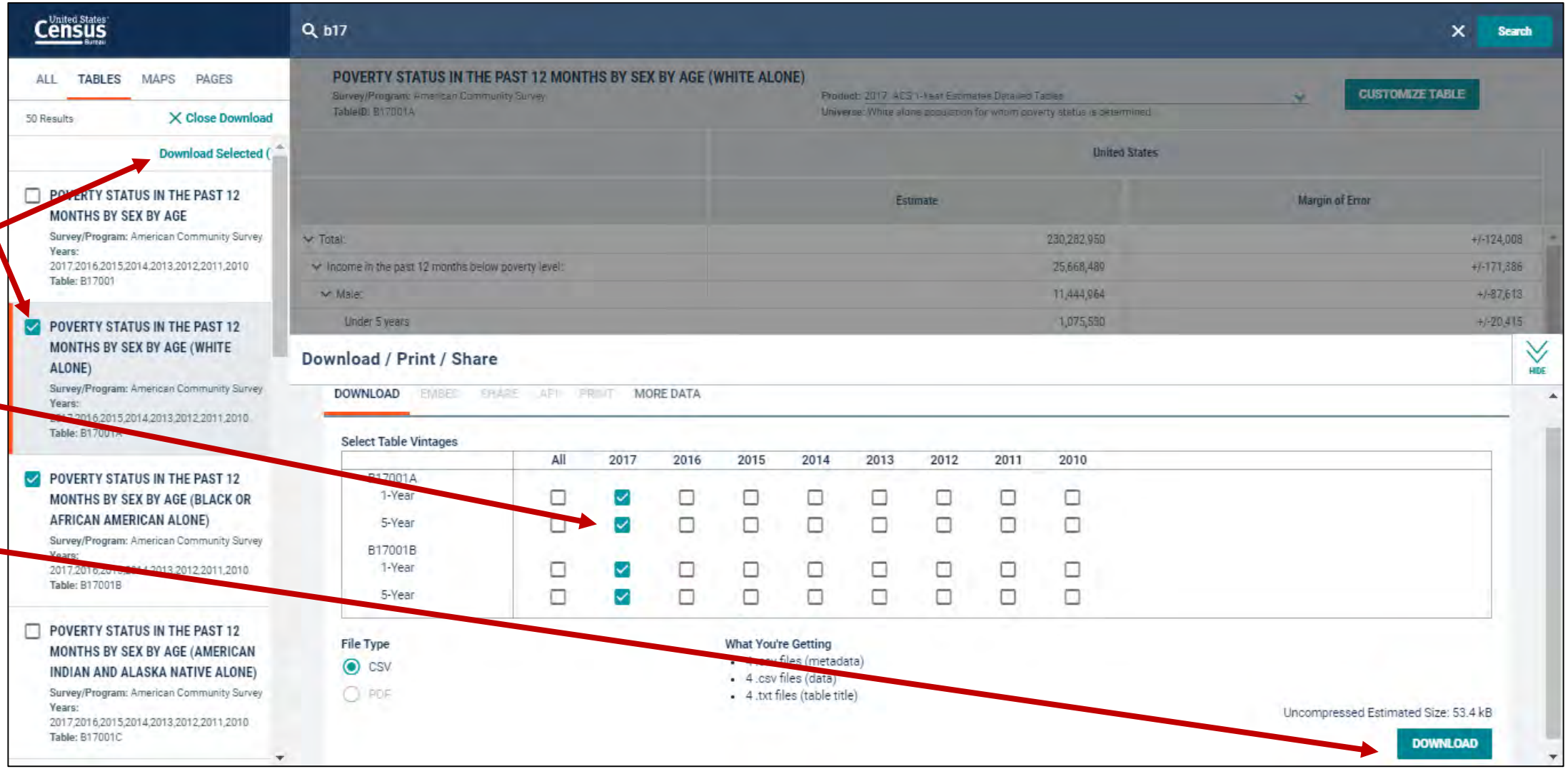
✍ Exercise 4b: How can we download tables B17001A and B17001B from the 2017 ACS?



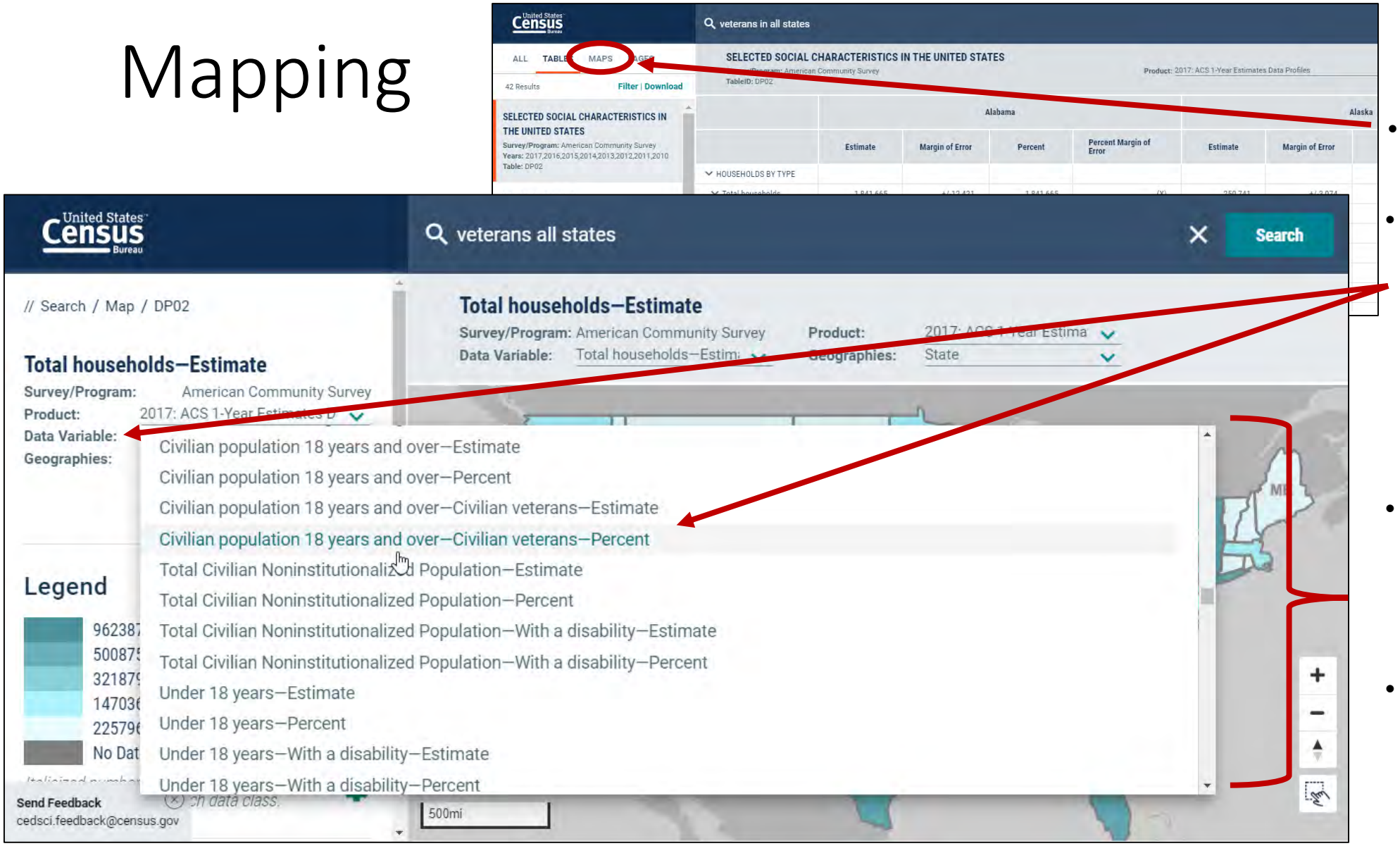
- Click on Download

✍ Exercise 4b: How can we download tables B17001A and B17001B from the 2017 ACS?

- Check the box next to tables B17001A and B17001B
- Click 'Download Selected (2)'
- Make sure the 2017 boxes are checked
- Hit the DOWNLOAD button
- Continue with the same download procedure



Mapping



- Click the MAPS search results
- Click the data variable dropdown to change the estimate that is mapped out. By default, data.census.gov maps out the first estimate from the table.
- The data variable list loads in sections. In many cases you have to repeatedly scroll to get the full list
- Geography selections carry between maps and tables.

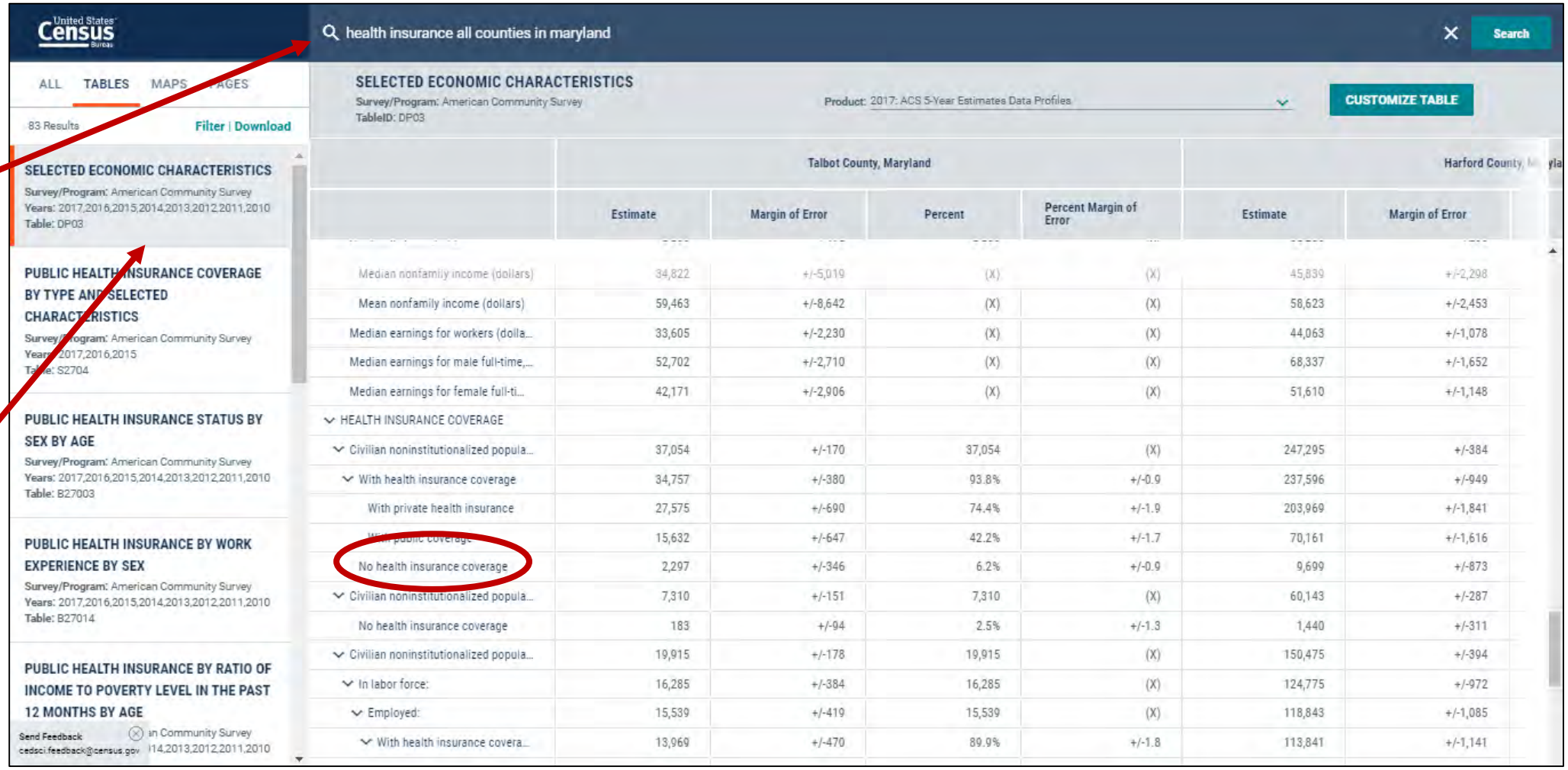
✍ Exercise 5 – Creating a Map, and Viewing Geographic Comparison Table (GCT)

- You'd like to map the percent of people without health insurance across all counties in MD using the ACS 5-Year Data Profiles. How can you create a map and see which county has the highest percent uninsured?
- You want to view your own Geographic Comparison Table (GCT) to see percent uninsured in a table view. How can you do this from the customize map view?

✍ Exercise 5a –You'd like to map the percent of people without health insurance across all counties in MD. How can you create a map and see which county has the highest percent uninsured?

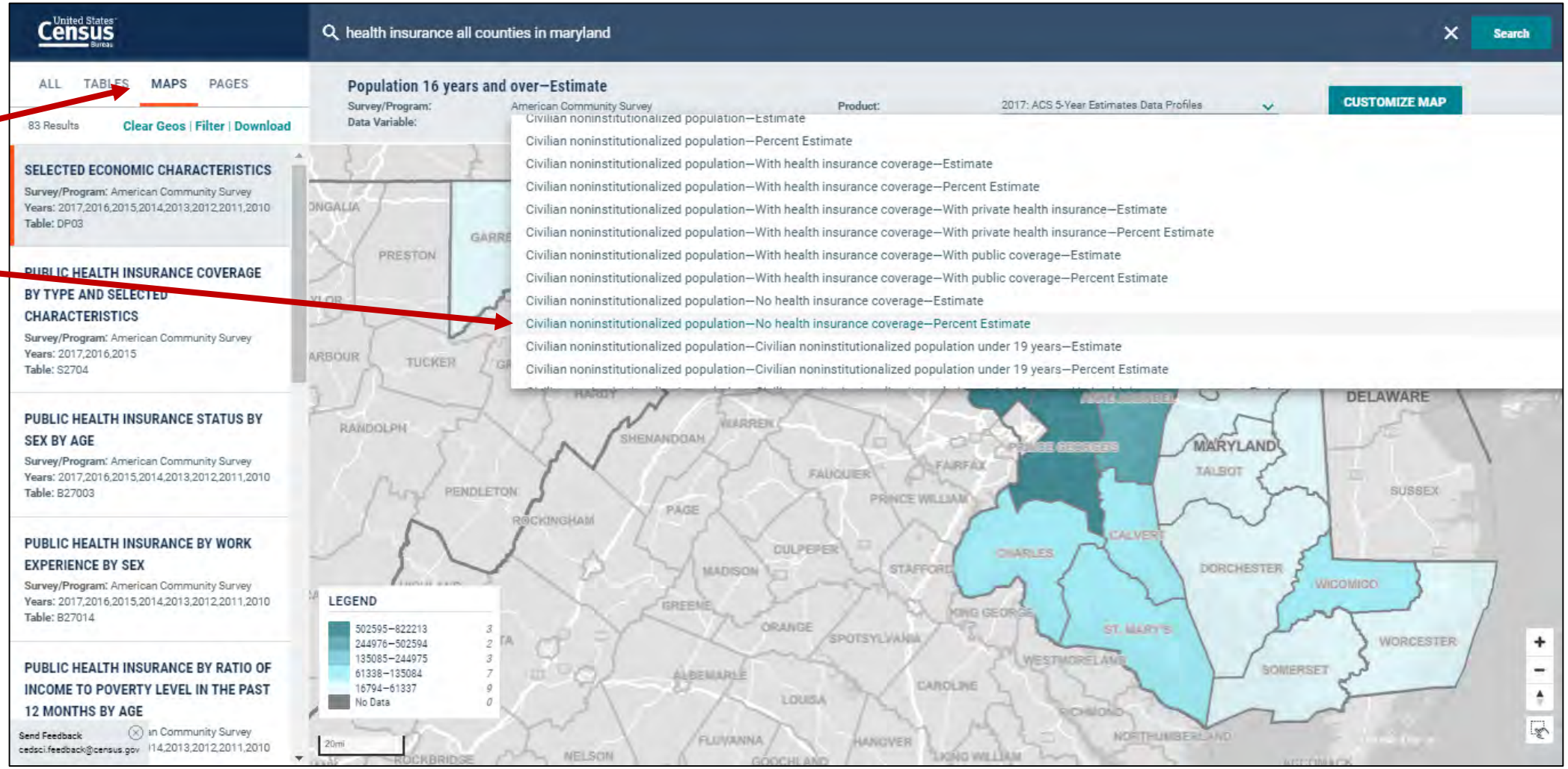
To find the percent of people without health insurance across all counties in MD:

- Using the Single Search bar, search 'health insurance all counties in Maryland'.
- Use table DP03



✍ Exercise 5a –You'd like to map the percent of people without health insurance across all counties in MD. How can you create a map and see which county has the highest percent uninsured?

- Select the 'MAPS' tab
- Select 'Data Variable' and choose 'Civilian noninstitutionalized population—No health insurance coverage—Percent Estimate'



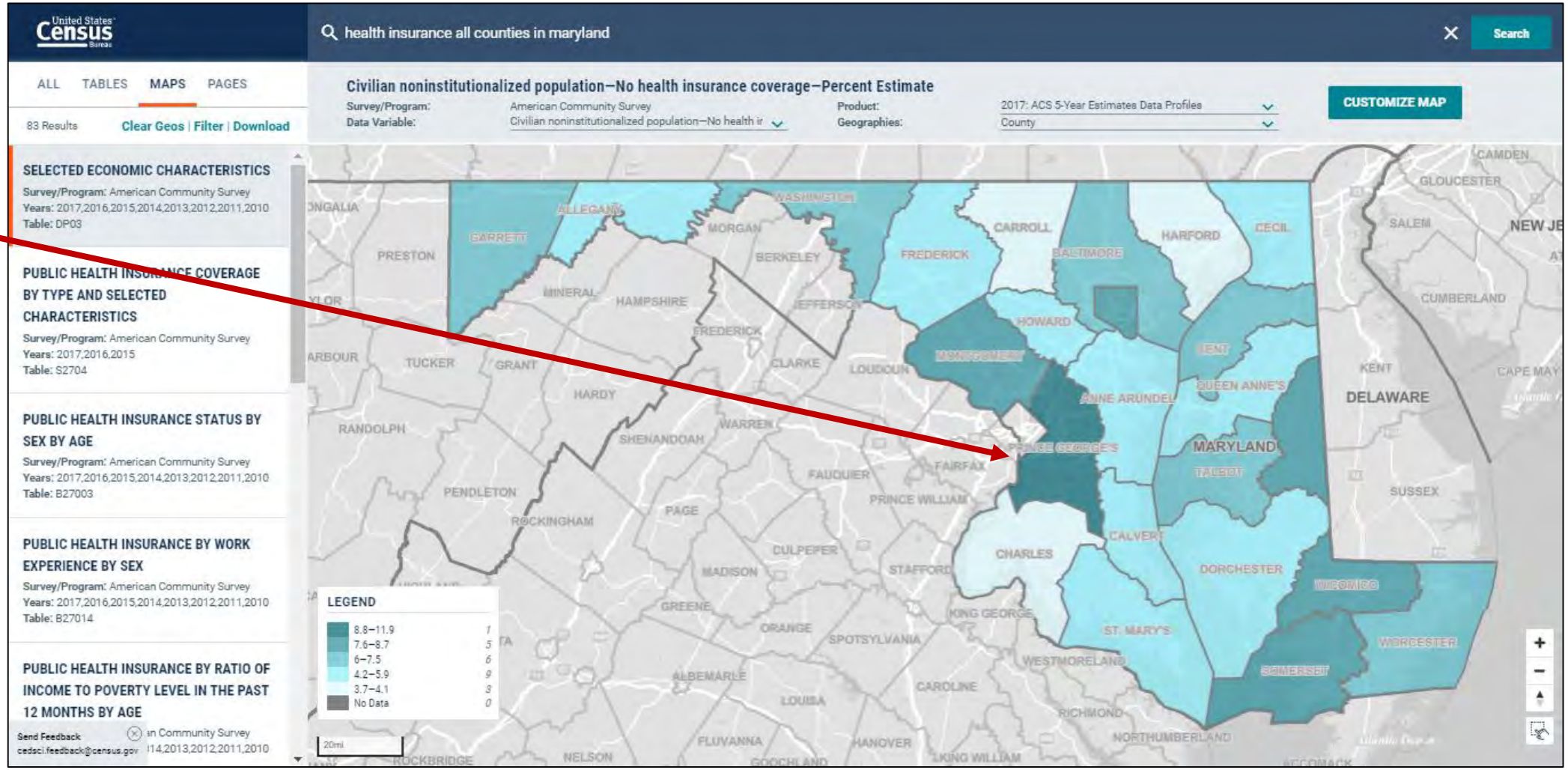
✍ Exercise 5a –You'd like to map the percent of people without health insurance across all counties in MD. How can you build upon your search to create this map and see which county has the highest percent uninsured?

From the Map View

- Click on the county with the darkest shade of blue to see the county with the highest percent of people without health insurance

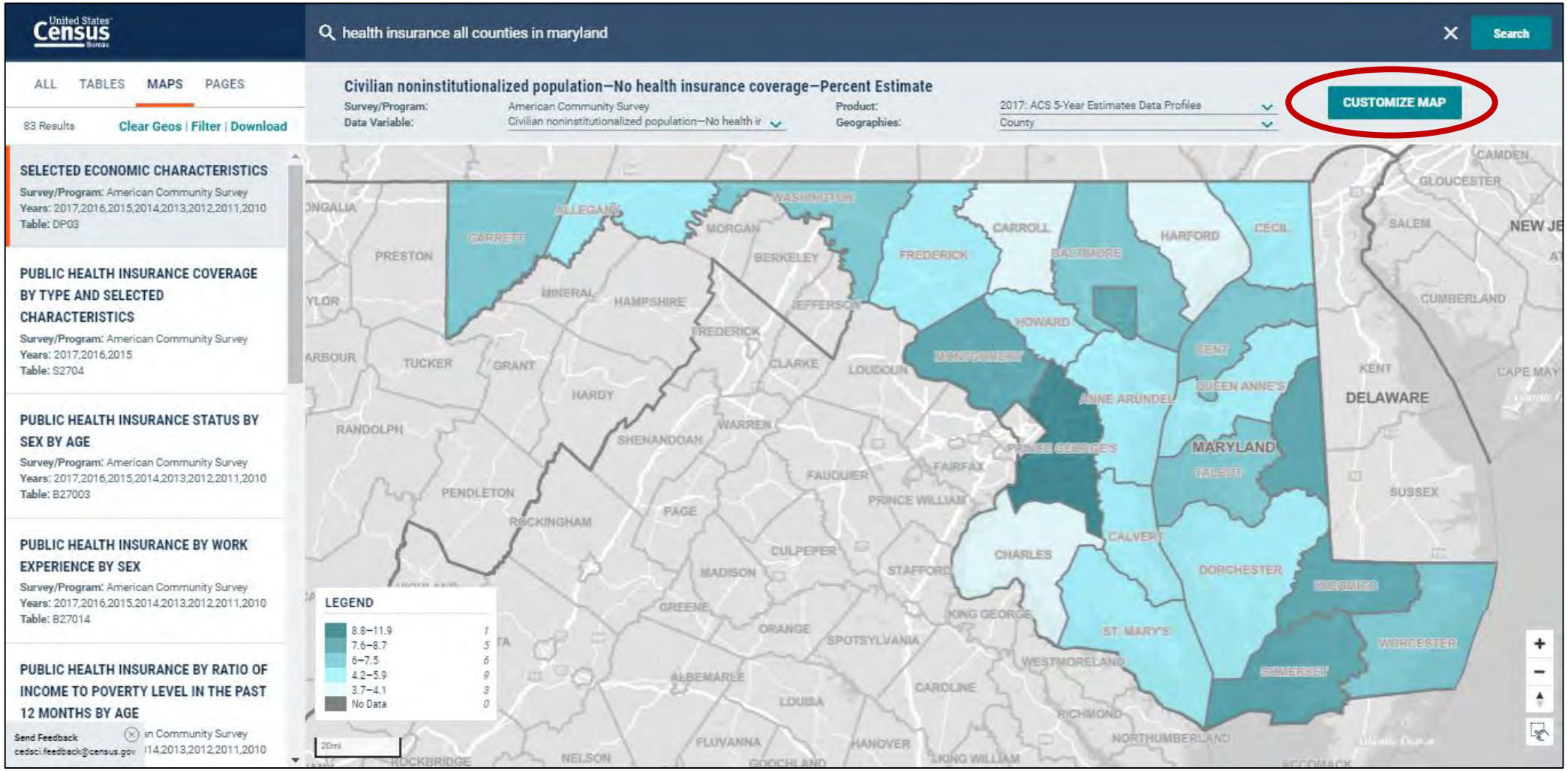
ANSWER:

Prince George's county



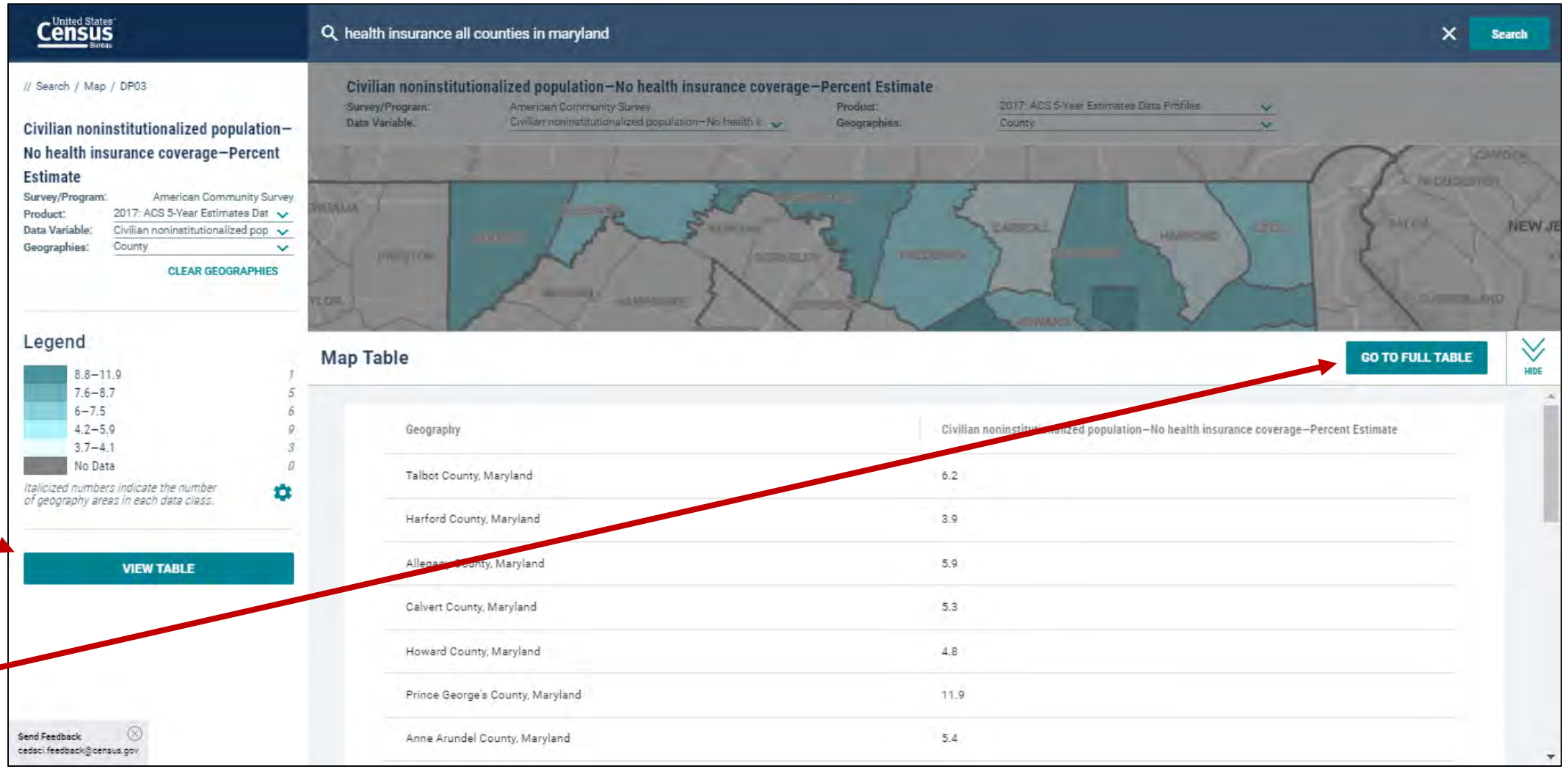
✍ Exercise 5b –You want to view your own Geographic Comparison Table (GCT) to see percent uninsured in a table view. How can you do this from the customize map view?

- Select the CUSTOMIZE MAP button



✍ Exercise 5b –You want to view your own Geographic Comparison Table (GCT) to see percent uninsured in a table view. How can you do this from the customize map view?

- Select the VIEW TABLE button
- If you would like to view the full table, select the GO TO FULL TABLE button



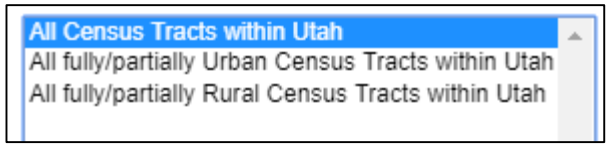
Overcoming Roadblocks:
Functionality that is Not Available

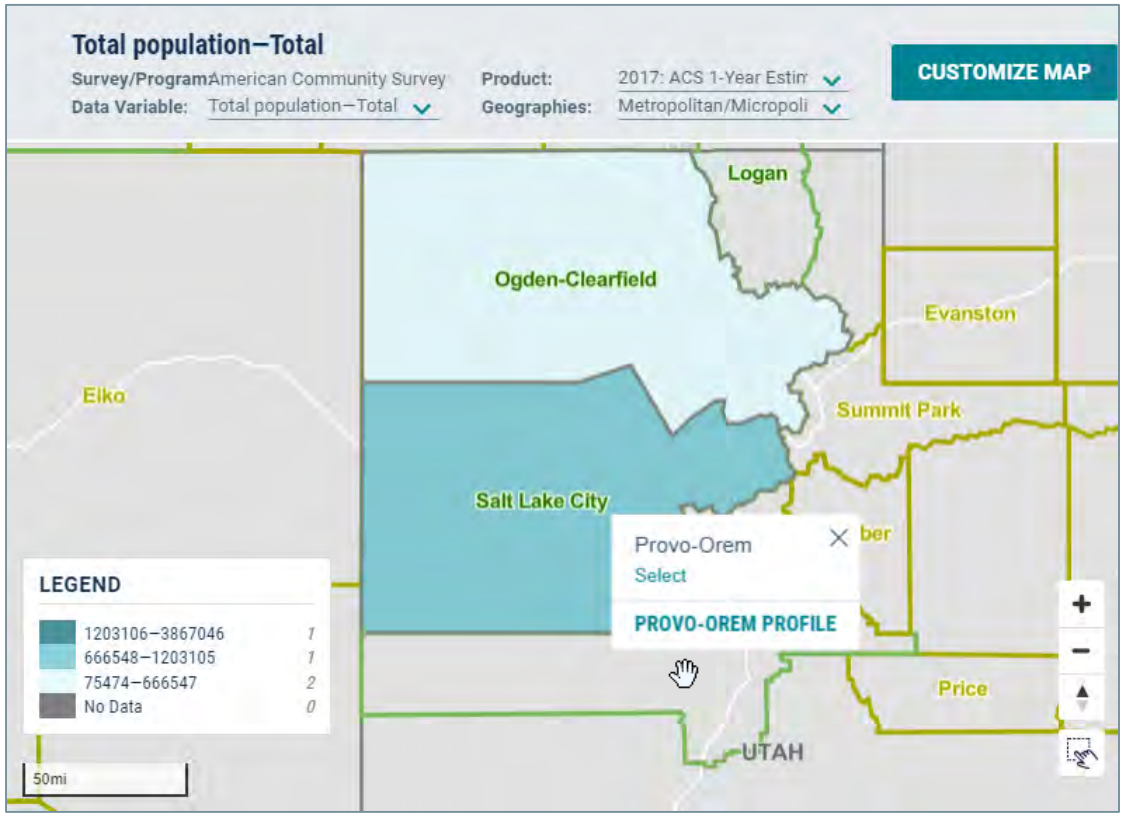
Collections of Geographies: Where Are the Checkboxes to Select All Geos in a List?

More checkboxes coming for 2018 ACS 5-year release in December. In the meantime:

- Use maps on data.census.gov to select individual geographies or small groupings
- Use FTP sites or API
- Use American FactFinder to get data for collections of geographies from 2017 ACS 5-year release until we build the checkbox on data.census.gov

  Example: “All census tracts in Utah”





Print Functionality and PDF Downloads

We hope to be able to build additional functionality on data.census.gov in the future. In the meantime:

Try right click options to get a table view in Excel

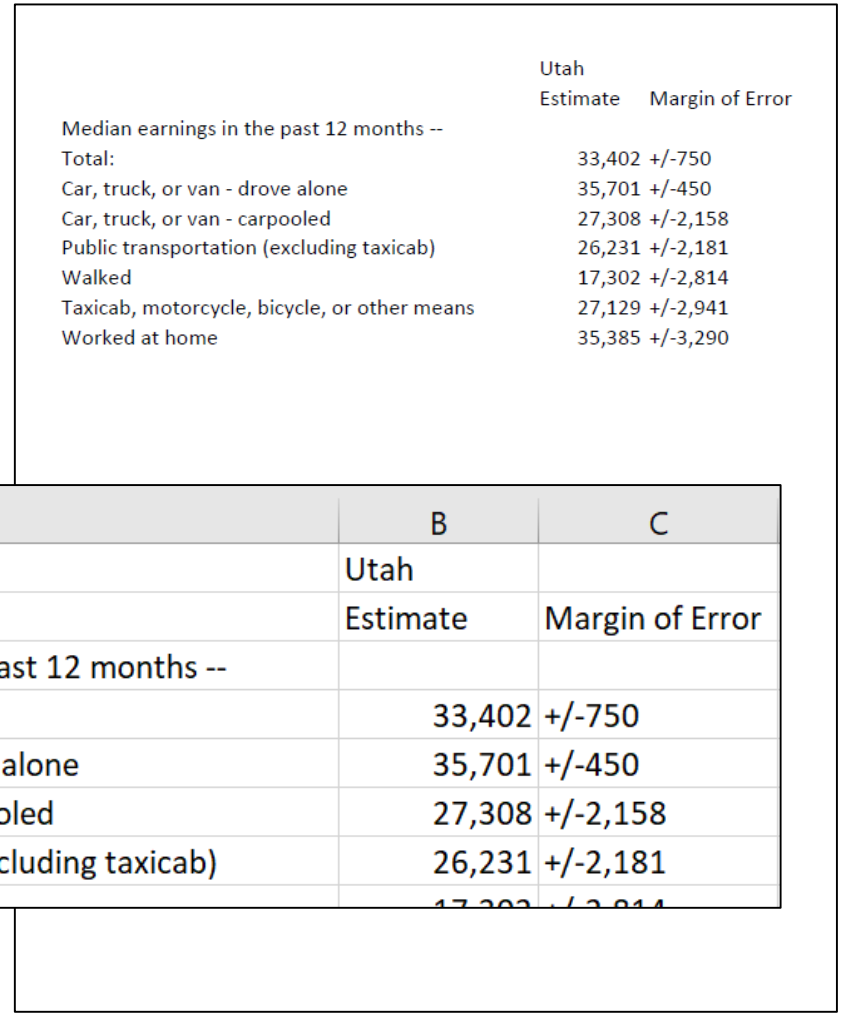
- Copy cells
- Copy cells with header
- Export entire table: Small tables less than 400 rows by 400 columns

Print from Excel or convert to PDF

Right click – To View or Print Data

Download – To Use the Data

(flat file .csv format)



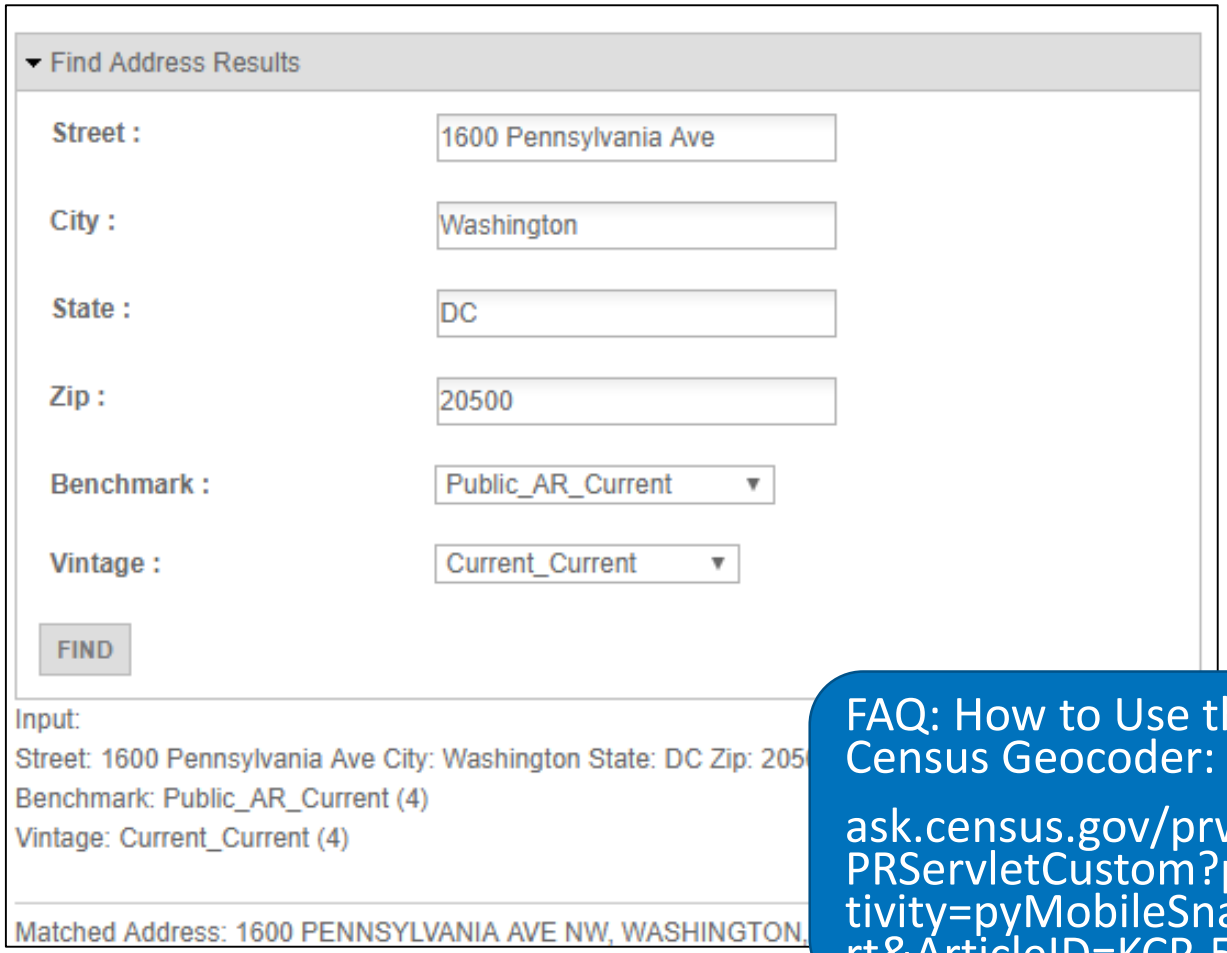
	Utah	
	Estimate	Margin of Error
Median earnings in the past 12 months --		
Total:	33,402	+/-750
Car, truck, or van - drove alone	35,701	+/-450
Car, truck, or van - carpooled	27,308	+/-2,158
Public transportation (excluding taxicab)	26,231	+/-2,181
Walked	17,302	+/-2,814
Taxicab, motorcycle, bicycle, or other means	27,129	+/-2,941
Worked at home	35,385	+/-3,290

	A	B	C
1		Utah	
2		Estimate	Margin of Error
3	Median earnings in the past 12 months --		
4	Total:	33,402	+/-750
5	Car, truck, or van - drove alone	35,701	+/-450
6	Car, truck, or van - carpooled	27,308	+/-2,158
7	Public transportation (excluding taxicab)	26,231	+/-2,181

Address Lookup

To find the census tract or other geographic areas associated with a particular address:

- Use the Census Geocoder and reference FAQ KCP-5495
- Use the Address Tab in the Geographies section of American FactFinder's Advanced Search



FAQ: How to Use the Census Geocoder:

ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5495

Shapefile Downloads

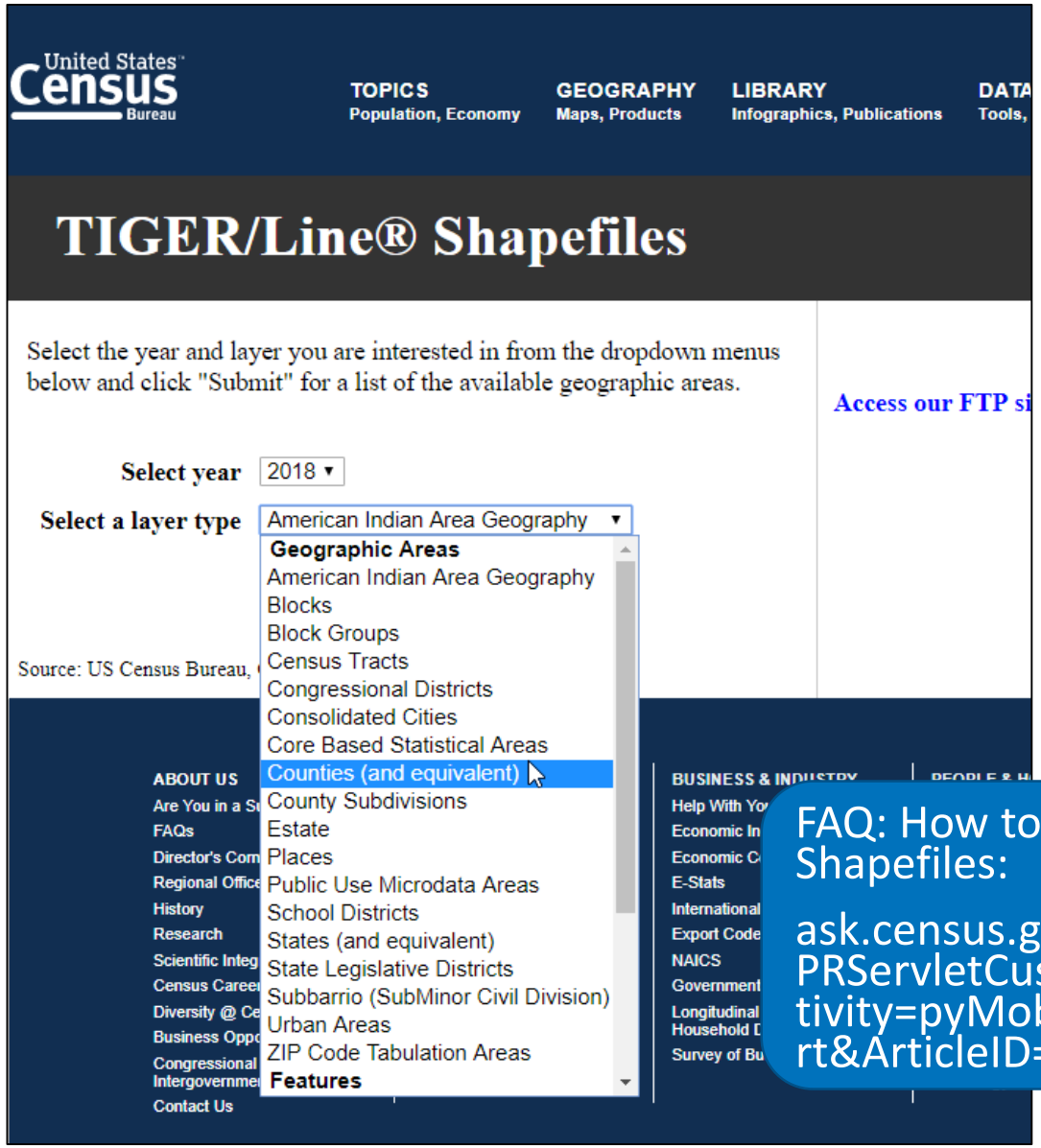
Multiple Options to Download Shapefiles:

Geography Resources

1. Shapefiles for common types of geographic areas: Use the TIGER/Line Shapefiles web interface and reference FAQ KCP-5491
2. Shapefiles for all geographic areas: Use the FTP site and see the educational brochure on Downloading TIGER/Line Shapefiles

American FactFinder

- Use map download options to get Shapefiles from 2018 and prior years



FAQ: How to Download Shapefiles:

ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5491

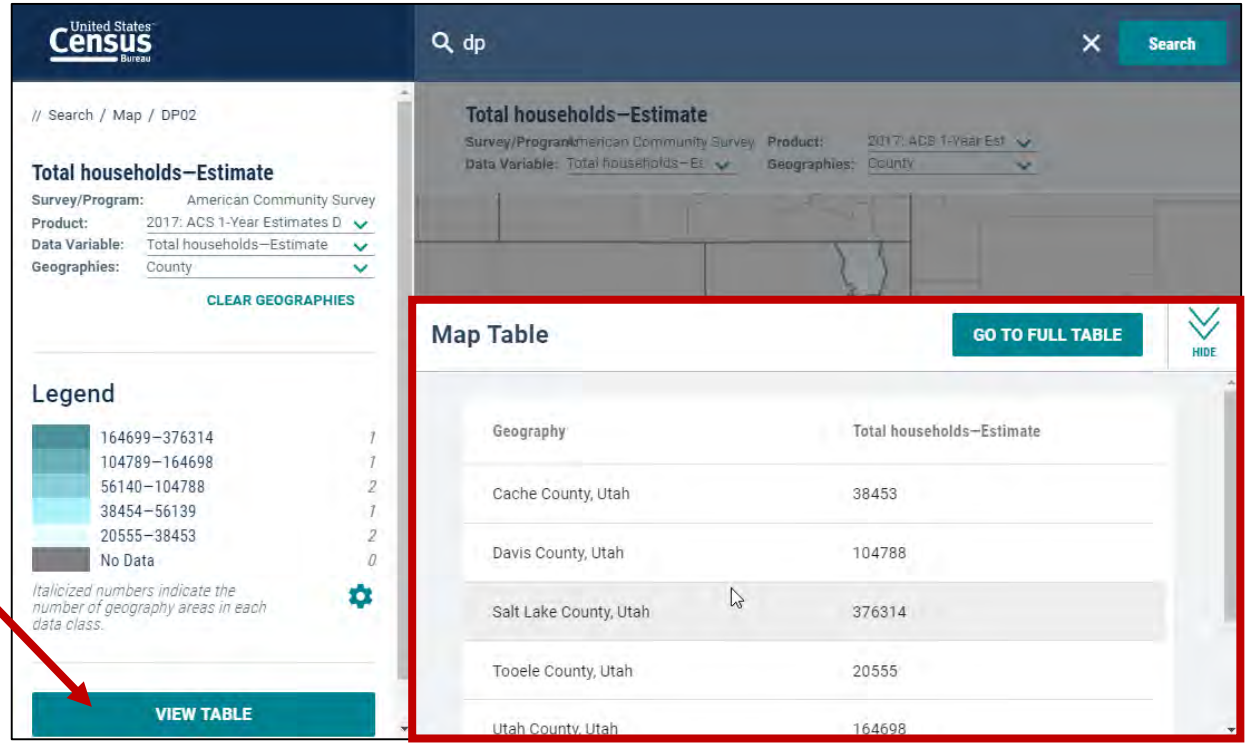
Overcoming Roadblocks:
Functionality that is Different

Geographic Comparison Tables and Ranking Tables

Geographic Comparison Table:

data.census.gov offers more flexibility to create a view similar to a Geographic Comparison Table for any estimate and set of geographies

- Map the estimate you are interested in and select “View Table” in the left panel of the “Customize Map” view

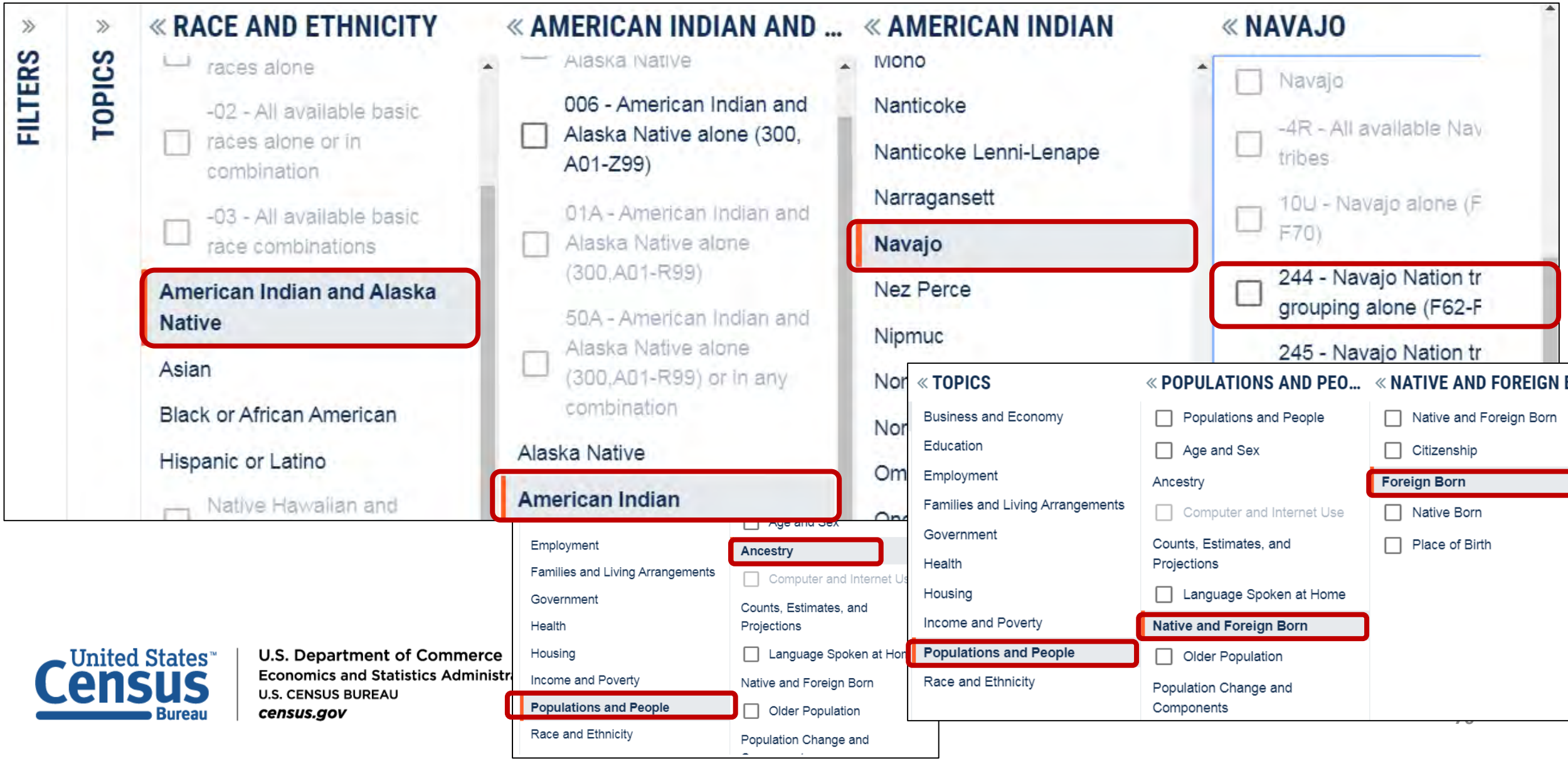


Ranking Table:

- Download ACS Ranking Tables from the FTP site (new for 2018 ACS 1-year release) census.gov/acs/www/data/data-tables-and-tools/ranking-tables/

Topics Hierarchy

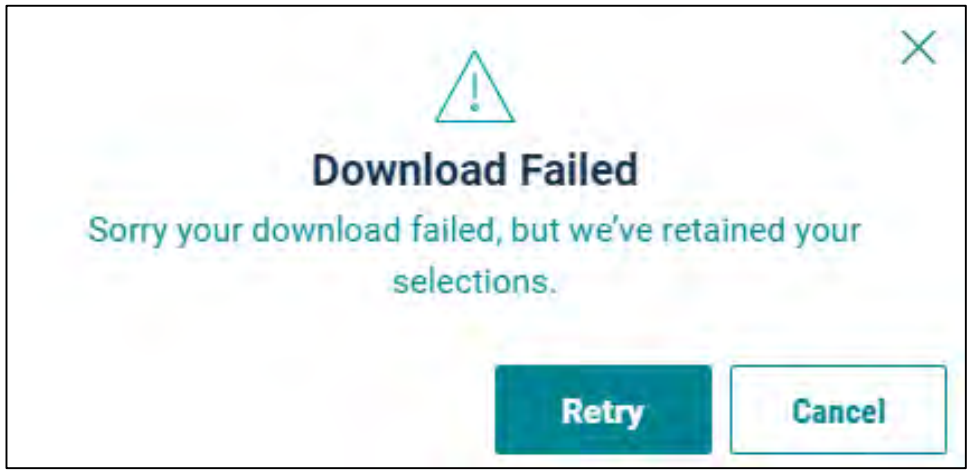
Topics Hierarchy has changed: Familiarize yourself with new topics layout.



United States Census Bureau

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

Download Errors



Break your download into smaller pieces by using:

- Fewer geographies
- Fewer tables/vintages in a single download
- Smaller tables

  Example: Download median income from Detailed Table B19013 instead of Subject Table S1903

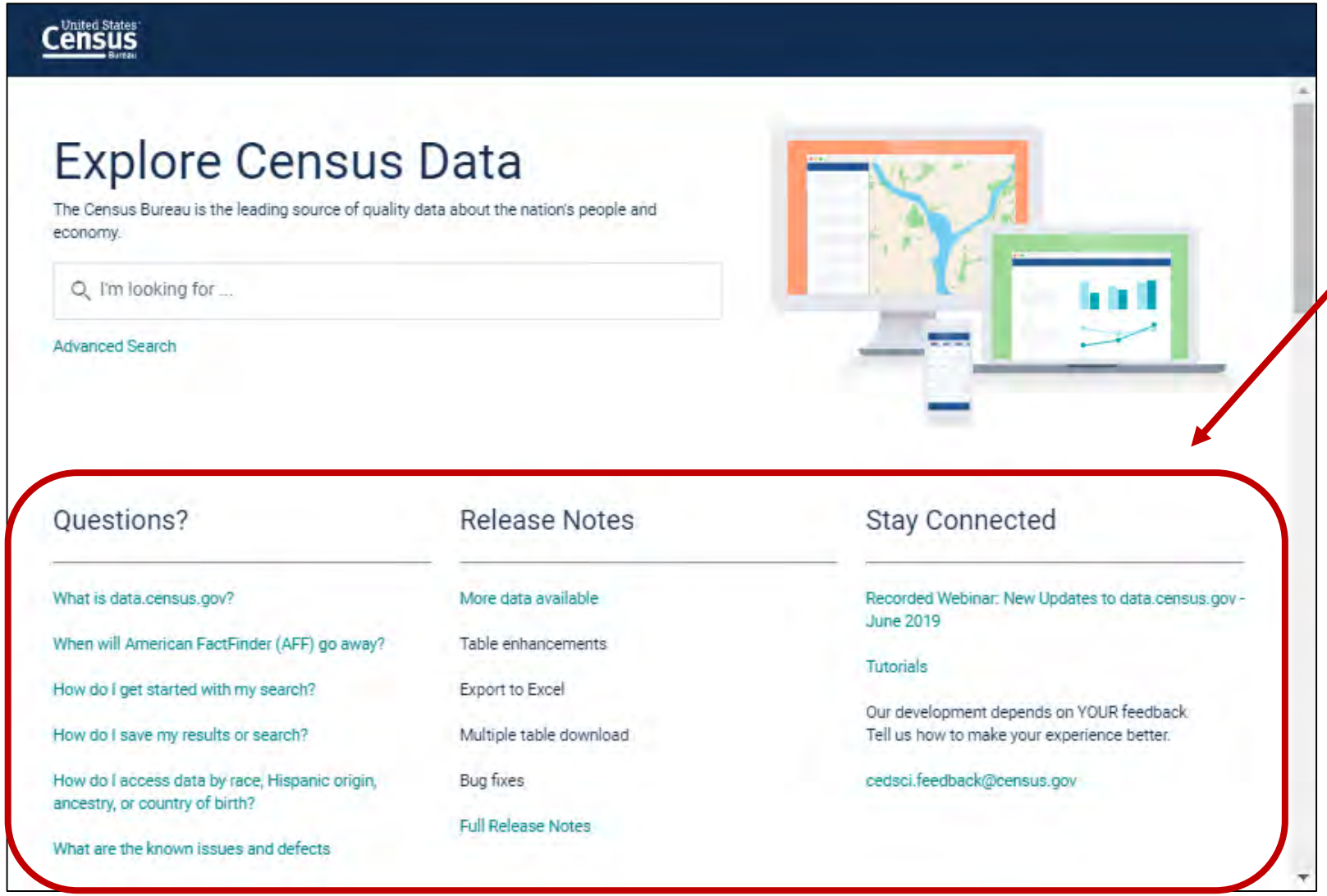
Download from FTP Sites:

Links to FTP sites on data.census.gov

Census Bureau's Data API

census.gov/developers

Links to Educational Materials



New links to educational materials and resources:

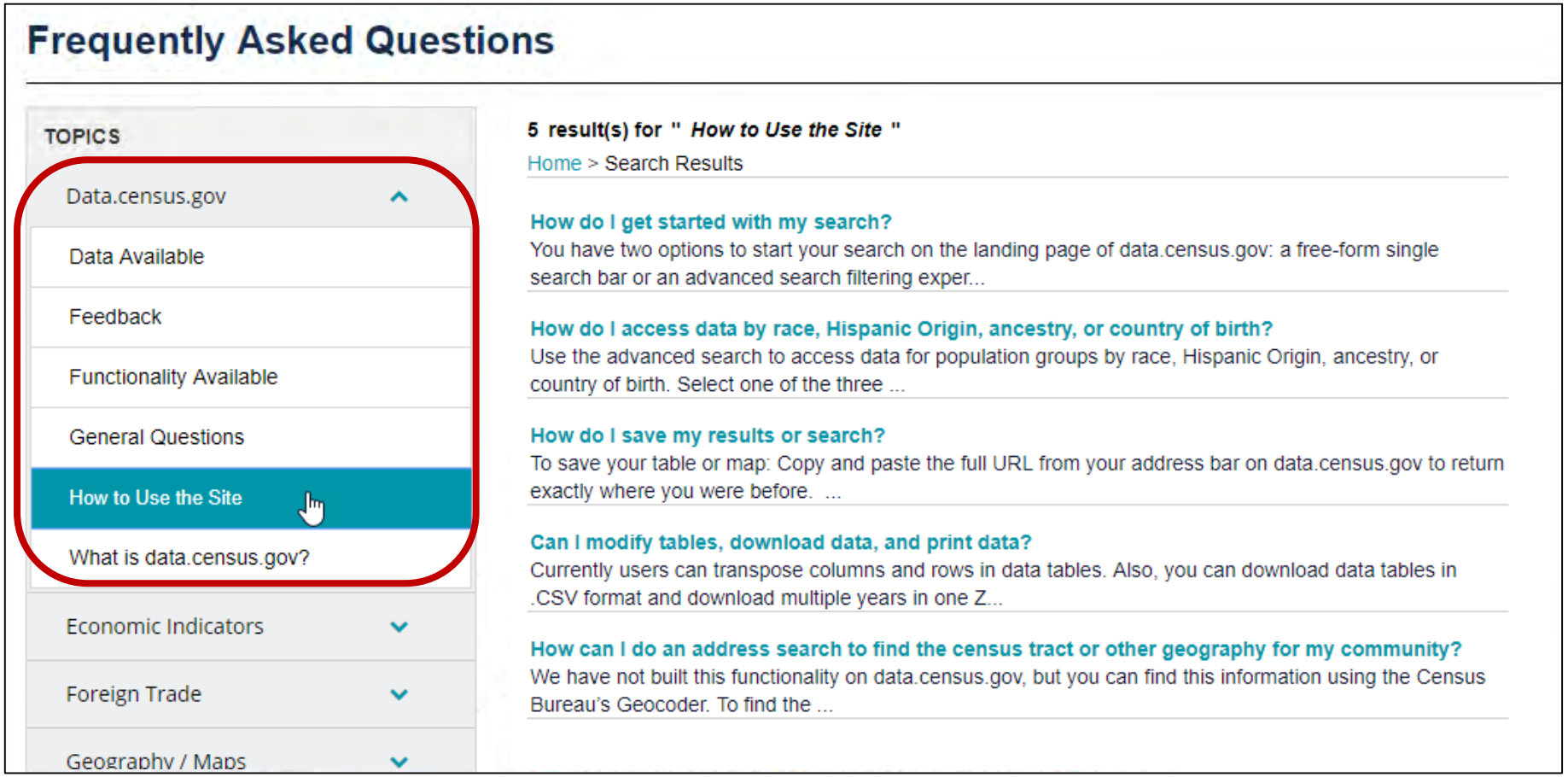
- Frequently Asked Questions (FAQs)
- Release Notes
- Stay Connected

Frequently Asked Questions

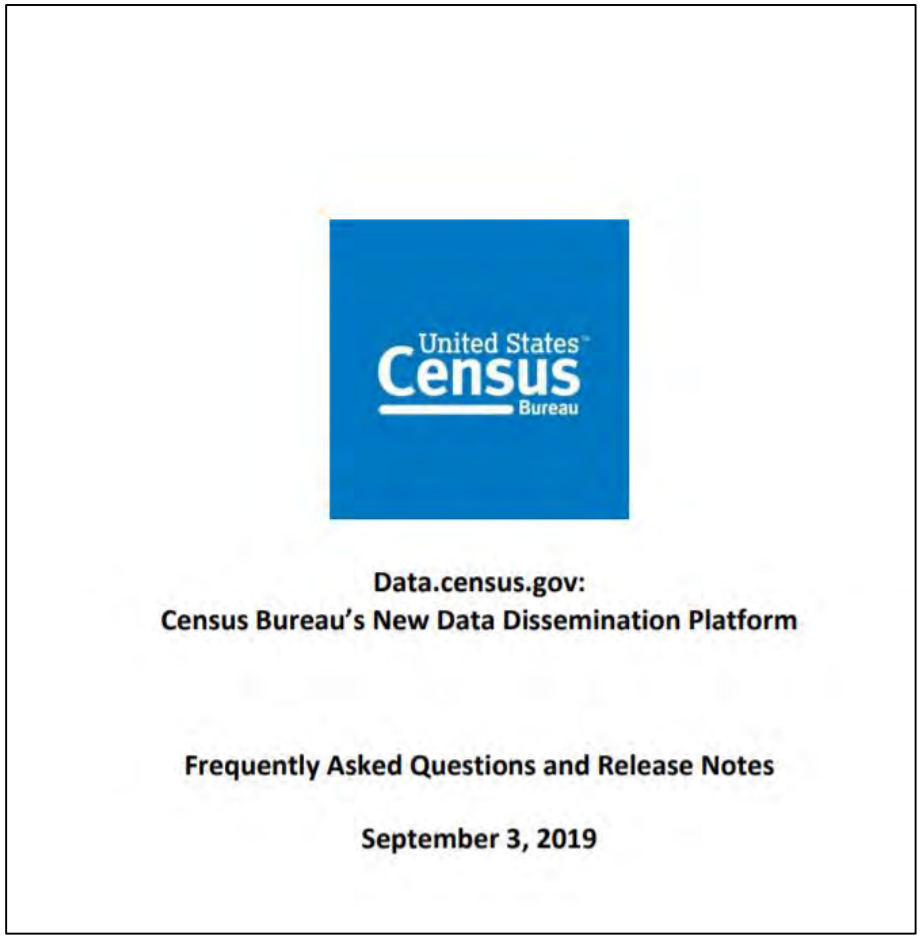
New data.census.gov topic in Census Bureau's FAQs

Browse through the six subtopics to explore an answer to your data.census.gov question

ask.census.gov



Release Notes



Browse Release Notes to Explore

- Features
- Chart of available data
- Known issues and defects

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

Stay Connected: Webinars, Tutorials, and Feedback

Data.census.gov Resources page:
https://www.census.gov/data/what-is-data-census-gov.html

Census Academy:
https://census.gov/data/academy/webinars/upcoming.html

- **Webinars:** Recorded and upcoming webinars on data.census.gov
- **Data Gems**: A series of short "How-To" videos

Feedback: Email comments to cedsci.feedback@census.gov

NEW Data Gems:

census.gov/data/academy/data-gems.html

Feedback

Email your comments to
cedsci.feedback@census.gov

Learn More and Share

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

data.census.gov Resources page
https://www.census.gov/data/what-is-data-census-gov.html

August Update Webinar:
census.gov/data/academy/webinars/2019/new-updates-data-census-site.html

Webinar: data.census.gov: Navigating a New Site for Census Bureau Data
census.gov/data/academy/webinars/2019/navigating-census-data.html

Questions?

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✍ Take-Home Exercise 1: Simple Search

- What are quick ways to find:
  - Median household income in Texas
  - Table S2701
  - All five Comparison Profile (CP) tables
  - Geography Profile for the city of Phoenix, AZ

✍ Take-Home Exercise 1: Simple Search

- What are quick ways to find:
  - Median household income in Texas **$59,206**
  - Table S2701

    Type S2701 in the single search
  - All five Comparison Profile (CP) tables

    Type 'cp' in the single search
  - Geography Profile for the city of Phoenix, AZ

    Type Phoenix in the single search and click the Phoenix city, Arizona Profile

✍ Take-Home Exercise 1a: Median household income in Texas

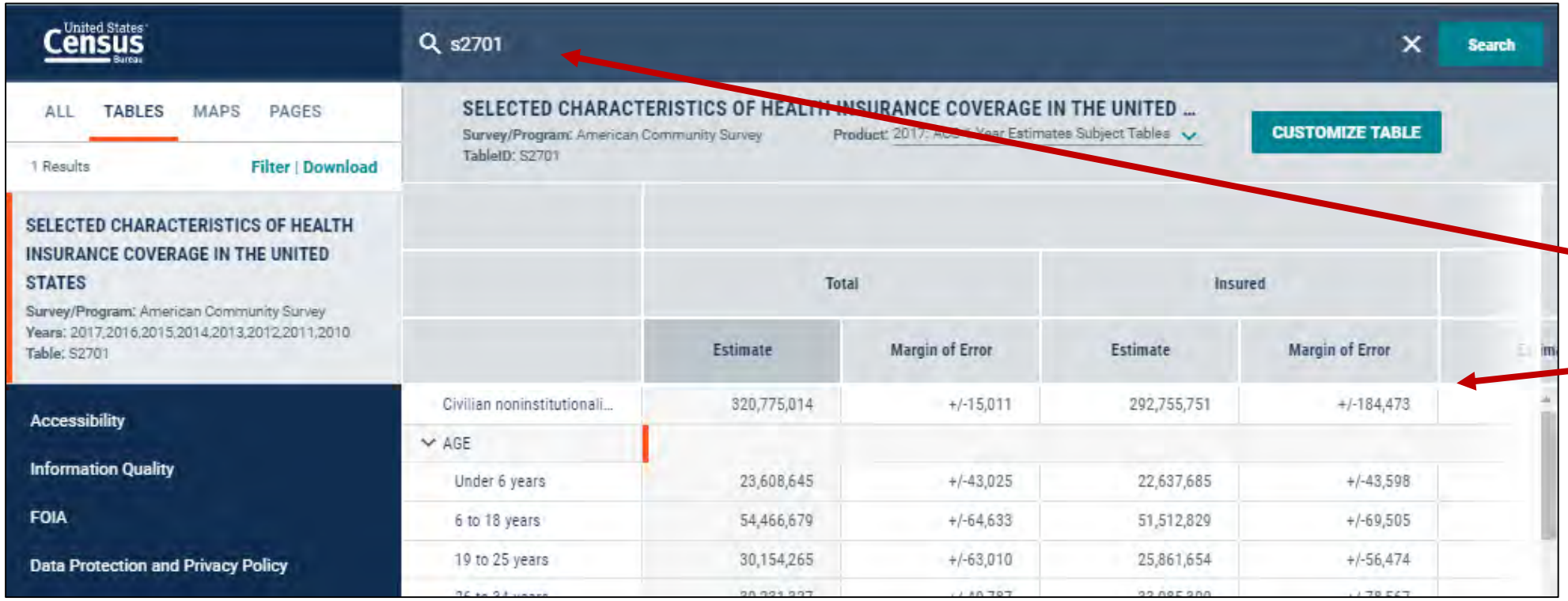
Answer: $59,206

Using the single search bar

- Type topic + geography
  - Income Texas
  - Median Income Texas
- View featured result at the top of the page

✍ Take-Home Exercise 1b : Table S2701

Answer: Type S2701 in the single search



Using the single search bar

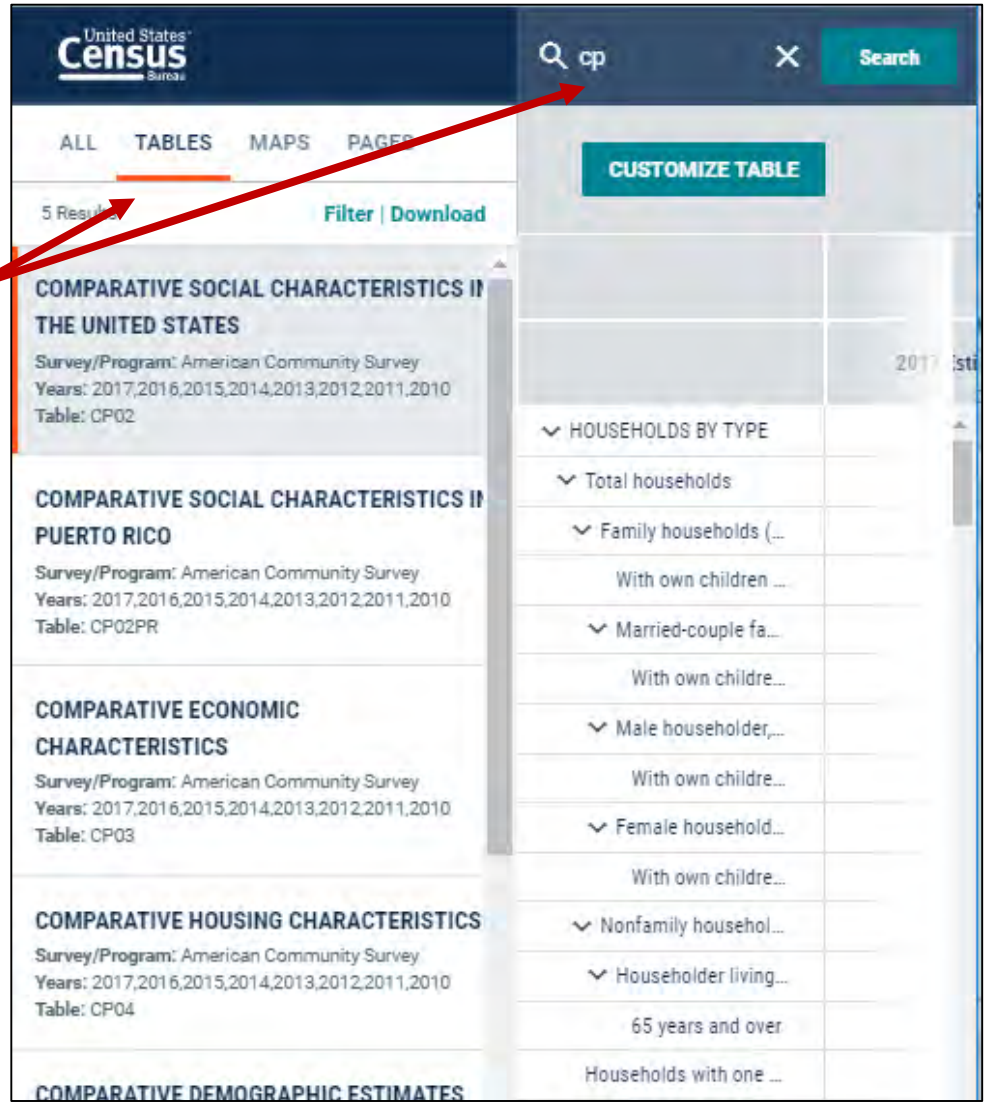
- Type S2701 **in the single search**
- View the table result

✍ Take-Home Exercise 1c: All five Comparison Profile (CP) tables

Answer: Type ‘cp’ in the single search

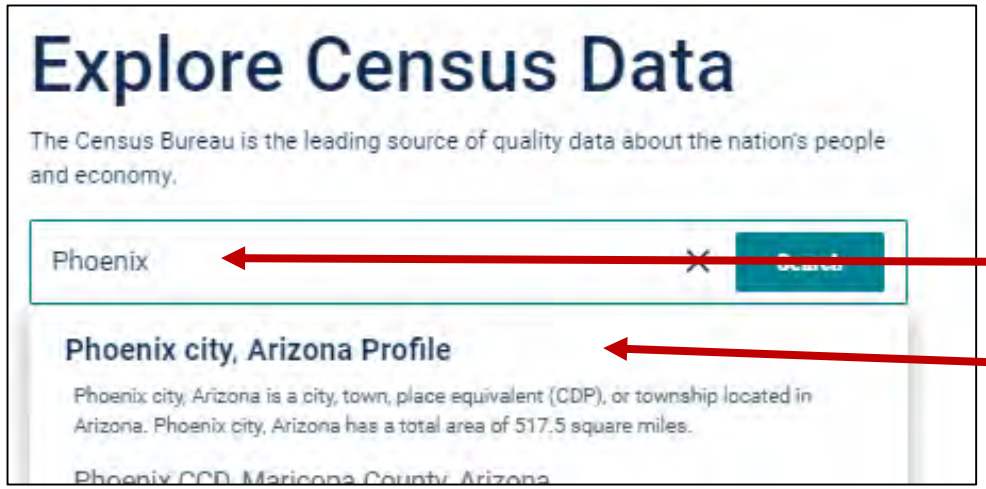
Using the single search bar

- Type the prefix for the group of tables you want
  “cp”
- Click Tables to get to the table results page
- View all 5 results

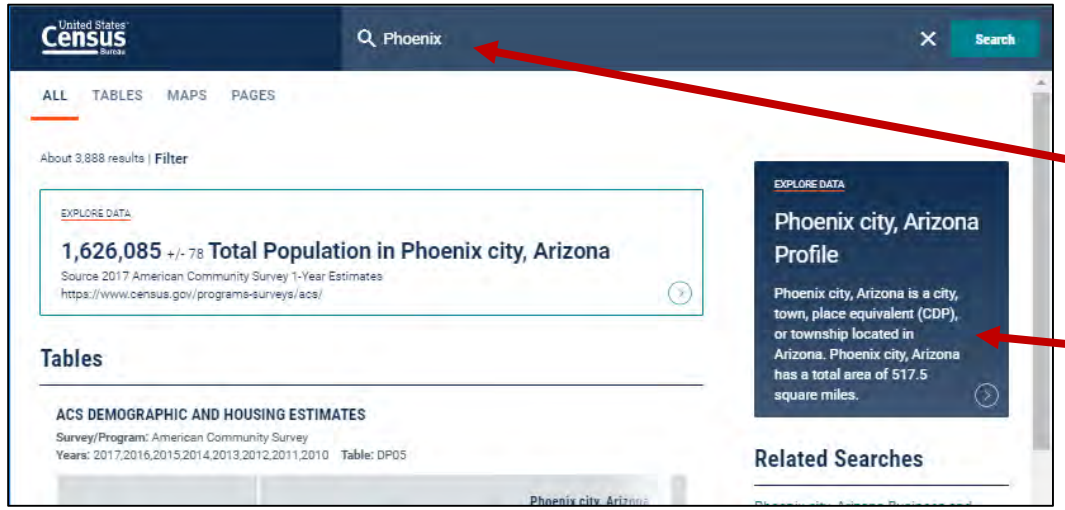


✍ Take-Home Exercise 1d: Geography Profile for the city of Phoenix, AZ

Single Search:



All Results Page:



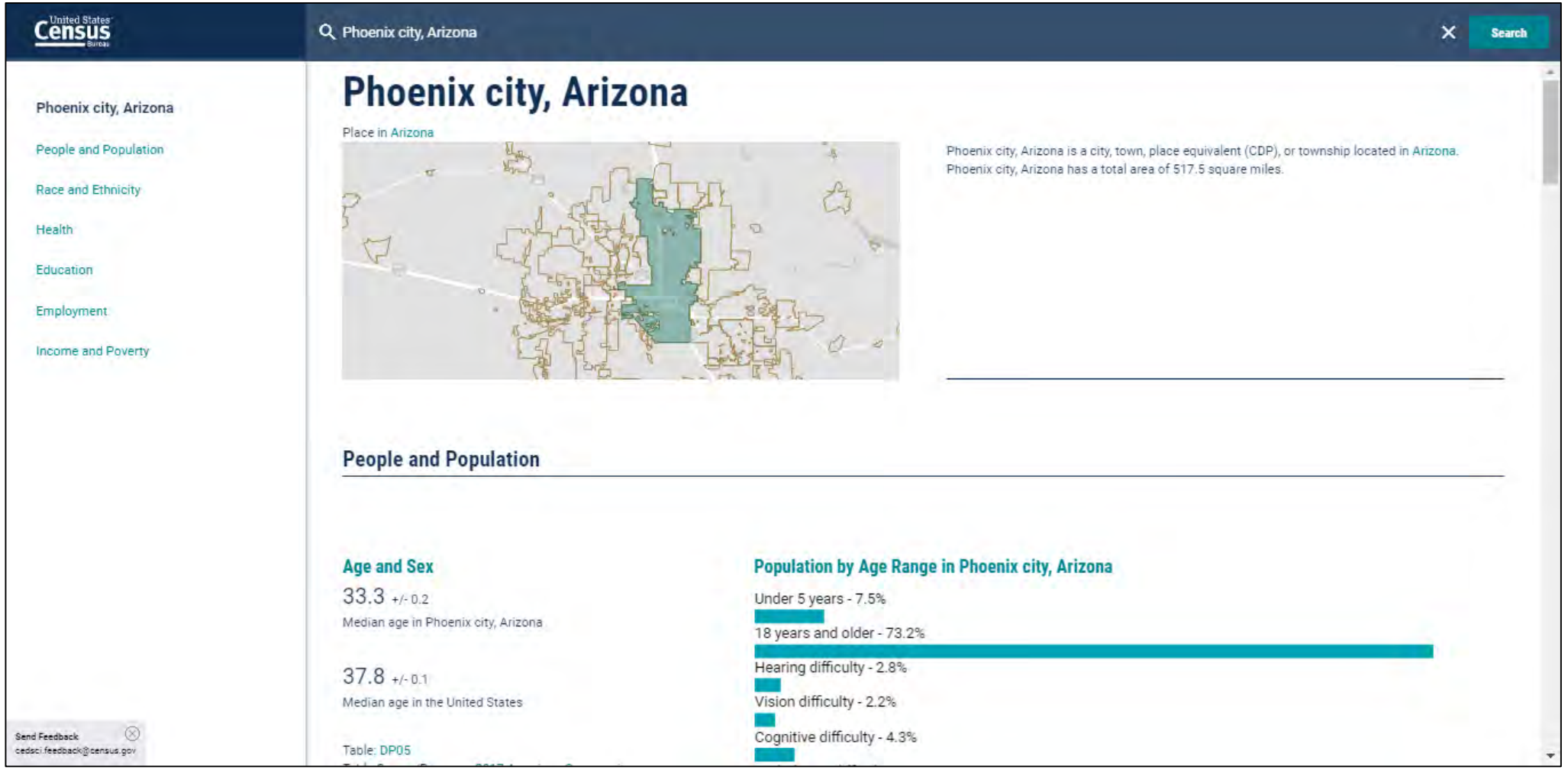
Two Ways to access the Geography Profile for Phoenix, AZ

1. **The Single Search Bar**
   - Type Phoenix in the single search bar
   - Click "Phoenix city, Arizona Profile"

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

✍ Take-Home Exercise 1d: Geography Profile for Phoenix city, Arizona

Geography Profile for Phoenix city, Arizona



✍ Take-Home Exercise 2: Advanced Search

- What percentage of people are now married, widowed, and divorced in Lincoln County, Oregon?

- Using data from the 2012 Economic Census, what is the amount of sales (in thousands) for restaurants and other eating places (NAICS Code 7225) in each county in Vermont?

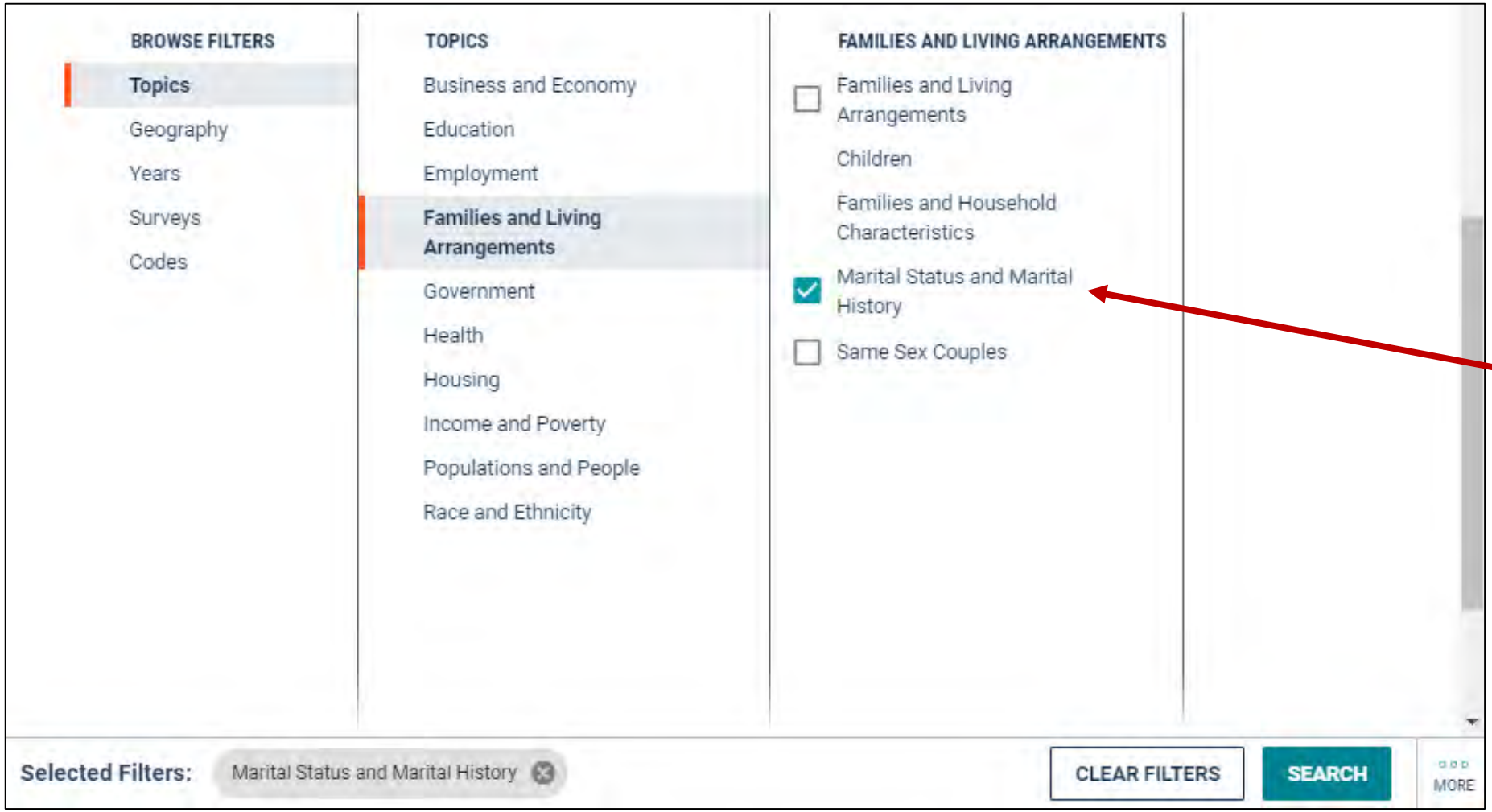
✍ Take-Home Exercise 2: Advanced Search

- What percentage of people are now married, widowed, and divorced in Lincoln County, Oregon?

Now Married: **50.7 %** Widowed: **7.5 %** Divorced: **15.6 %**

- Using data from the 2012 Economic Census, what is the amount of sales (in thousands) for restaurants and other eating places (NAICS Code 7225) in each county in Vermont? **View the 'Sales ($1,000)' column in table EC1272A1**

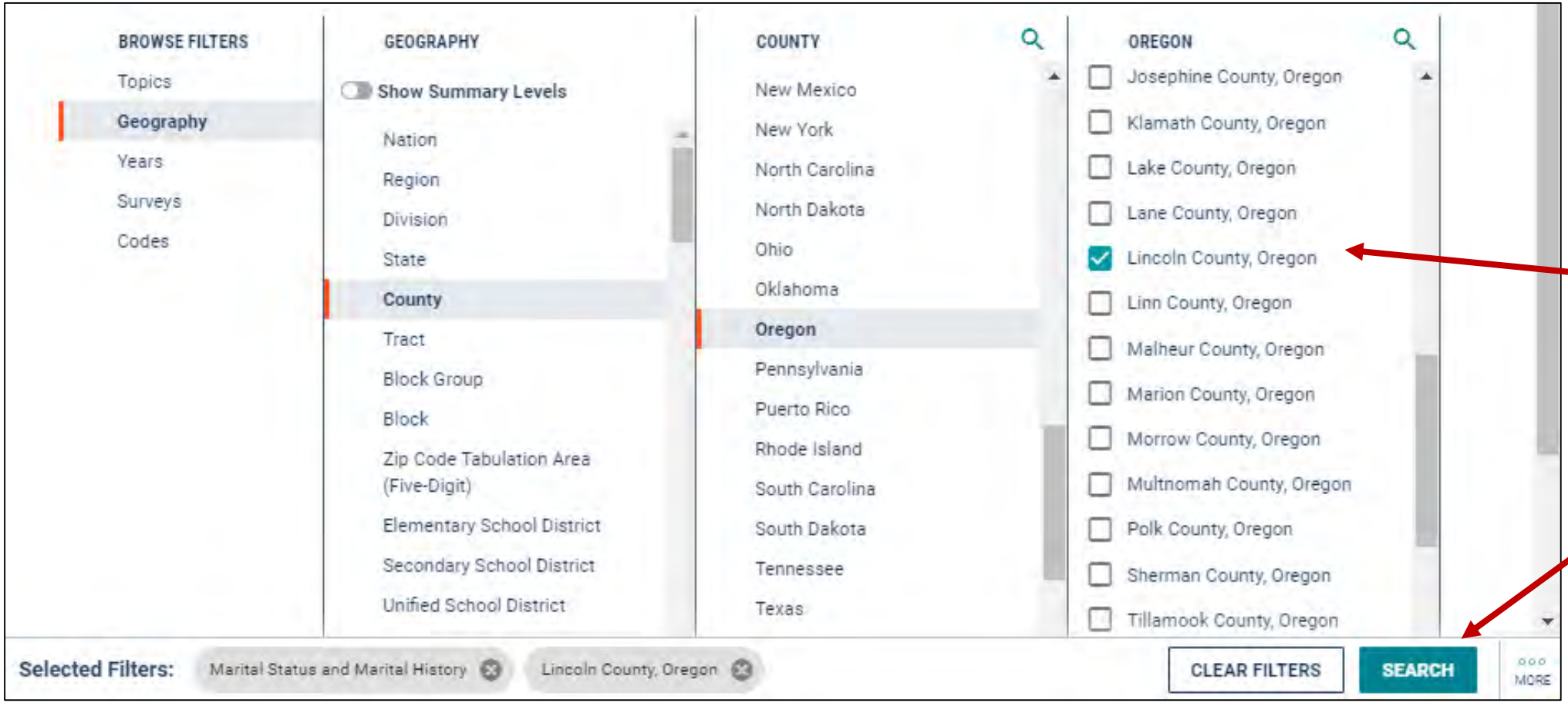
✍ Take-Home Exercise 2a: What percentage of people are now married, widowed, and divorced in Lincoln County, Oregon?



Using the advanced search

- **Select the Topic Marital Status and Marital History**
  Topics → Families and Living Arrangements → Marital Status and Marital History

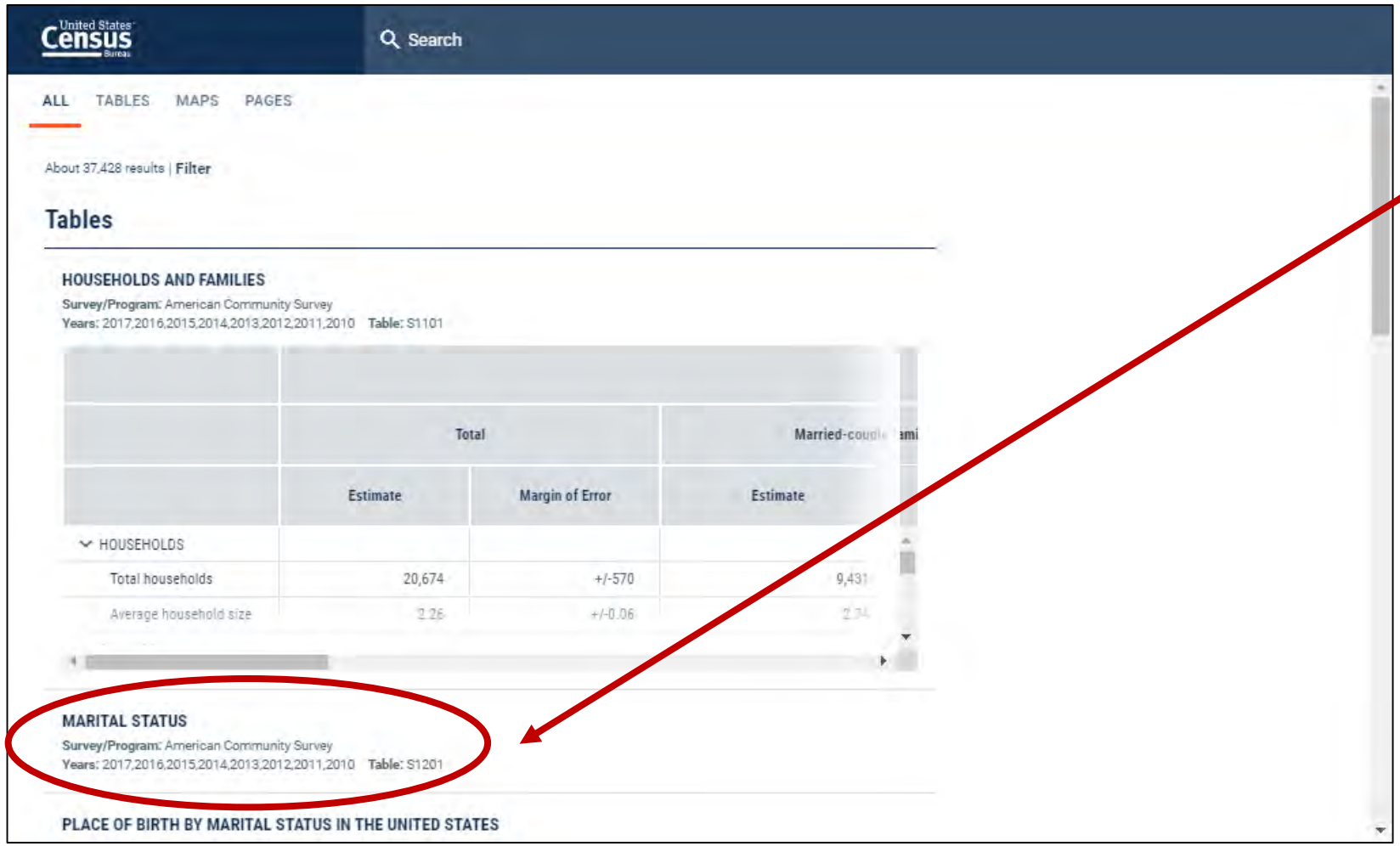
✍ Take-Home Exercise 2a: What percentage of people are now married, widowed, and divorced in Lincoln County, Oregon?



Using the advanced search

- **Select Lincoln County, Oregon**
  Geography → County (with summary level toggle turned off) → Oregon → Lincoln County, Oregon
- Click search

✍ Take-Home Exercise 2a: What percentage of people are now married, widowed, and divorced in Lincoln County, Oregon?



- Select the second table on the All Results page, **S1201, Marital Status**

✍ Take-Home Exercise 2a: What percentage of people are now married, widowed, and divorced in Lincoln County, Oregon?

- Click 'Customize Table'

✍ Take-Home Exercise 2a: What percentage of people are now married, widowed, and divorced in Lincoln County, Oregon?

ANSWER:

Now Married: 50.7 % Widowed: 7.5 % Divorced: 15.6 %

// Search / Tables / S1201

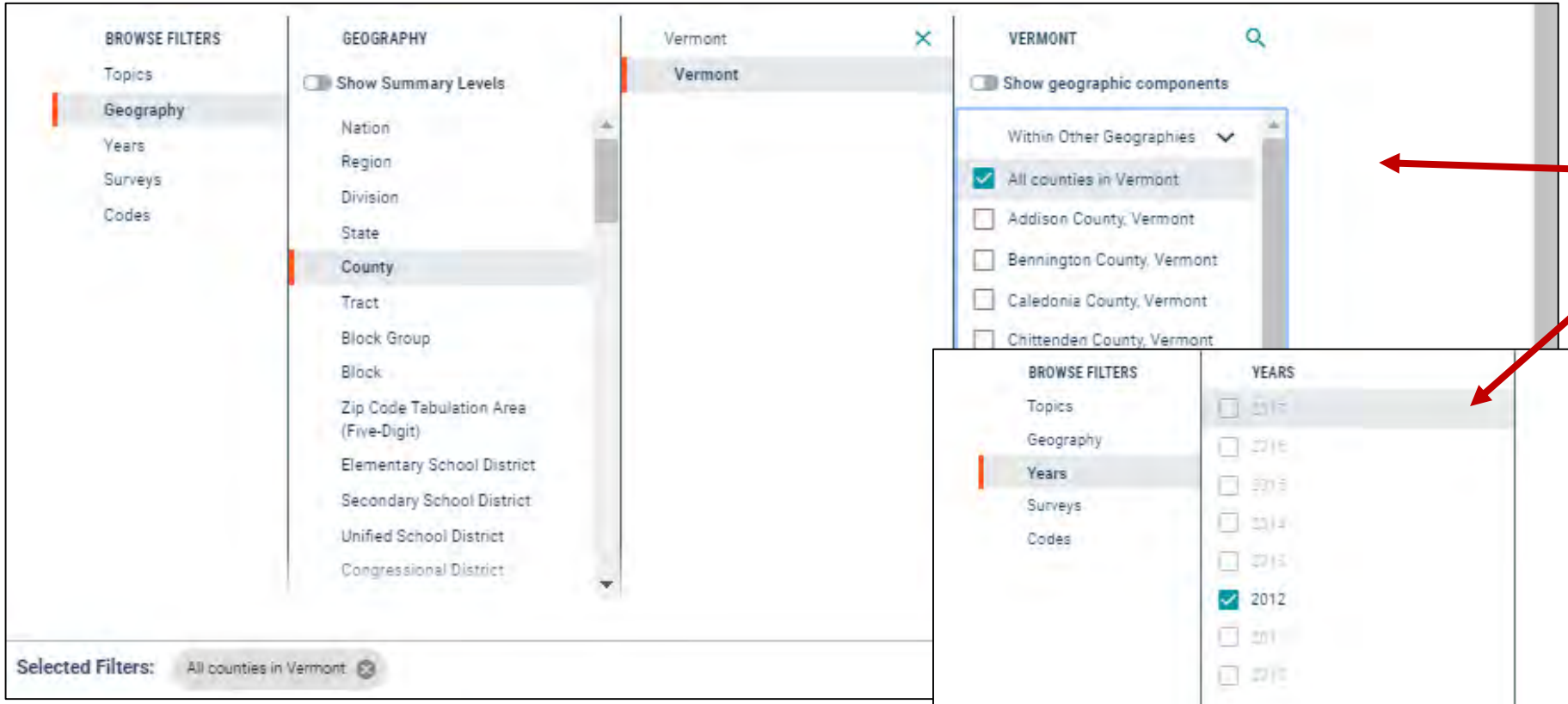
MARITAL STATUS

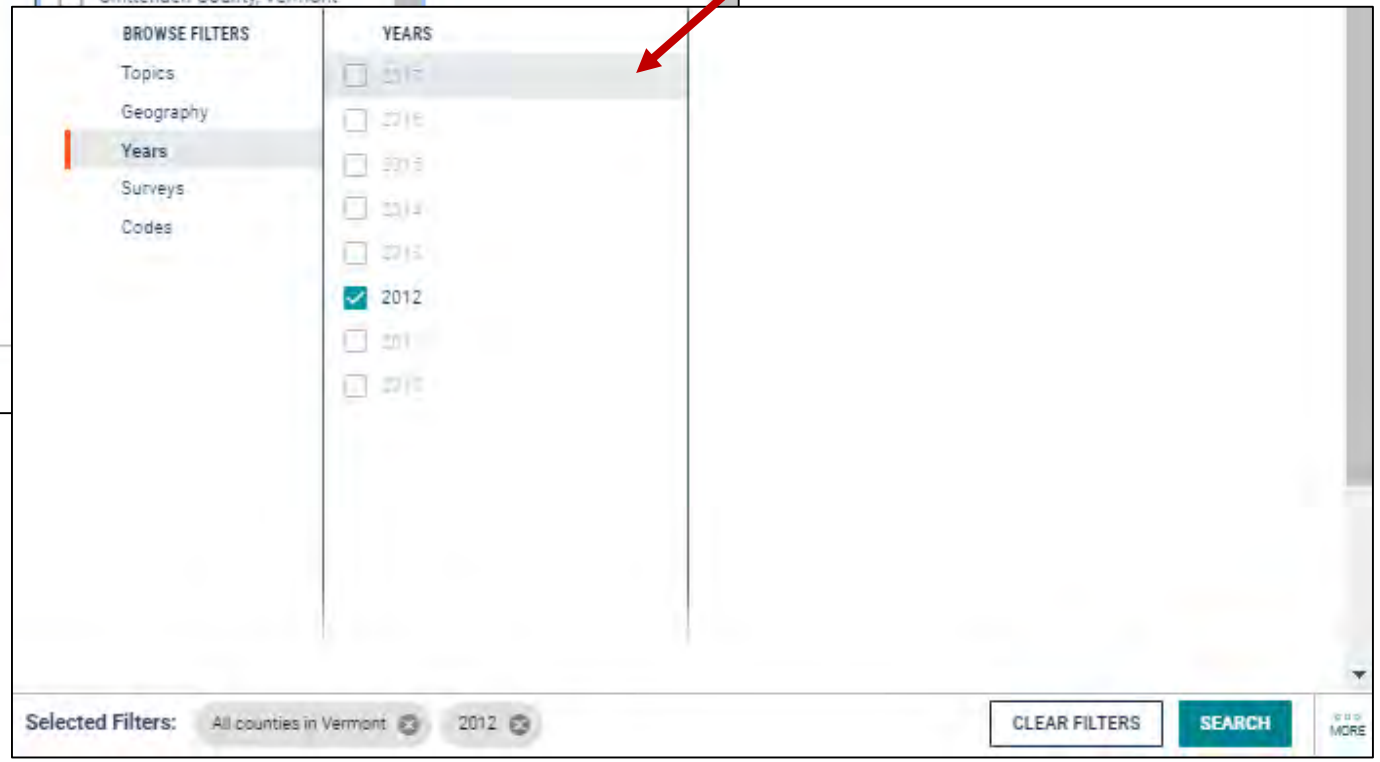
Survey/Program: American Community Survey TableID: S1201 Product: 2017: ACS 5-Year Estimates Subject Tables

Data Notes | 1 Geography | Years | 1 Topic | Survey | Code | Hide | Filter | Sort | Transpose Table | Margin of Error | Restore Layout | Download | Print | Share | More Data | Map

	Lincoln County, Oregon								
	Total		Now married (except separated)		Widowed		Divorced		
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Population 15 years and...	40,493	+/-53	50.7%	+/-2.1	7.5%	+/-0.7	15.6%	+/-1.2	
AGE AND SEX									
Males 15 years and ...	19,375	+/-82	52.0%	+/-2.1	3.3%	+/-0.7	14.7%	+/-1.6	
15 to 19 years	1,194	+/-84	0.0%	+/-2.7	0.0%	+/-2.7	0.0%	+/-2.7	
20 to 34 years	3,406	+/-82	28.3%	+/-4.7	0.1%	+/-0.1	5.8%	+/-3.1	
35 to 44 years	2,268	+/-103	55.1%	+/-6.1	0.0%	+/-1.4	13.0%	+/-4.9	
45 to 54 years	2,791	+/-118	51.2%	+/-6.8	1.2%	+/-1.3	23.3%	+/-5.4	
55 to 64 years	4,030	+/-50	62.9%	+/-4.1	2.2%	+/-1.0	20.2%	+/-3.5	

✍ Take-Home Exercise 2b: Using data from the 2012 Economic Census, what is the amount of sales (in thousands) for restaurants and other eating places (NAICS Code 7225) in each county in Vermont?





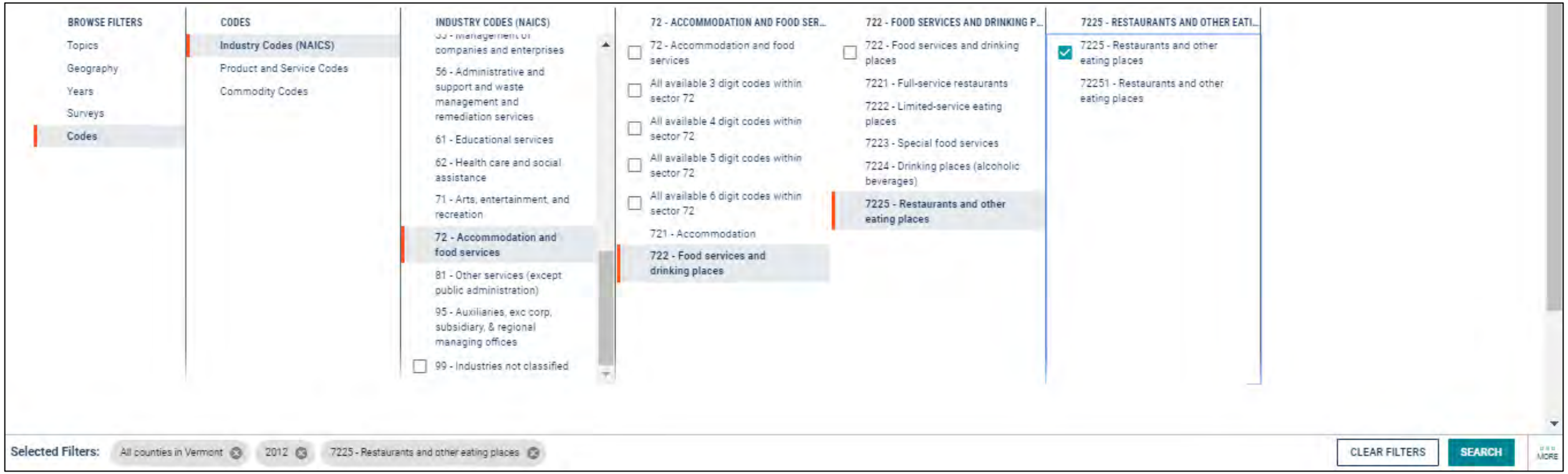
Using the advanced search

- **Select Vermont**
  Geography → County → Vermont → All counties in Vermont
- **Select the year**
  Years → 2012

✍ Take-Home Exercise 2b: Using data from the 2012 Economic Census, what is the amount of sales (in thousands) for restaurants and other eating places (NAICS Code 7225) in each county in Vermont?

Using the advanced search

- **Select Restaurants and other eating places (NAICS Code 7225)**
  Codes → Industry Codes (NAICS) → 72 – Accommodation and food services → 722 – Food services and drinking places→ 7225 – Restaurants and other eating places → 7225 – Restaurants and other eating places
- Click Search

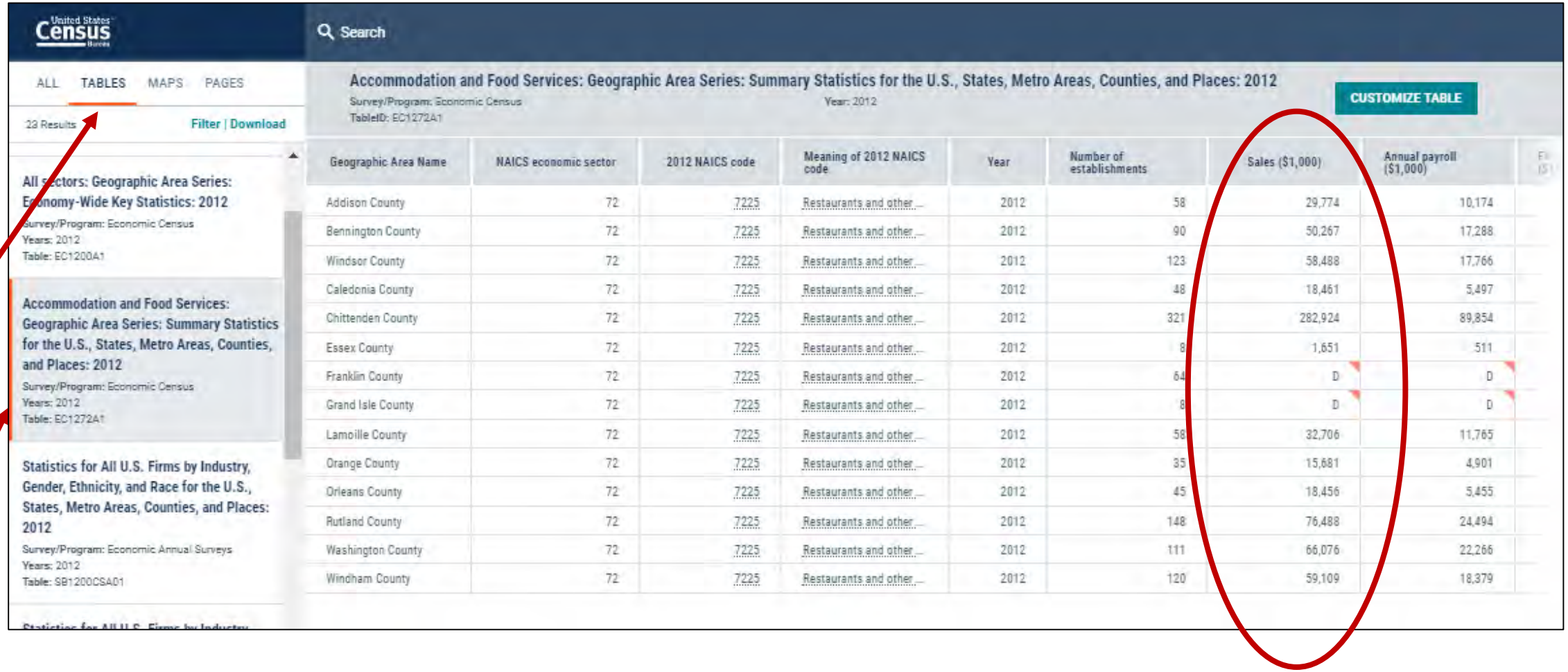


✍ Take-Home Exercise 2b: Using data from the 2012 Economic Census, what is the amount of sales (in thousands) for restaurants and other eating places (NAICS Code 7225) in each county in Vermont?

Answer: View the 'Sales ($1,000)' column in table EC1272A1

Using the advanced search

- Click Tables to get to the table results page
- View table EC1272A1



Geographic Area Name	NAICS economic sector	2012 NAICS code	Meaning of 2012 NAICS code	Year	Number of establishments	Sales ($1,000)	Annual payroll ($1,000)
Addison County	72	7225	Restaurants and other...	2012	58	29,774	10,174
Bennington County	72	7225	Restaurants and other...	2012	90	50,267	17,288
Windsor County	72	7225	Restaurants and other...	2012	123	58,488	17,766
Caledonia County	72	7225	Restaurants and other...	2012	48	18,461	5,497
Chittenden County	72	7225	Restaurants and other...	2012	321	282,924	89,854
Essex County	72	7225	Restaurants and other...	2012	8	1,651	511
Franklin County	72	7225	Restaurants and other...	2012	64	D	D
Grand Isle County	72	7225	Restaurants and other...	2012	8	D	D
Lamoille County	72	7225	Restaurants and other...	2012	58	32,706	11,765
Orange County	72	7225	Restaurants and other...	2012	35	15,681	4,901
Orleans County	72	7225	Restaurants and other...	2012	45	18,456	5,455
Rutland County	72	7225	Restaurants and other...	2012	148	76,488	24,494
Washington County	72	7225	Restaurants and other...	2012	111	66,076	22,266
Windham County	72	7225	Restaurants and other...	2012	120	59,109	18,379

✍ Take-Home Exercise 3: Customizing Your Table View

Using data from the 2017 American Community Survey (ACS) 1-Year estimates, create a table that shows average commute time for all counties in Connecticut.

- What is the average commute time for Fairfield County, Connecticut?
- How can we hide the margin of error (MOE) columns?
- How can we show only the columns with estimates only?

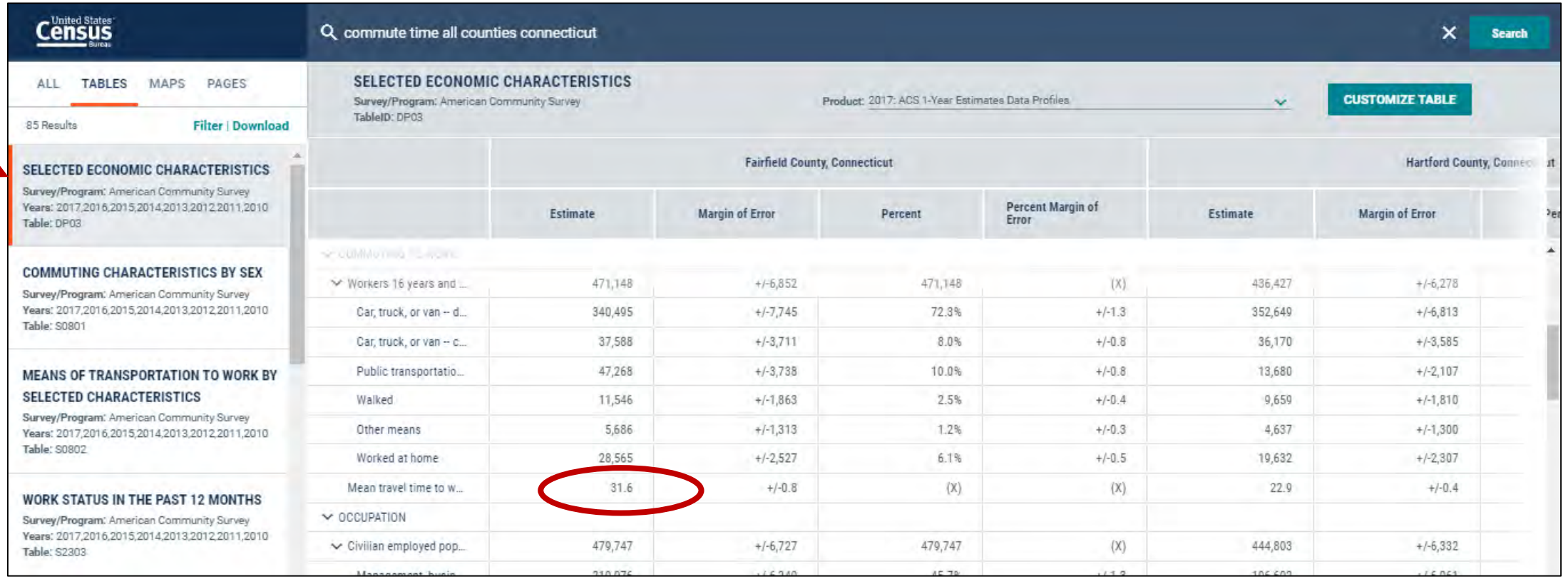
✍ Take-Home Exercise 3: Customizing Your Table View

Using data from the 2017 American Community Survey (ACS) 1-Year estimates, create a table that shows average commute time for all counties in Connecticut.

- What is the average commute time for Fairfield County, Connecticut? **31.6 minutes**
- How can we hide the margin of error (MOE) columns? **Click CUSTOMIZE TABLE, and then click the Margin of Error button.**
- How can we show only the columns with estimates only? **Click CUSTOMIZE TABLE, and then click Hide.**

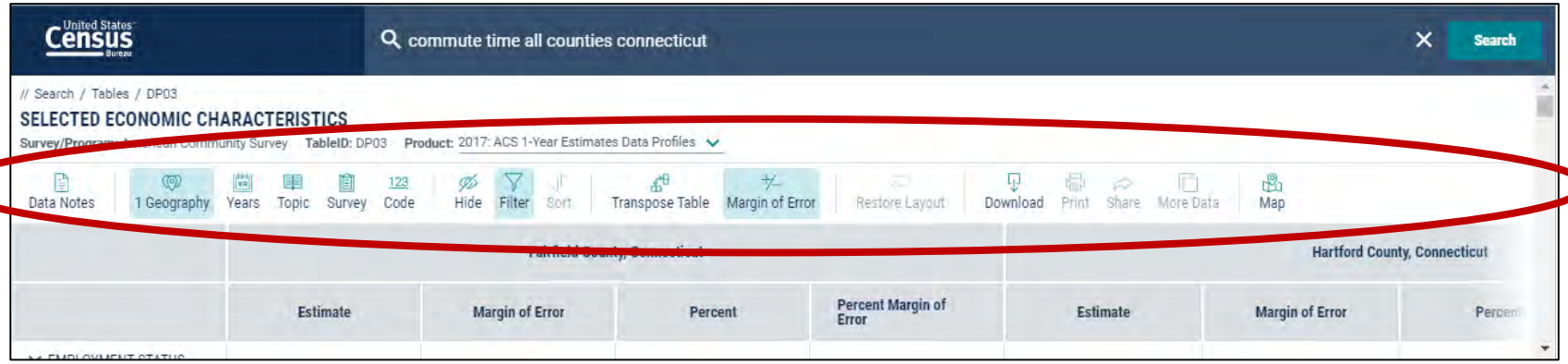
✍ Take-Home Exercise 3a: What is the average commute time for Fairfield County, Connecticut? 31.6 minutes

Use Table DP03



✍ Take-Home Exercise 3b: How can we hide the margin of error (MOE) columns?

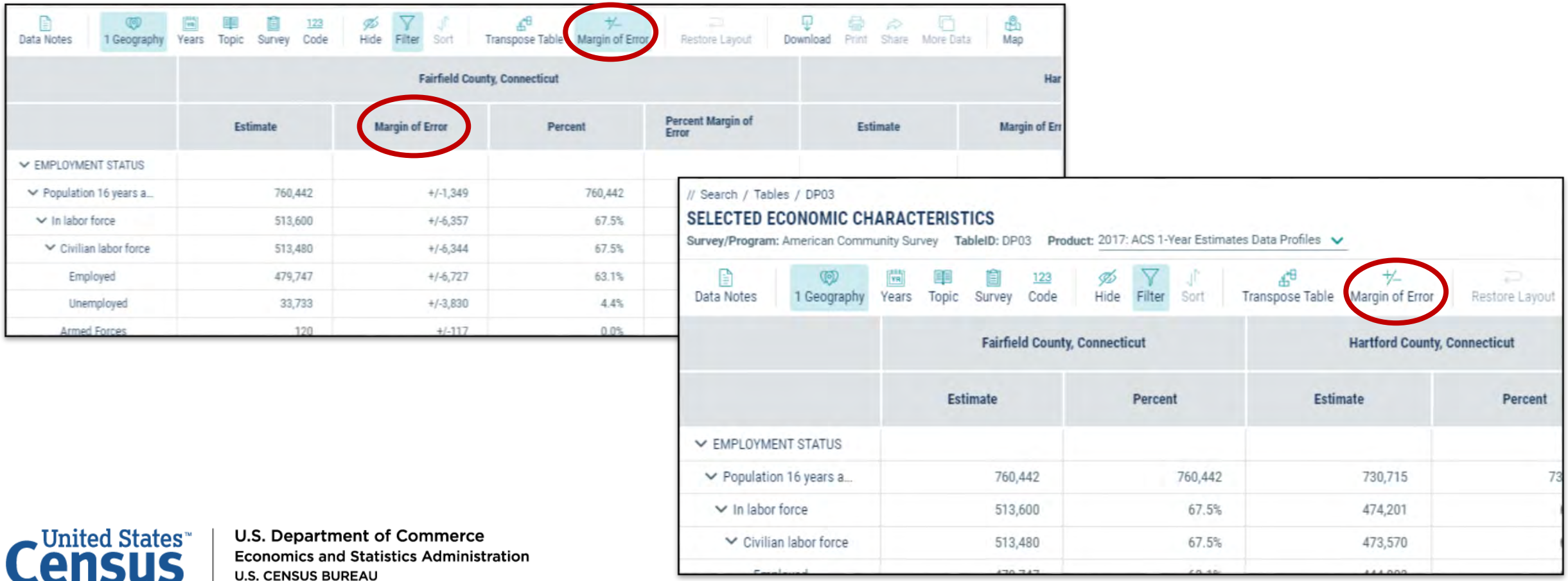
Look for **Customize Table** and the **Buttons** above the table to access the full set of options to customize your table.



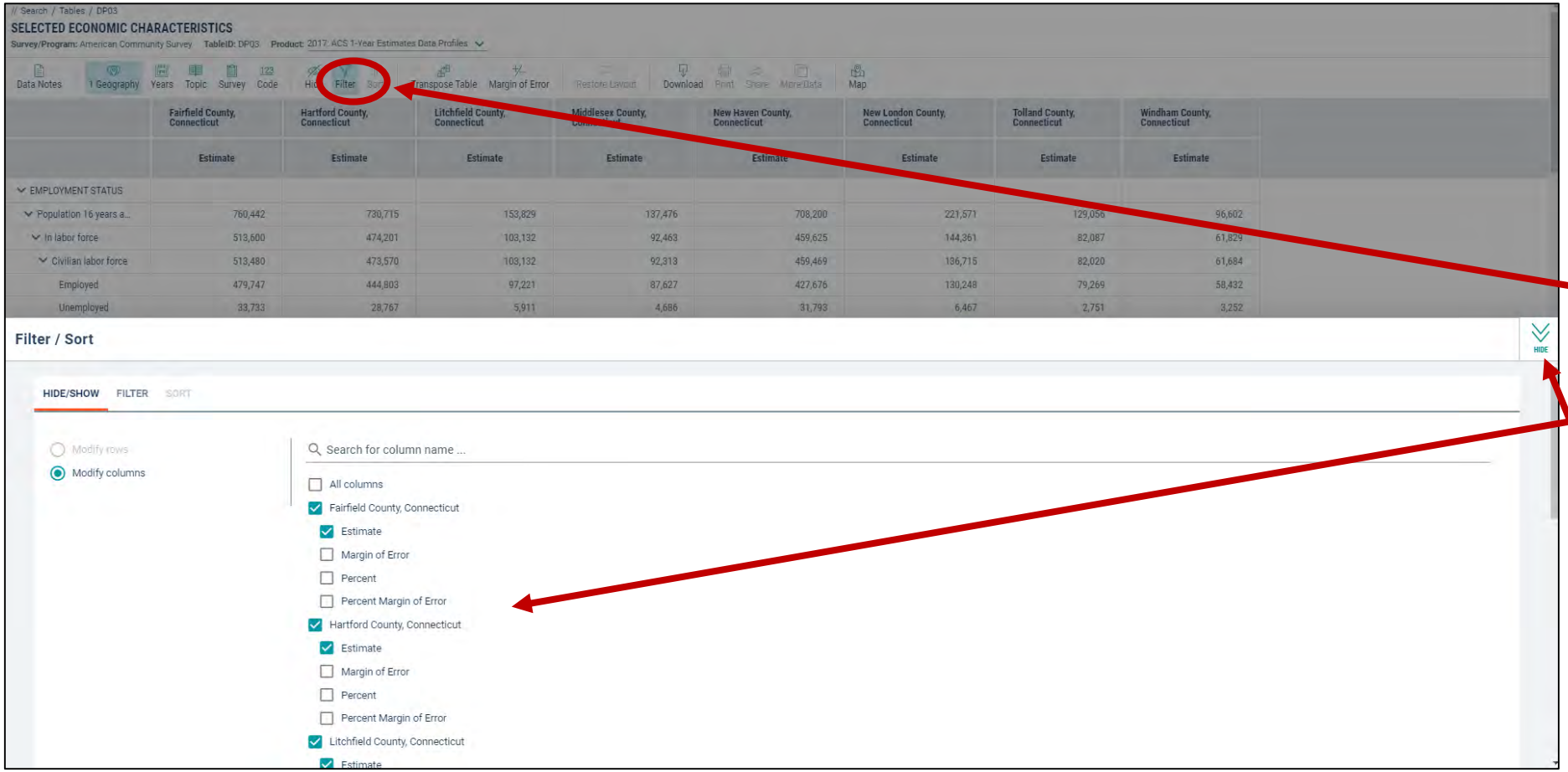
✍ Take-Home Exercise 3b: How can we hide the margin of error (MOE) columns? (continued)

Answer: Click CUSTOMIZE TABLE, and then click the Margin of Error button.

Click the **Margin of Error** button to toggle on and off the MOEs.



✍ Take-Home Exercise 3c: How can we show only the columns with estimates only?



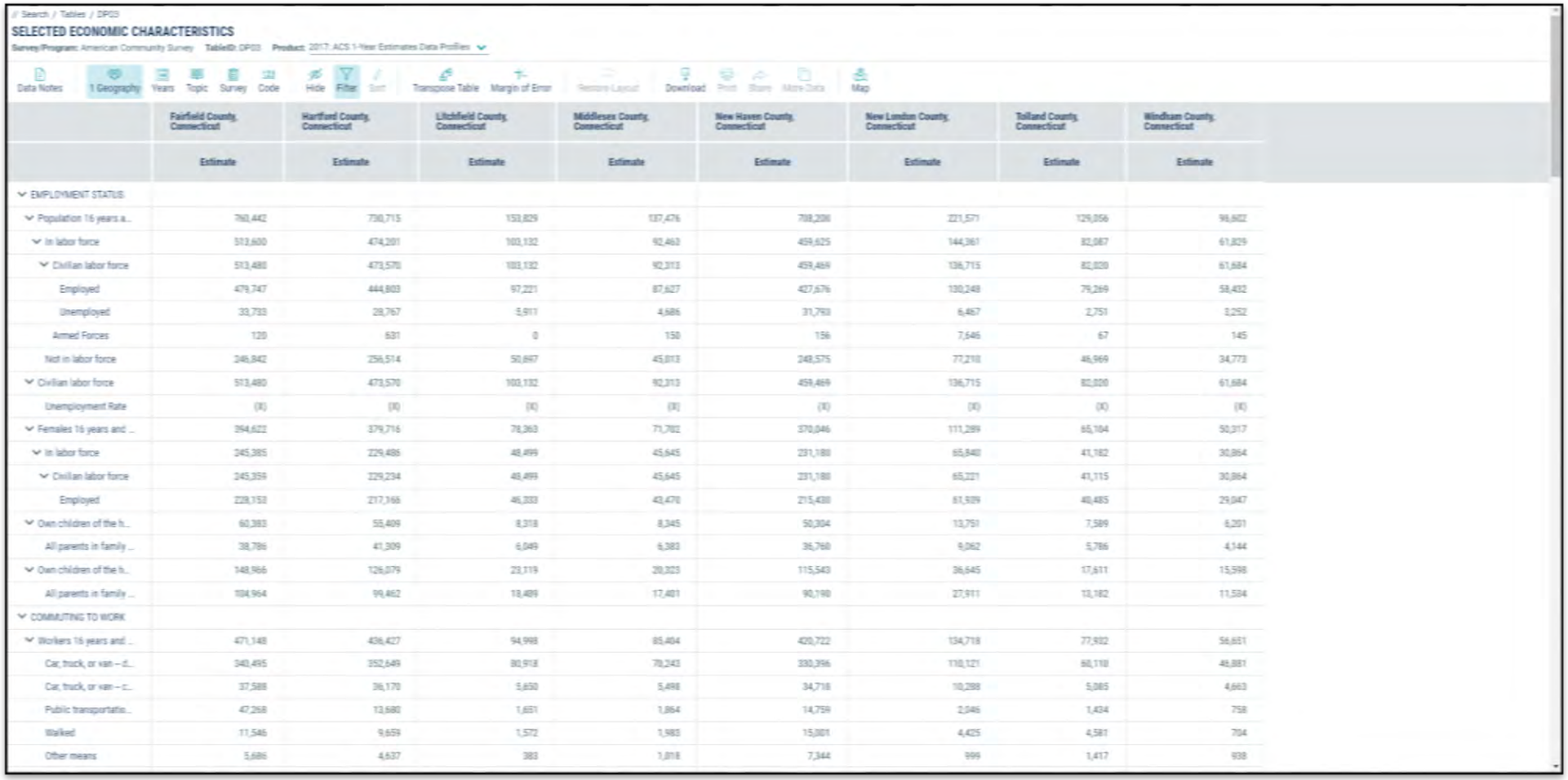
To hide columns in your table view:

- Select **Hide** from the table controls
- **Uncheck the boxes** next to:
  - **Estimate**
  - **Margin of Error**
- Click the **chevron** in the upper right

Note that you can hide Margin of Error from here also.

✍ Take-Home Exercise 3c: How can we show only the columns with estimates only? (continued)

Answer: Click CUSTOMIZE TABLE, and then click Hide.



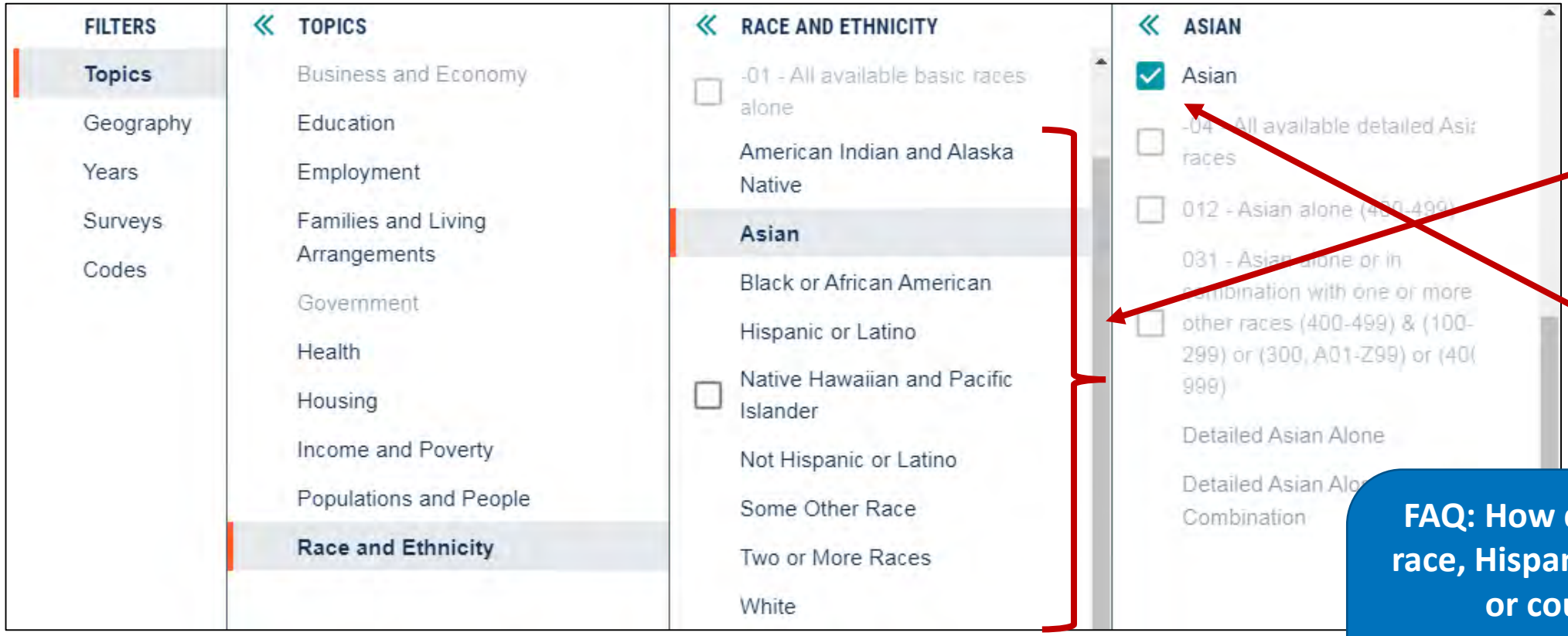
SELECTED ECONOMIC CHARACTERISTICS

Survey/Program: American Community Survey Table ID: DP03 Product: 2017 ACS 1-Year Estimates Data Profiles

Data Notes | 1 Geography | Years | Topic | Survey | Code | Hide | Filter | Sort | Transpose Table | Margin of Error | Restore Layout | Download | Print | Share | More Data | Map

	Fairfield County, Connecticut	Hartford County, Connecticut	Litchfield County, Connecticut	Middlesex County, Connecticut	New Haven County, Connecticut	New London County, Connecticut	Tolland County, Connecticut	Windham County, Connecticut
	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate
EMPLOYMENT STATUS								
Population 16 years a...	760,442	730,715	153,829	137,476	708,208	221,571	129,056	98,602
In labor force	513,600	474,201	103,132	92,463	459,625	144,361	82,087	61,829
Civilian labor force	513,480	473,570	103,132	92,313	459,469	136,715	82,020	61,684
Employed	479,747	444,803	97,221	87,627	427,676	130,249	79,269	58,432
Unemployed	33,733	28,767	5,911	4,686	31,793	6,467	2,751	3,252
Armed Forces	120	631	0	150	156	7,646	67	145
Not in labor force	246,842	256,514	50,697	45,013	248,575	77,210	46,969	34,773
Civilian labor force	513,480	473,570	103,132	92,313	459,469	136,715	82,020	61,684
Unemployment Rate	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Females 16 years and ...	394,622	379,716	78,363	71,702	370,046	111,289	65,164	50,317
In labor force	245,385	229,486	48,499	45,645	231,188	65,840	41,182	30,864
Civilian labor force	245,359	229,234	48,499	45,645	231,188	65,221	41,115	30,864
Employed	228,153	217,166	46,333	43,470	215,438	61,929	40,485	29,047
Own children of the h...	60,383	55,409	8,318	8,345	50,304	13,751	7,589	6,201
All parents in family ...	38,786	41,309	6,049	6,383	36,760	9,062	5,786	4,144
Own children of the h...	148,966	126,079	23,119	20,323	115,543	36,645	17,611	15,598
All parents in family ...	104,964	99,462	18,489	17,401	90,190	27,911	13,182	11,584
COMMUTING TO WORK								
Workers 16 years and ...	471,148	436,427	94,998	85,404	420,722	134,718	77,932	56,651
Car, truck, or van – d...	340,495	352,649	80,918	70,243	330,396	110,121	66,110	46,881
Car, truck, or van – c...	37,588	36,170	5,650	5,498	34,718	10,288	5,085	4,663
Public transportatio...	47,268	13,680	1,651	1,864	14,759	2,046	1,434	758
Walked	11,546	9,659	1,572	1,983	15,001	4,425	4,581	704
Other means	5,686	4,637	383	1,018	7,344	999	1,417	938

Advanced Search: Accessing Distributions of Basic Race Groups



Topics → Race and Ethnicity

- Select a basic race or ethnic group
- Select the checkbox at the top for distributions

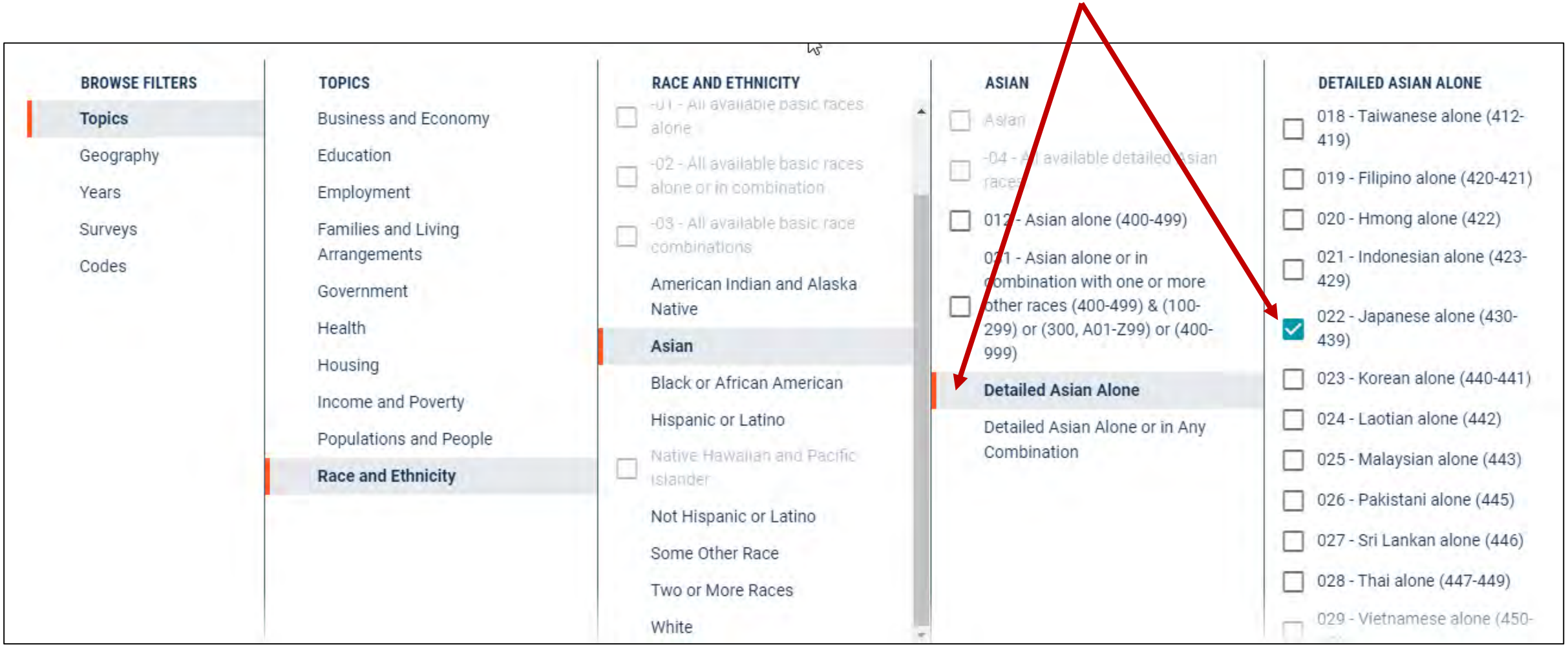
FAQ: How do I access data by race, Hispanic Origin, ancestry, or country of birth

ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5496

Advanced Search: Accessing Characteristics of Detailed Pop Groups

Topics → Race and Ethnicity

- Select results without checkboxes to drill deeper until you get to the most detailed population groups
- Example: Topics → Race and Ethnicity → Asian → Detailed Asian Alone → Japanese alone (430-439)



✍ Take-Home Exercise 4: Accessing Basic and Detailed Race Groups

- How many people of Hispanic or Latino origin live in Washington?
- What percentage of Mexicans are in the labor force in Washington?
- You try to access table S0201 for Mexicans in Spokane County, WA and get an error message. What are some possible reasons you may be getting this message?

✍ Take-Home Exercise 4: Accessing Basic and Detailed Race Groups

- How many people of Hispanic or Latino origin live in Washington?

  940,792

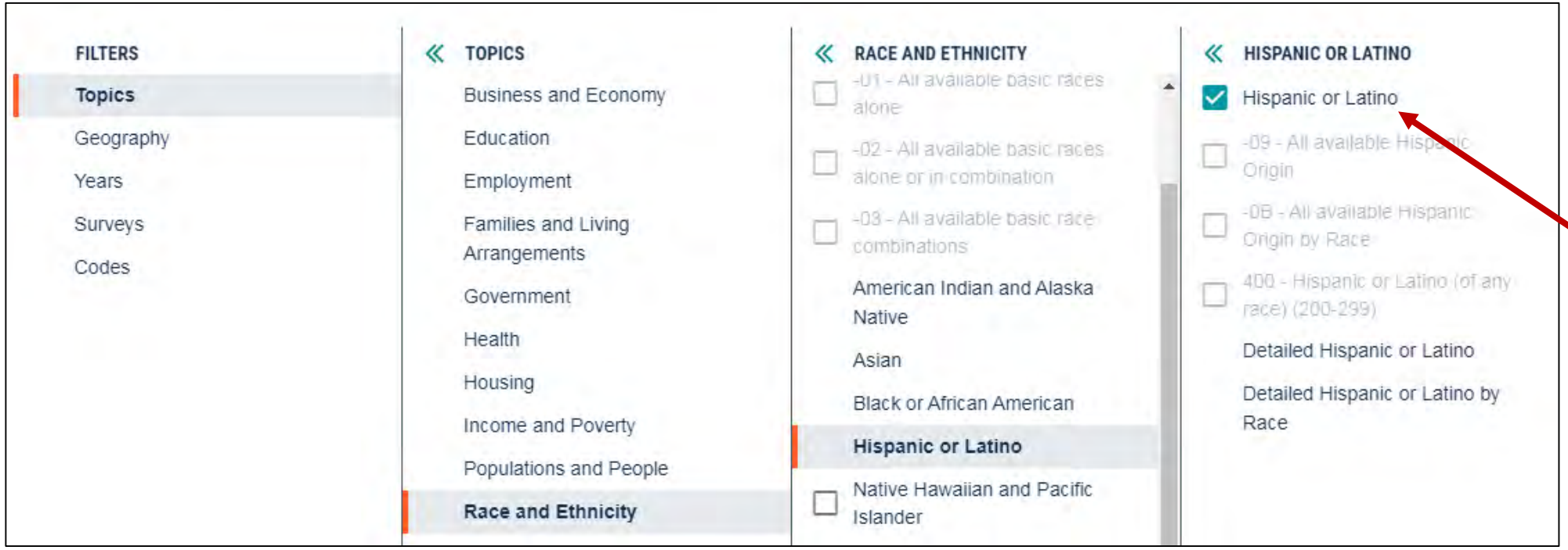
- What percentage of Mexicans are in the labor force in Washington?

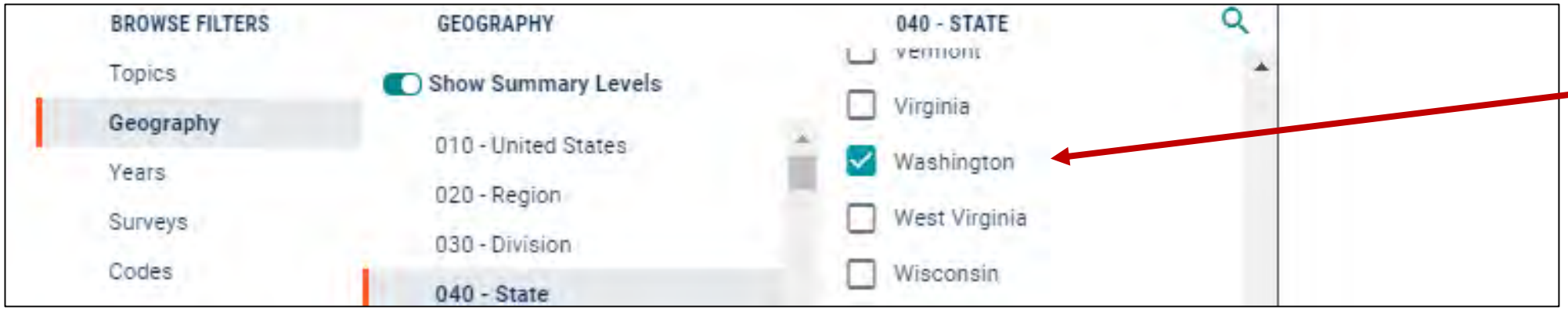
  71.6%

- You try to access table S0201 for Mexicans in Spokane County, WA and get an error message. What are some possible reasons you may be getting this message?

  Minimum population thresholds have not been met

✍ Take-Home Exercise 4a: How many people of Hispanic or Latino origin live in WA?





Use advanced search filters:

- Select Hispanic Origin:
  Topics → Race and Ethnicity → Hispanic or Latino → **Hispanic or Latino**

- Select Geography
  Geography → State → **Washington**

✍ Take-Home Exercise 4a: How many people of Hispanic or Latino origin live in WA?

Answer: 940,792 total Hispanic

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ACS DEMOGRAPHIC AND HOUSING ESTIMATES
Survey/Program: American Community Survey
Years: 2017,2016,2015,2014,2013,2012,2011,2010
Table: DP05

HISPANIC OR LATINO ORIGIN BY SPECIFIC ORIGIN
Survey/Program: American Community Survey
Years: 2017,2016,2015,2014,2013,2012,2011,2010
Table: B03001

HISPANIC OR LATINO ORIGIN BY RACE

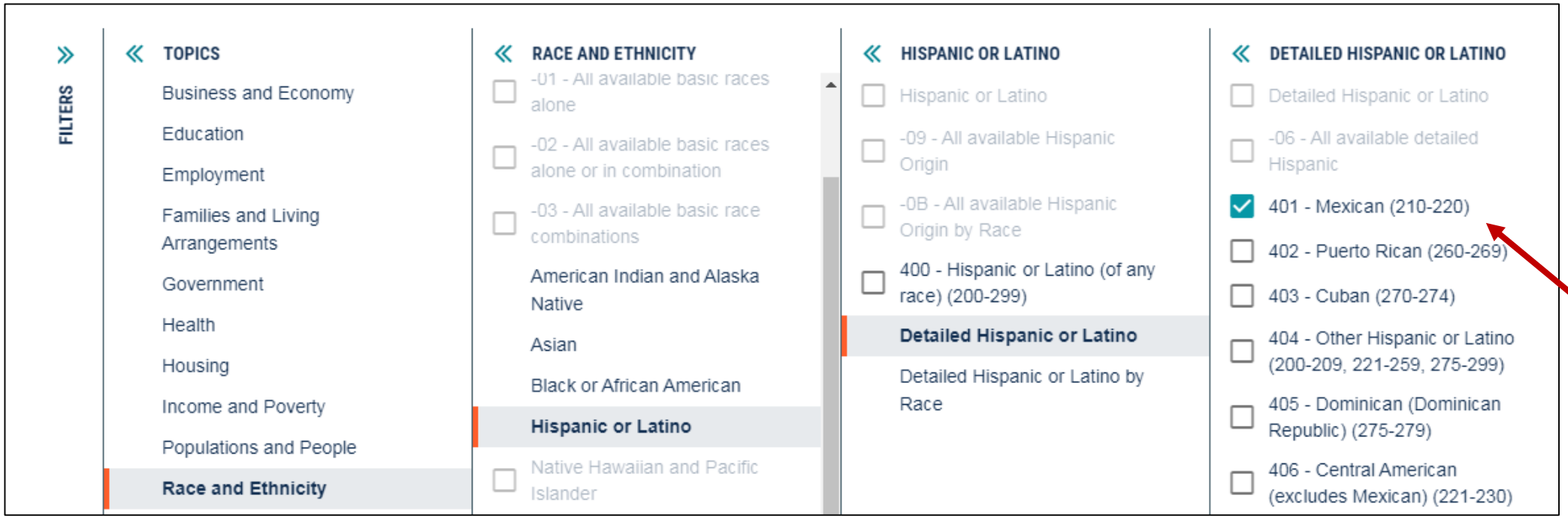
HISPANIC OR LATINO ORIGIN BY SPECIFIC ORIGIN

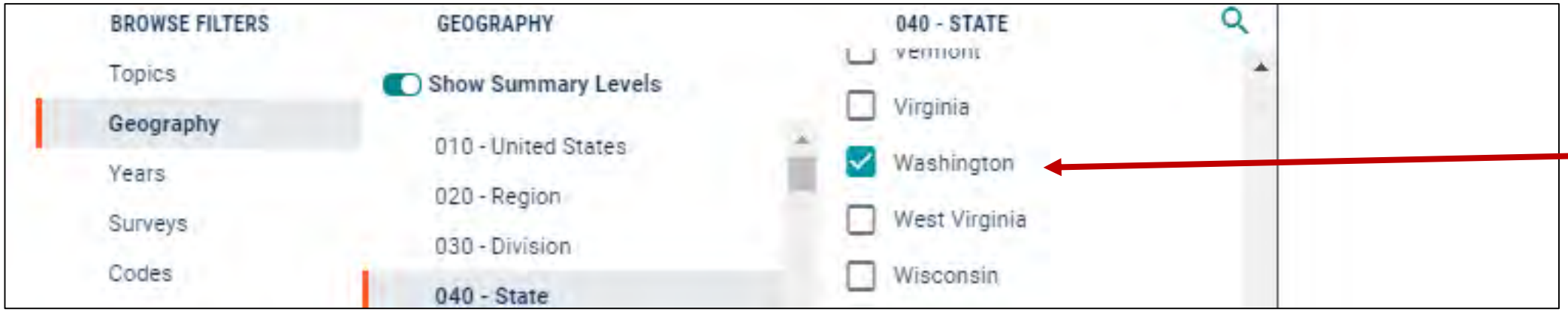
Survey/Program: American Community Survey
TableID: B03001
Product: 2017: ACS 1-Year Estimates Detailed Tables
Universe: Total population

CUSTOMIZE TABLE

	Washington	
	Estimate	Margin of Error
Total:	7,405,743	*****
Not Hispanic or Latino	6,464,951	*****
Hispanic or Latino:	940,792	*****
Mexican	747,028	+/-12,927
Puerto Rican	39,346	+/-4,923
Cuban	11,335	+/-2,600
Dominican (Dominican Republic)	5,544	

✍ Take-Home Exercise 4b: What percentage of Mexicans are in the labor force in WA?



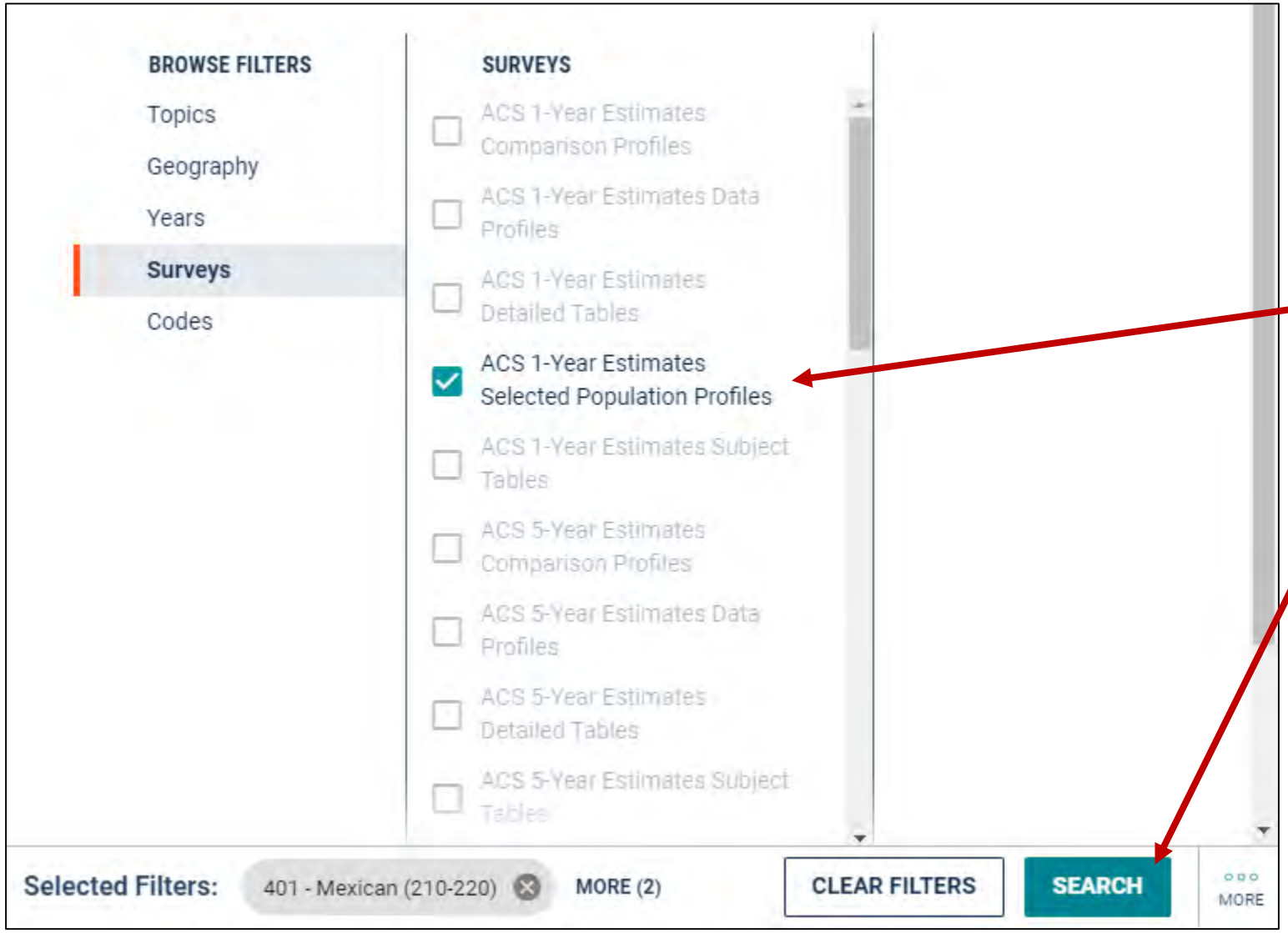


Use advanced search filters:

- Select Hispanic Origin:
  Topics → Race and Ethnicity → Hispanic or Latino → Detailed Hispanic or Latino → **401 – Mexican (210-220)**

- Select Geography
  Geography → State → **Washington**

✍ Take-Home Exercise 4b: What percentage of Mexicans are in the labor force in WA?

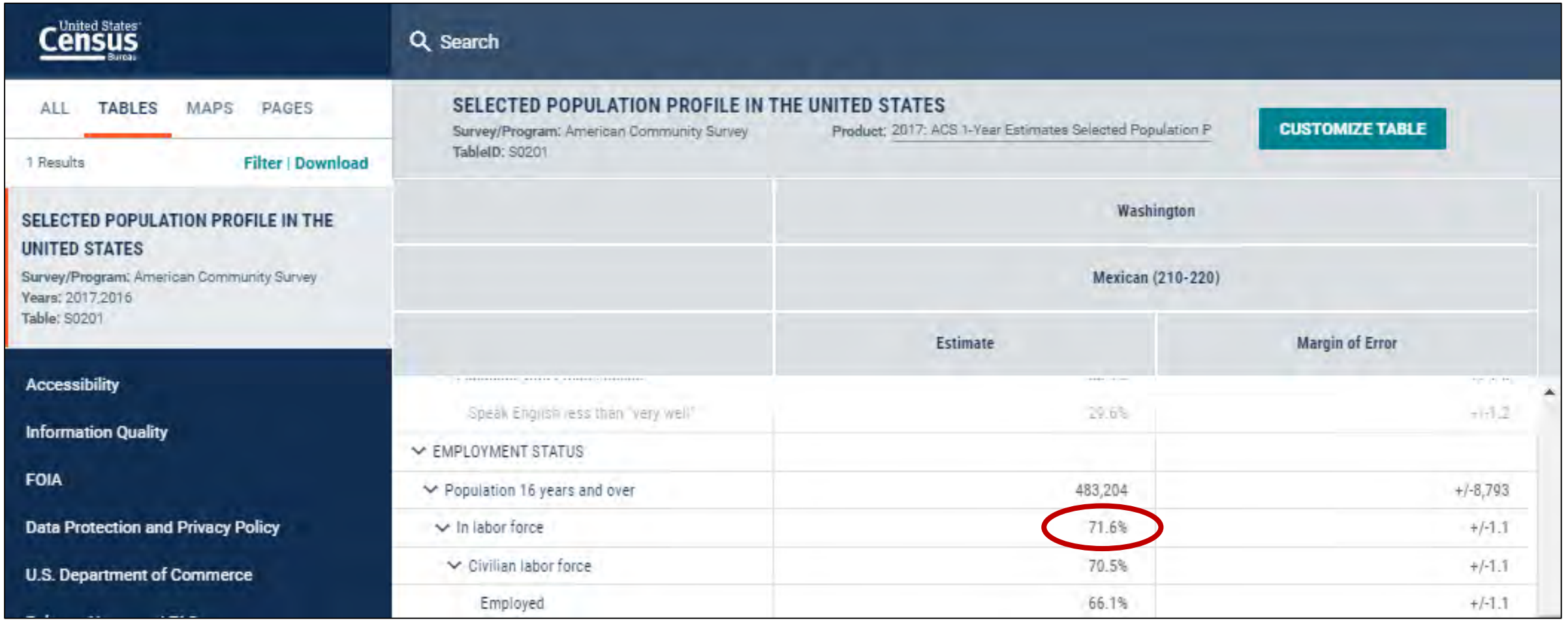


Using the advanced search

- **Select ACS 1-Year Estimates Selected Population Profiles**
  Surveys → **ACS 1-Year Estimates Selected Population Profiles**
- Click **SEARCH**

✍ Take-Home Exercise 7b: What percentage of Mexicans are in the labor force in WA?

Answer: 71.6%



United States Census Bureau

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SELECTED POPULATION PROFILE IN THE UNITED STATES

Survey/Program: American Community Survey
Years: 2017,2016
Table: S0201

Accessibility
Information Quality
FOIA
Data Protection and Privacy Policy
U.S. Department of Commerce

SELECTED POPULATION PROFILE IN THE UNITED STATES

Survey/Program: American Community Survey
Product: 2017: ACS 1-Year Estimates Selected Population P
TableID: S0201

CUSTOMIZE TABLE

	Washington	
	Mexican (210-220)	
	Estimate	Margin of Error
Speak English less than "very well"	29.6%	+/-1.2
EMPLOYMENT STATUS		
Population 16 years and over	483,204	+/-8,793
In labor force	71.6%	+/-1.1
Civilian labor force	70.5%	+/-1.1
Employed	66.1%	+/-1.1

✍ Take-Home Exercise 4c: You try to access table S0201 for Mexicans in Spokane County, WA and get an error message. What are some possible reasons you may be getting this message?

Answer: Minimum Population Thresholds have not been met

Table B03001 tells us there were only 19,102 Mexicans living in Spokane County in 2017

S0201 requires 500,000+ total population for your geography and 65,000+ people in the population subgroup (i.e. Mexicans) per data suppression document

FAQ: Why am I getting the message "Data for This Table is Unavailable?"

ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5507