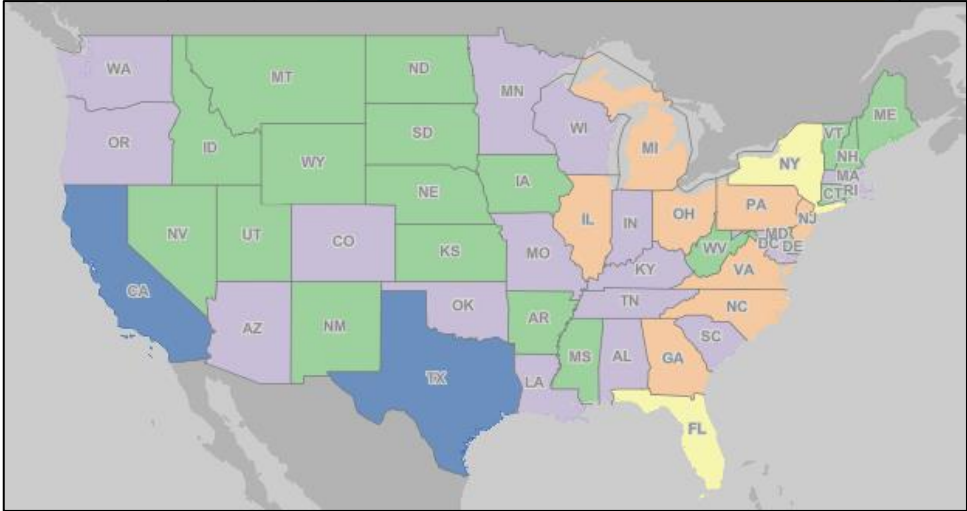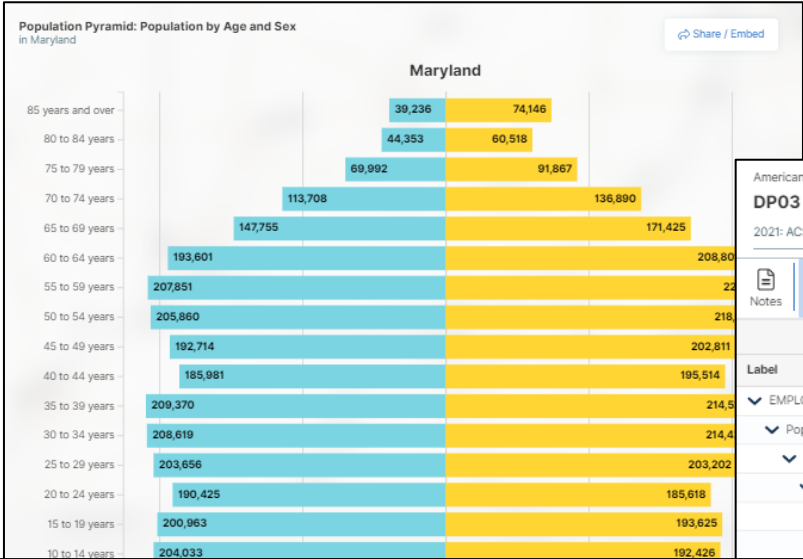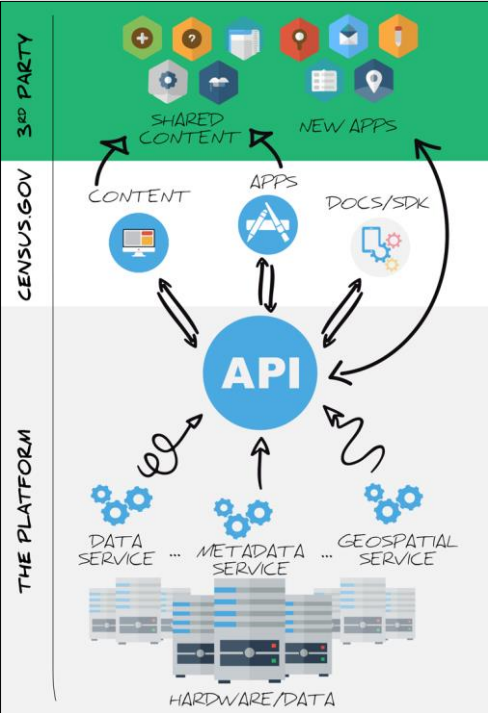# Visualizing Data Through the Mapping Features in data.census.gov

FedCASIC Workshops

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U.S. Census Bureau

data.census.gov: Changing the Way You Get Data

data.census.gov

Demo

Mapping in data.census.gov

- Example: DP02 from the 2021 5-year American Community Survey (ACS) for King George, Virginia

data.census.gov
Start with single search

- Type **DP02** into single search bar and click on Search button or hit Enter
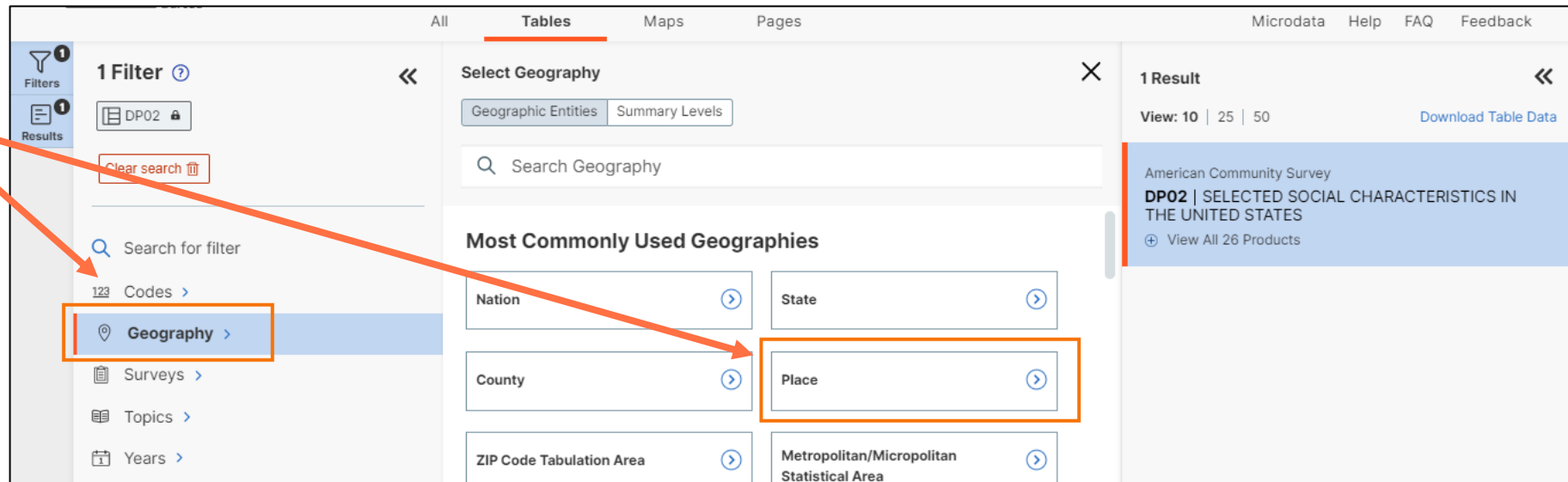
data.census.gov

Open Table and Add King George, VA Using Filters in Advanced Search

- Click on table **DP02** to open it
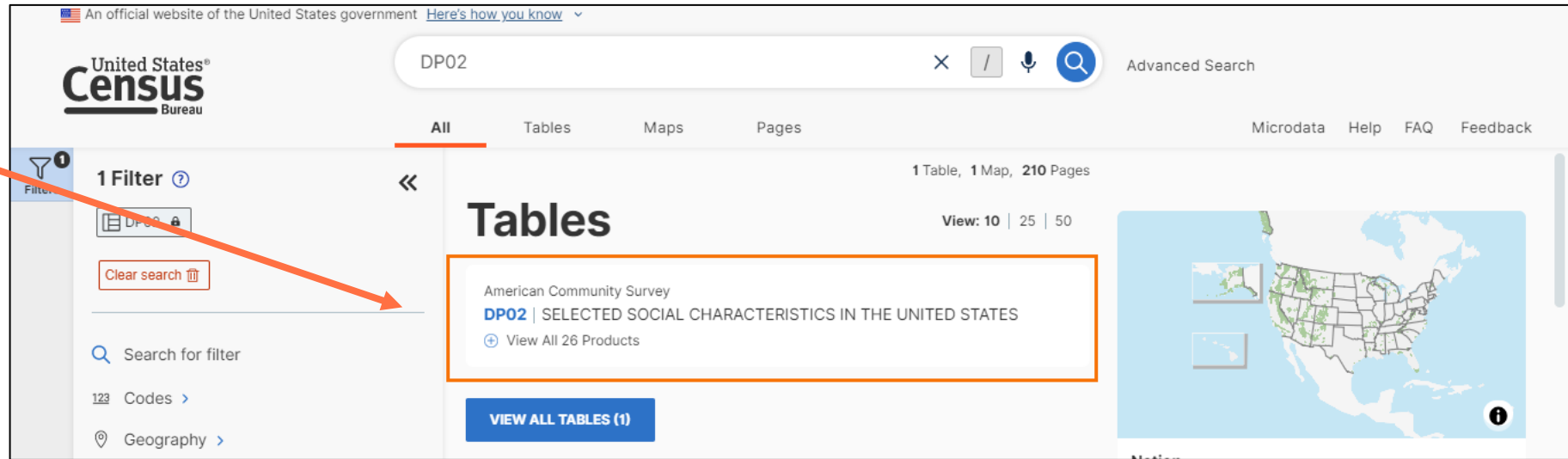
- Click on **Geography** > **Place**

data.census.gov
Add King George, VA Using Filters in Advanced Search

- Click on **Virginia**

- Click into search bar at the top of the list and type in **King George**

- Check the box for **King George CDP, Virginia**

- Click on the X in the corner of the panel to update the table

data.census.gov
Find Desired Estimate and View Table Layout

- Find the estimate you would like to map for King George: **Total households with a broadband internet subscription**
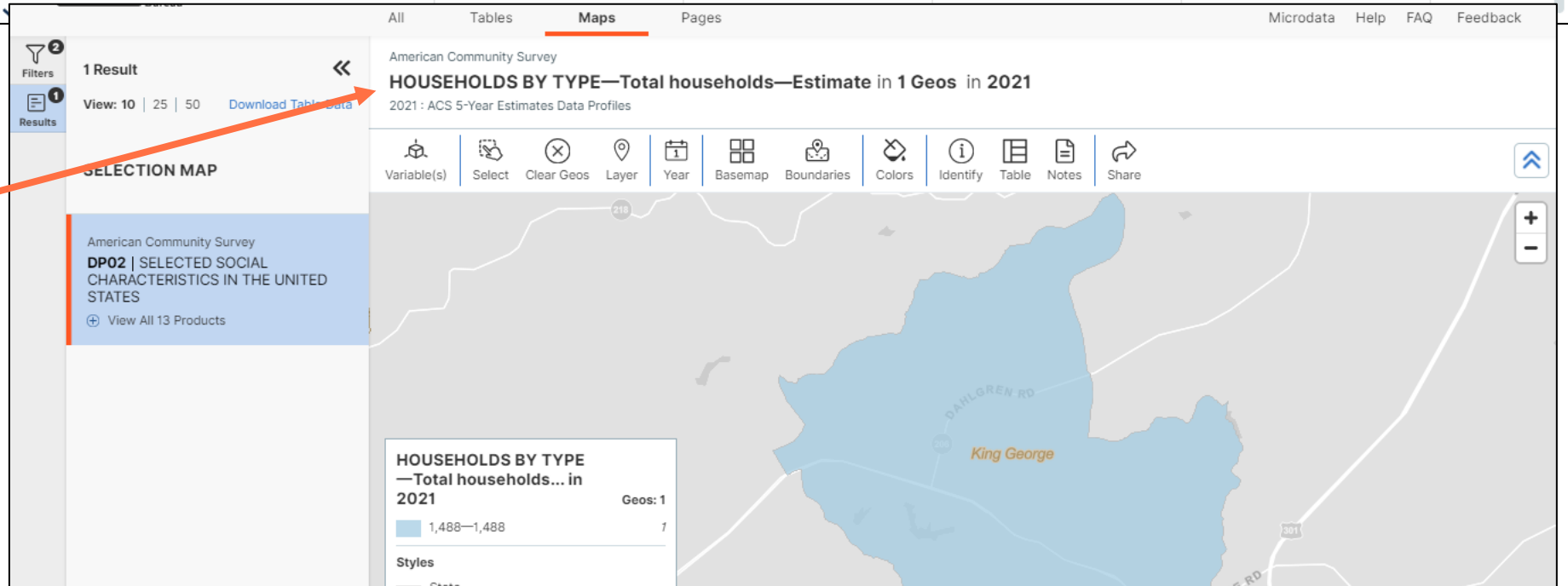
data.census.gov
Navigate to Map of DP02 for King George, VA

- To get to map:

  - Click on **Maps** tab

    or
  - Click on **Map** button
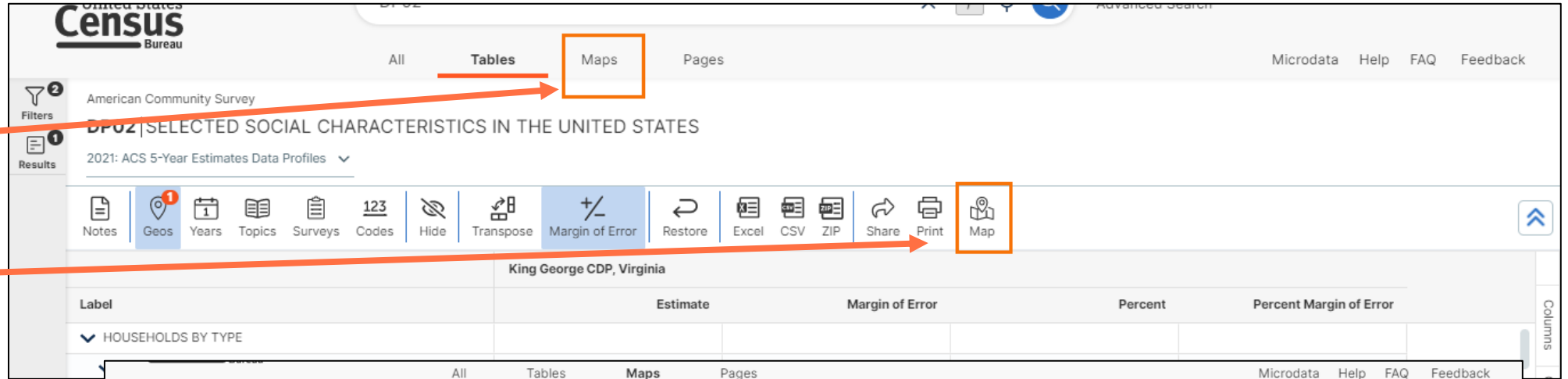
- Map displays data for first estimate in table DP02 – Total number of households

data.census.gov
Change Data Variable Shown in Map

- Click on **Variable(s)** button

- Click on chevron found next to current variable shown in map

- Either scroll down the list to select new variable or use search bar

- Select **Computers and Internet Use--Total households--With a broadband internet subscription—Percent**

- View updated map

data.census.gov
Show Geographic Boundaries in Map

- To view census tract overlay, click on **Boundaries** button

- Scroll down list and check both boxes next to **Census Tract** – one provides boundary lines (which are red for census tracts) and the other provides geography labels (also in red for tracts)

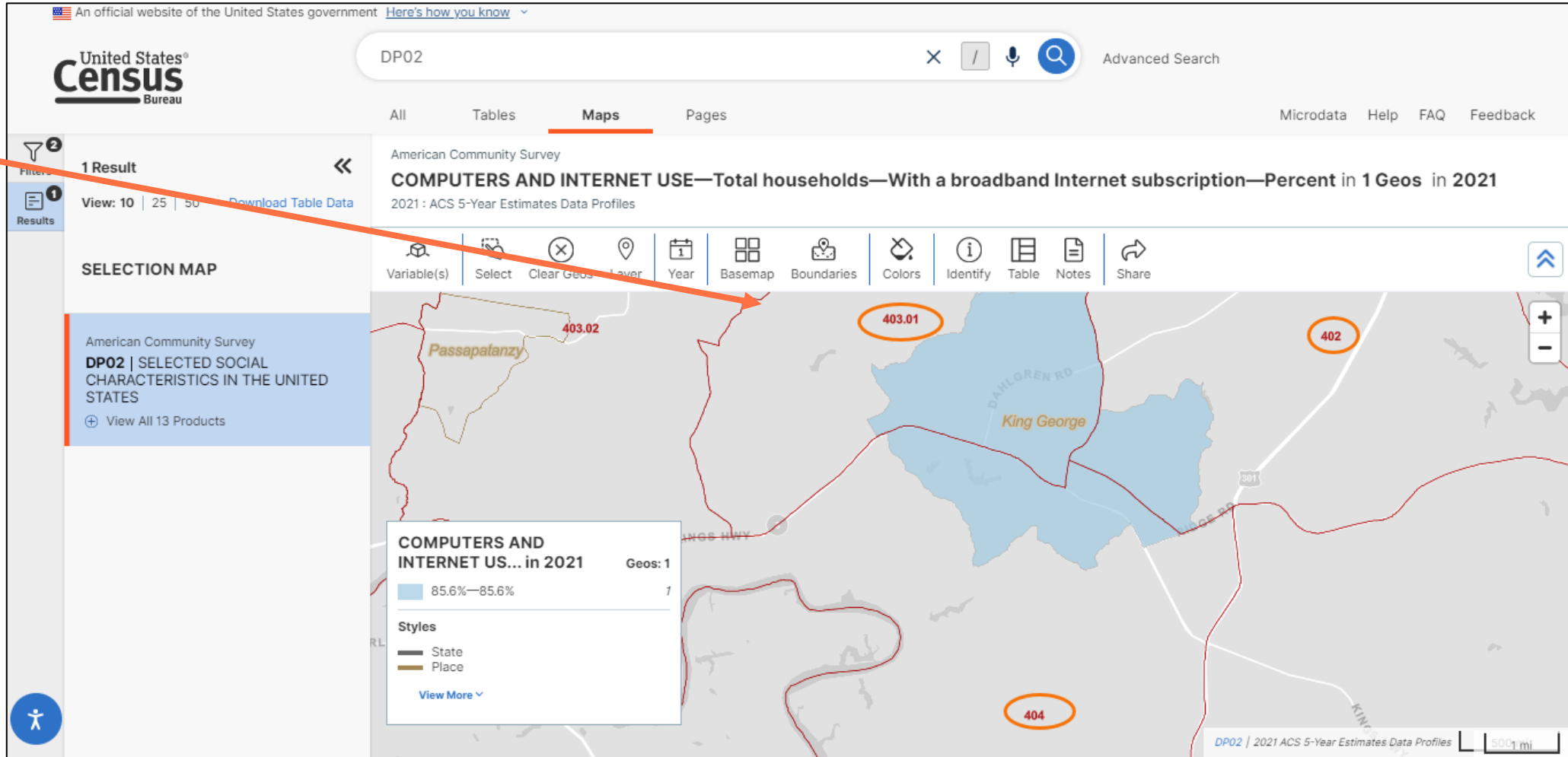- Click on **X** in corner of panel to close it

data.census.gov
Show Geographic Boundaries in Map

- King George covers parts of tracts 402, 404 and 403.01

data.census.gov

Adding Geographies to Search and Map Using Layers

- If you want to add the tracts to your search, you won't be able to do so with the overlay from the Boundaries button

- Instead, click on the Layer button, enter tract in the search bar, and click on Census Tract

- Now the map is only showing the Census Tracts

data.census.gov
Selecting Geographies in the Map

- To add the three census tracts—402, 404, and 403.01—to the search and the map, click on the **Select** button

- Click on tract 403.01 with the mouse, hold the click, and drag the mouse to create the rectangle

- When you release the click, any geography that touched the rectangle is added to the search and the map

- When done making selections, click on **Exit Select Tool** button

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Change Year to Compare Geographies

- To see if the census tracts changed since 2019, us the **Year** button to select 2019

- Use the Variable(s) button to switch the variable mapped to **Computers and Internet Use--Total households--With a broadband internet subscription—Percent**
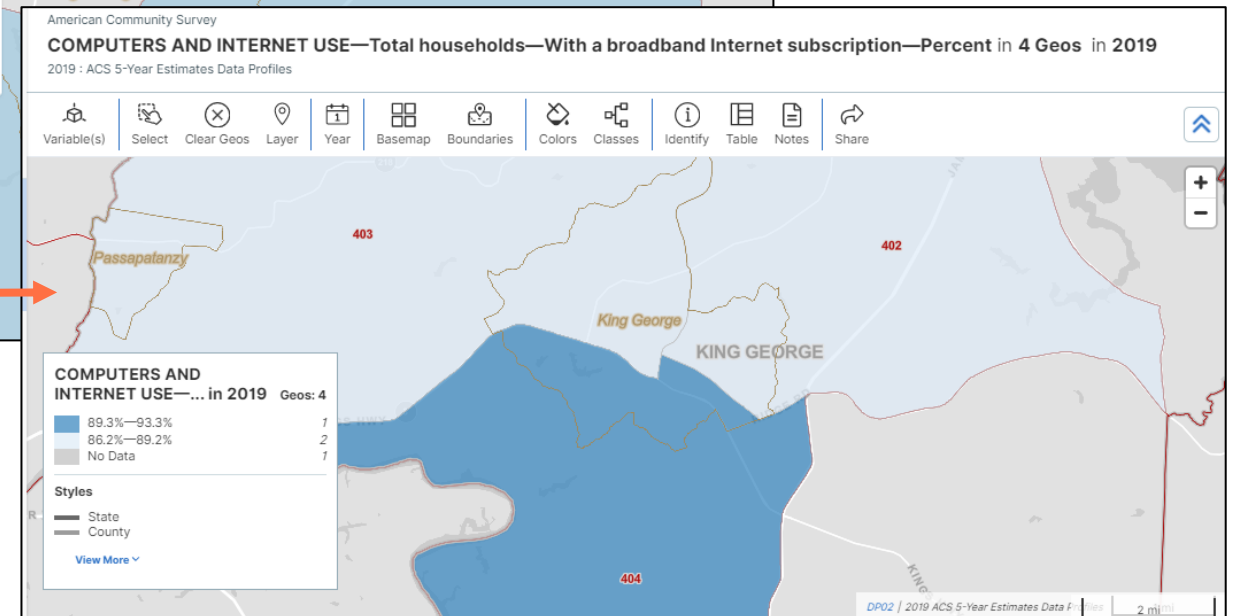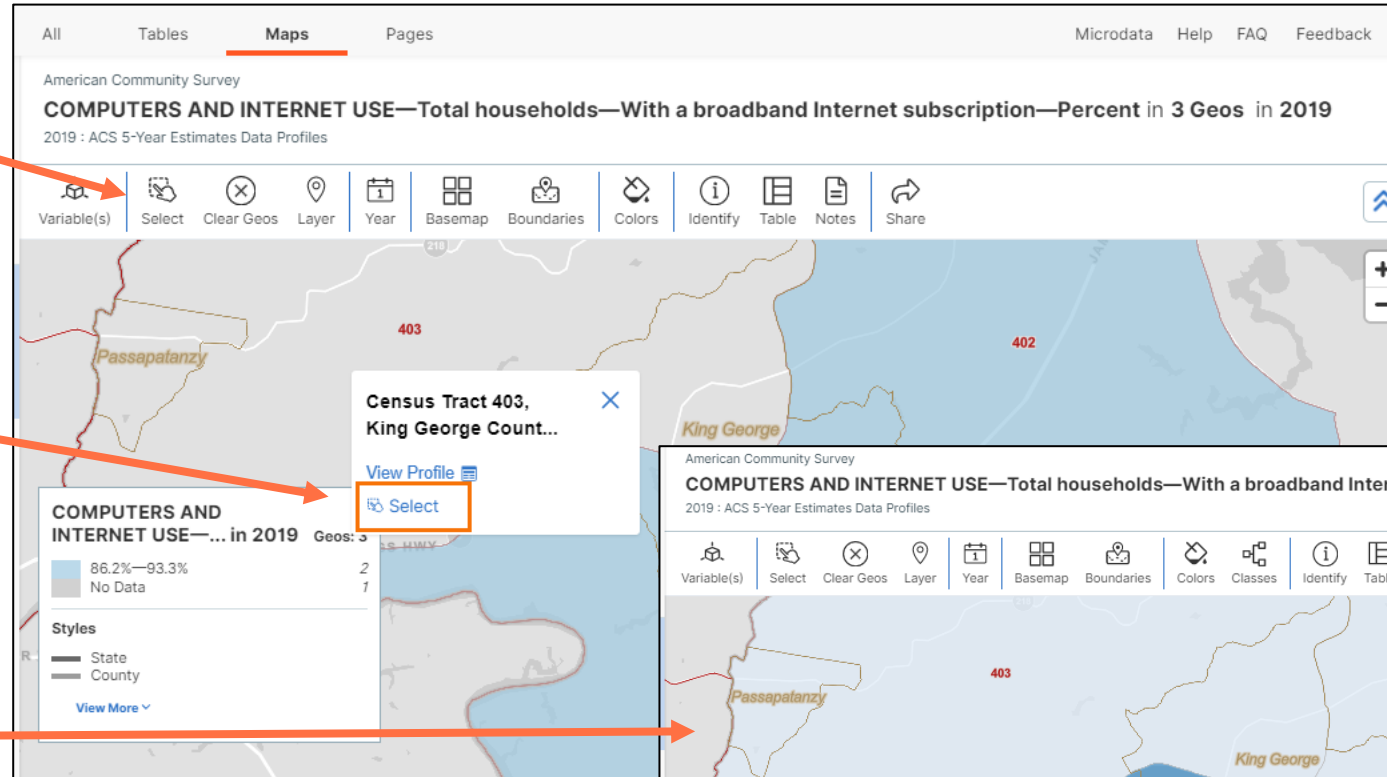
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Change Year to Compare Geographies

- Tracts 402 and 404 did not change, but 403.01 was named 403 in 2019

- To add the boundary for King George CDP to the map, click on the **Boundaries** button and check both boxes next to Place. Then click on the **X** to close the panel

- The boundary for King George displays in the map in a gold color
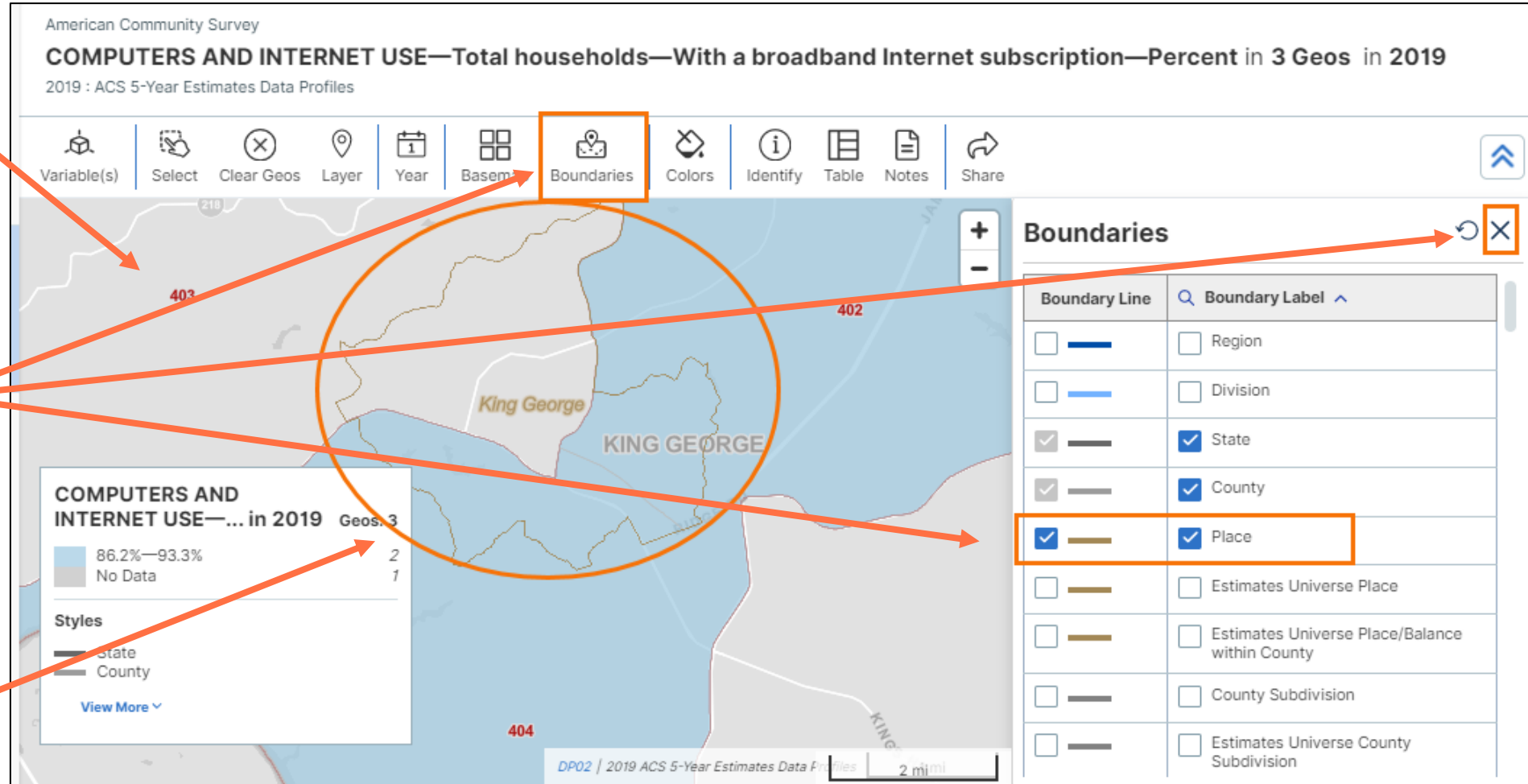
data.census.gov
Selecting Geographies in the Map

- To add tract 403 to the search and the map, you can use the Select button again

- The other option is to left-click on the tract and click on **Select**

- The tract is added to the search and the map

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Use Identify Button to Access Additional Geographic Information

- Click on the **Identify** button to find out additional geographic information about the geography of interest

- Left-click on census tract 402. A panel appears that shows the tract number, as well as the state and county the tract is in

data.census.gov
Use Identify Button to Access Additional Geographic Information

- Click on the chevron for the tract to find out additional information, including the GEOID

- Click on the Exit Identify Tool button when done

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Change Color Palette and Classes

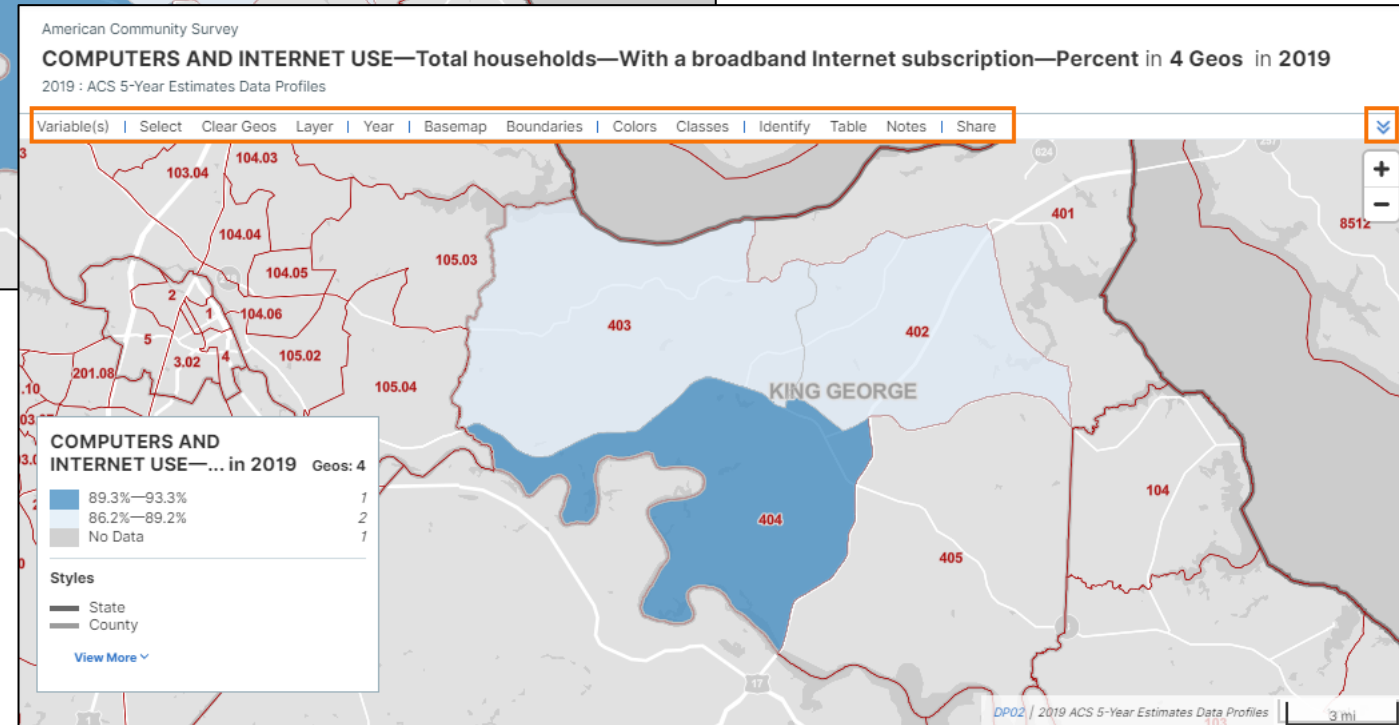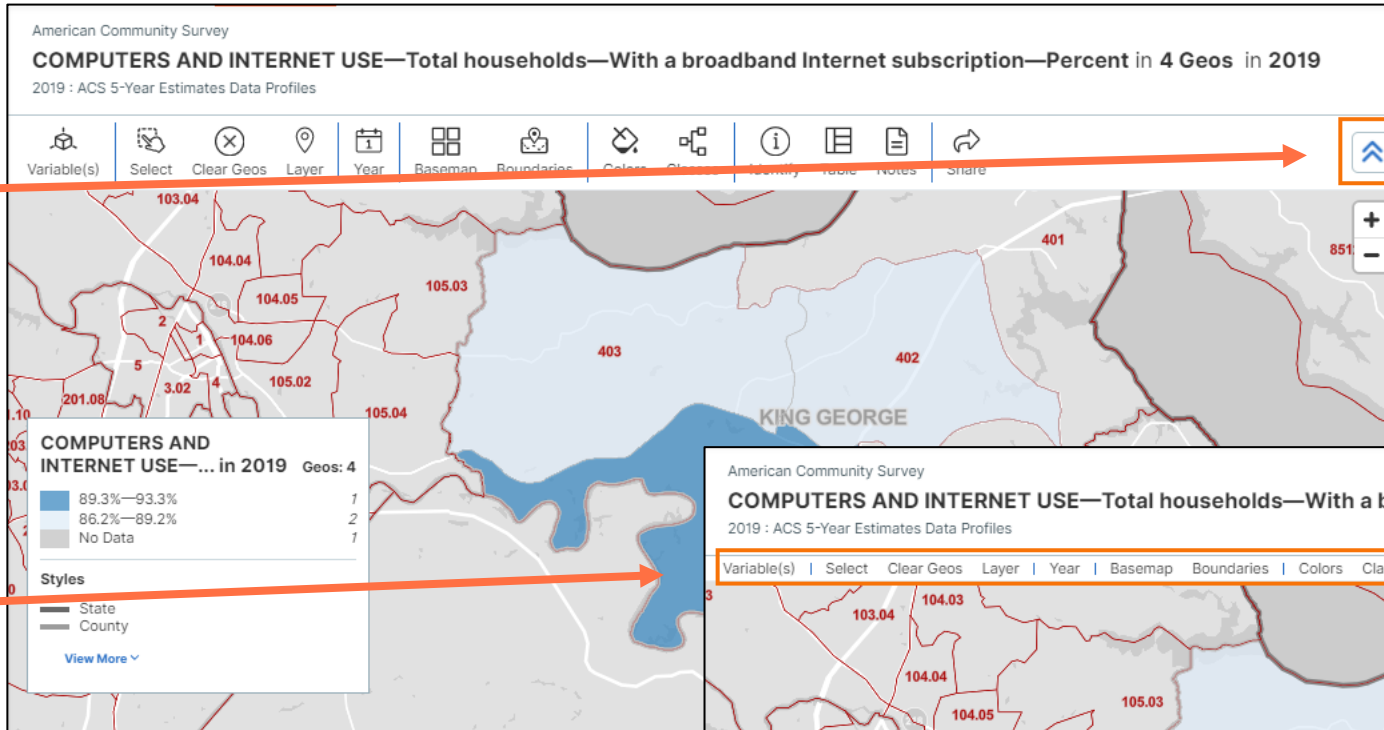- Click on **Colors** button to change the color palette

- Click on the **Classes** button to change the type or number of classes
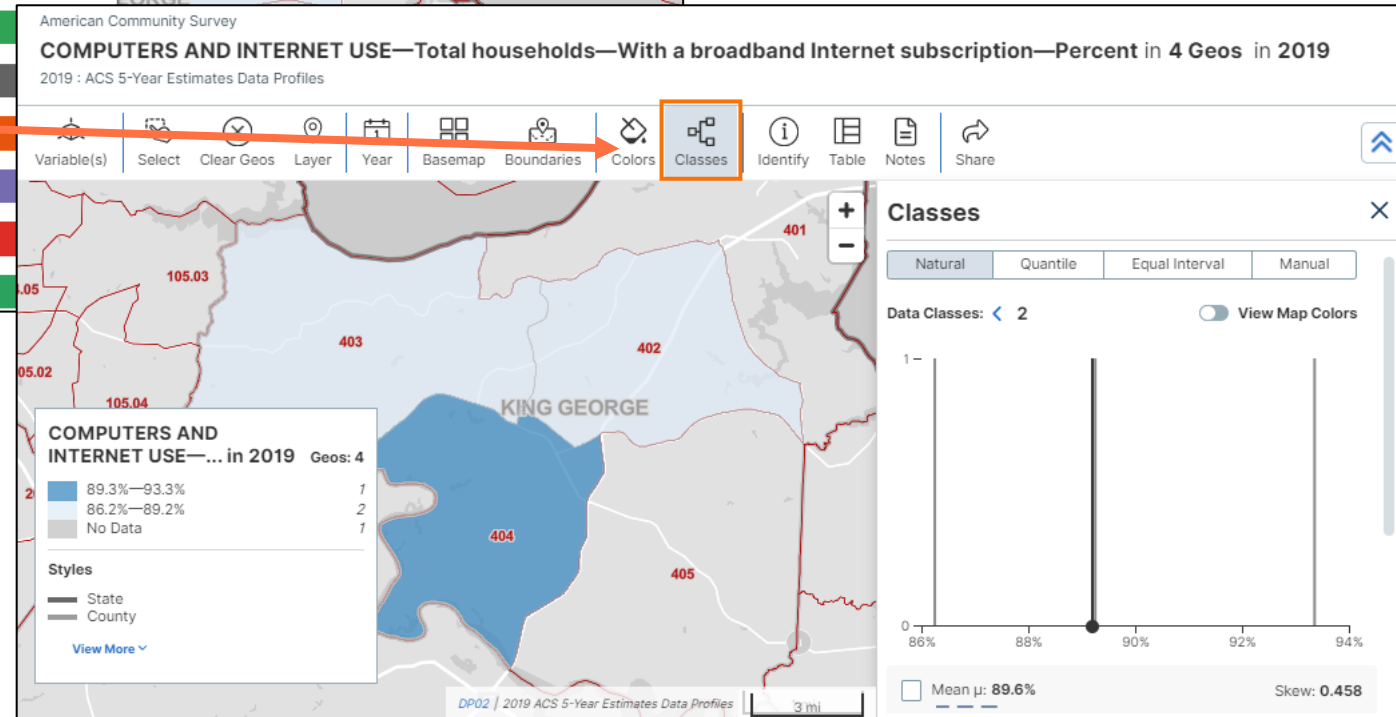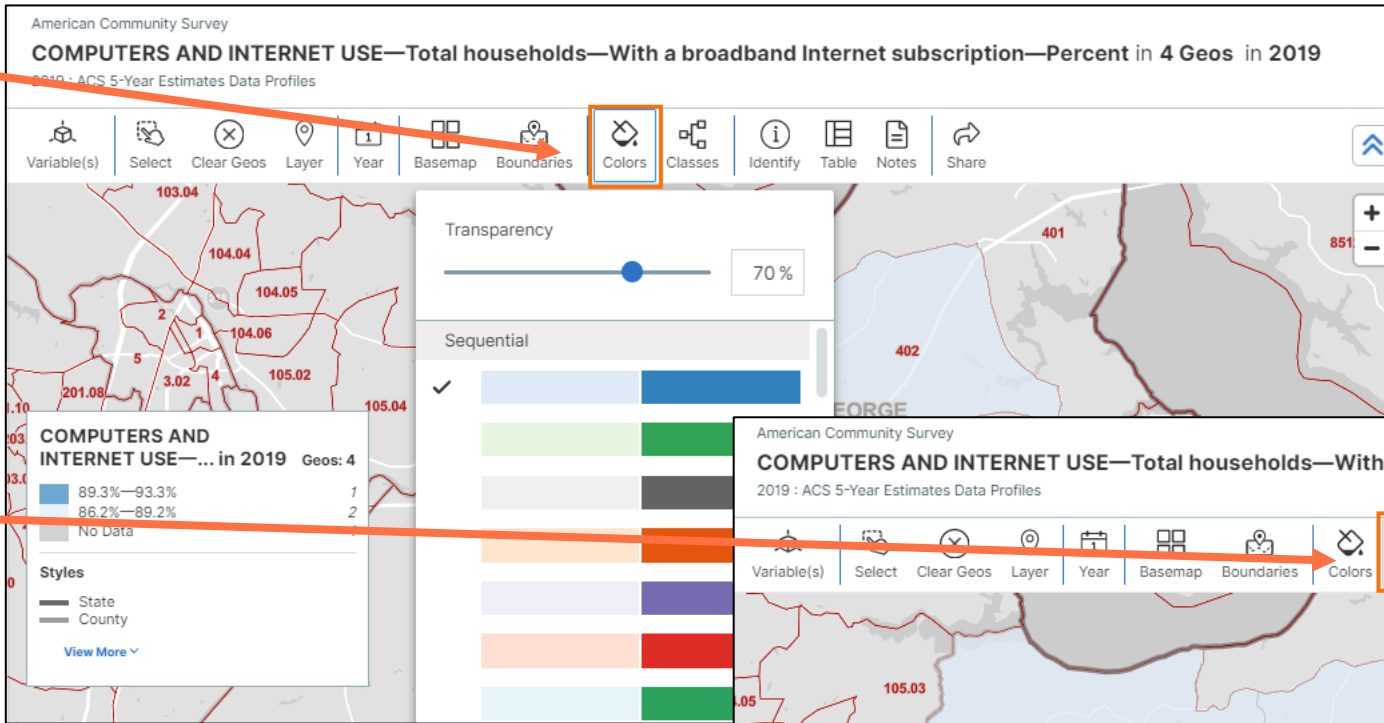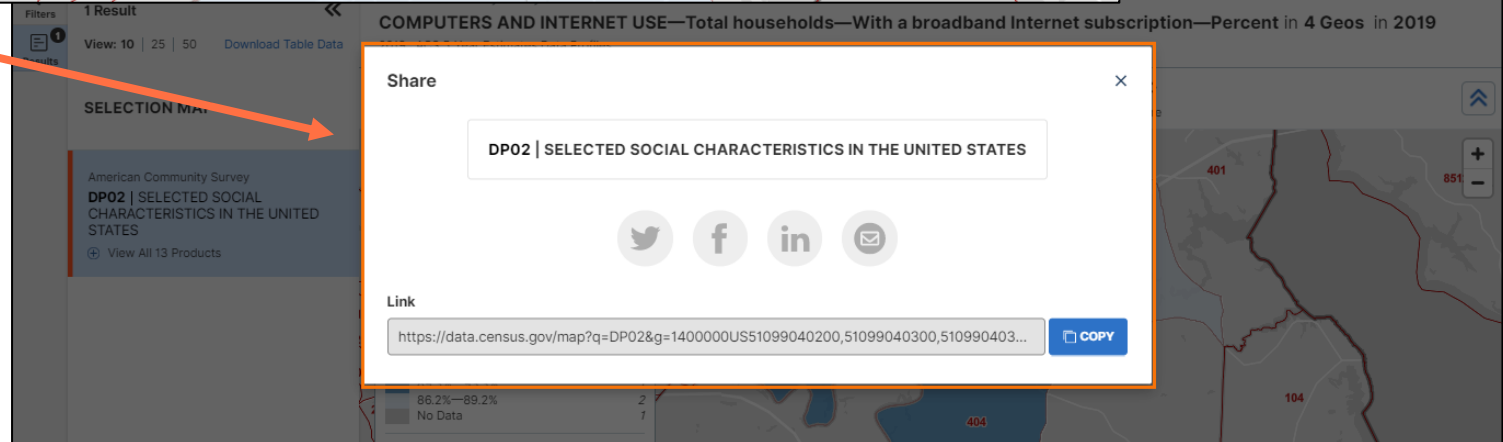
data.census.gov
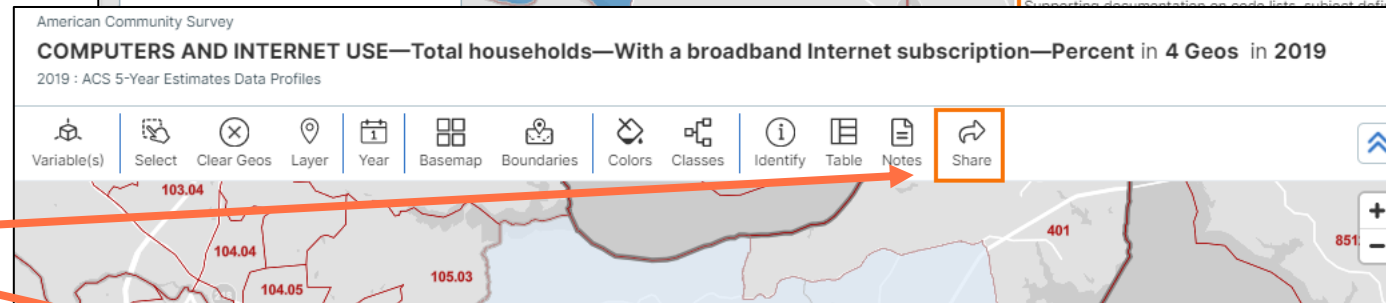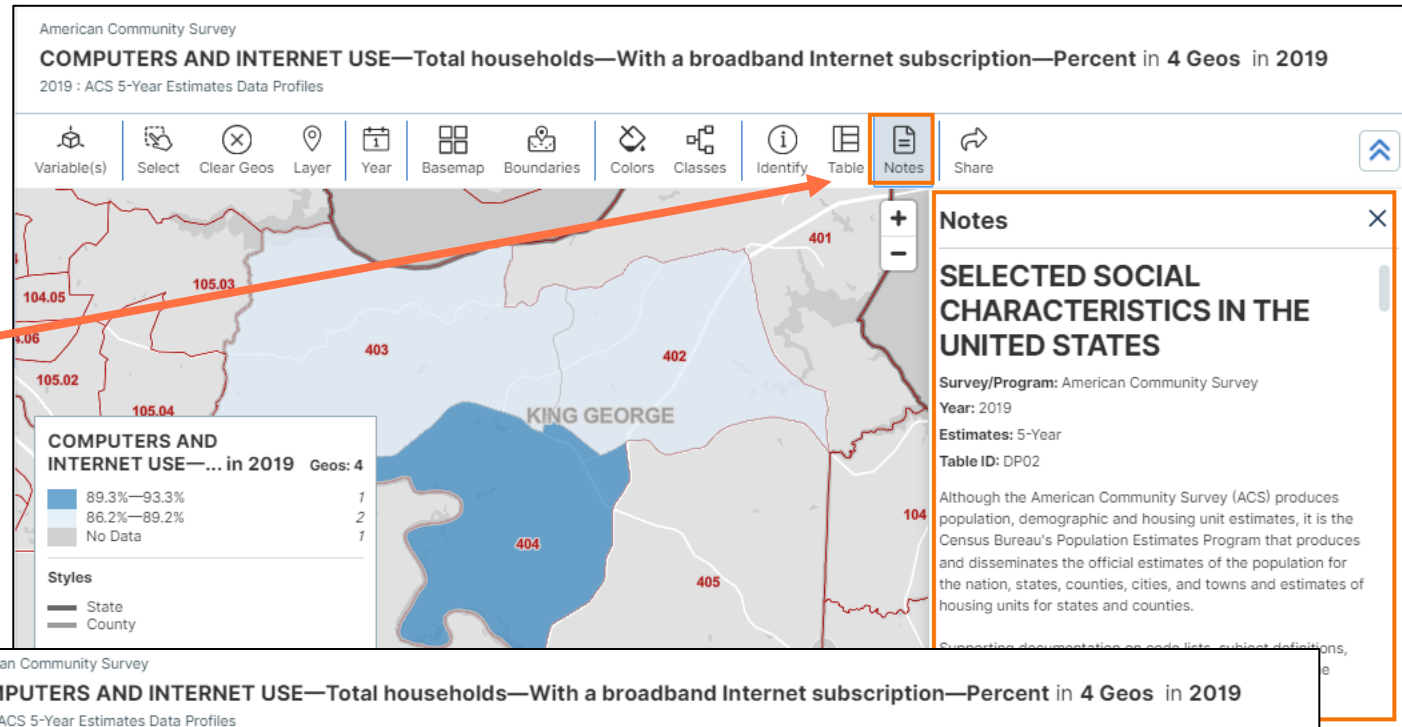## Collapse Button Ribbon to View More of Map

- Click on double chevrons to collapse the button ribbon

- Click on the chevrons again to restore it
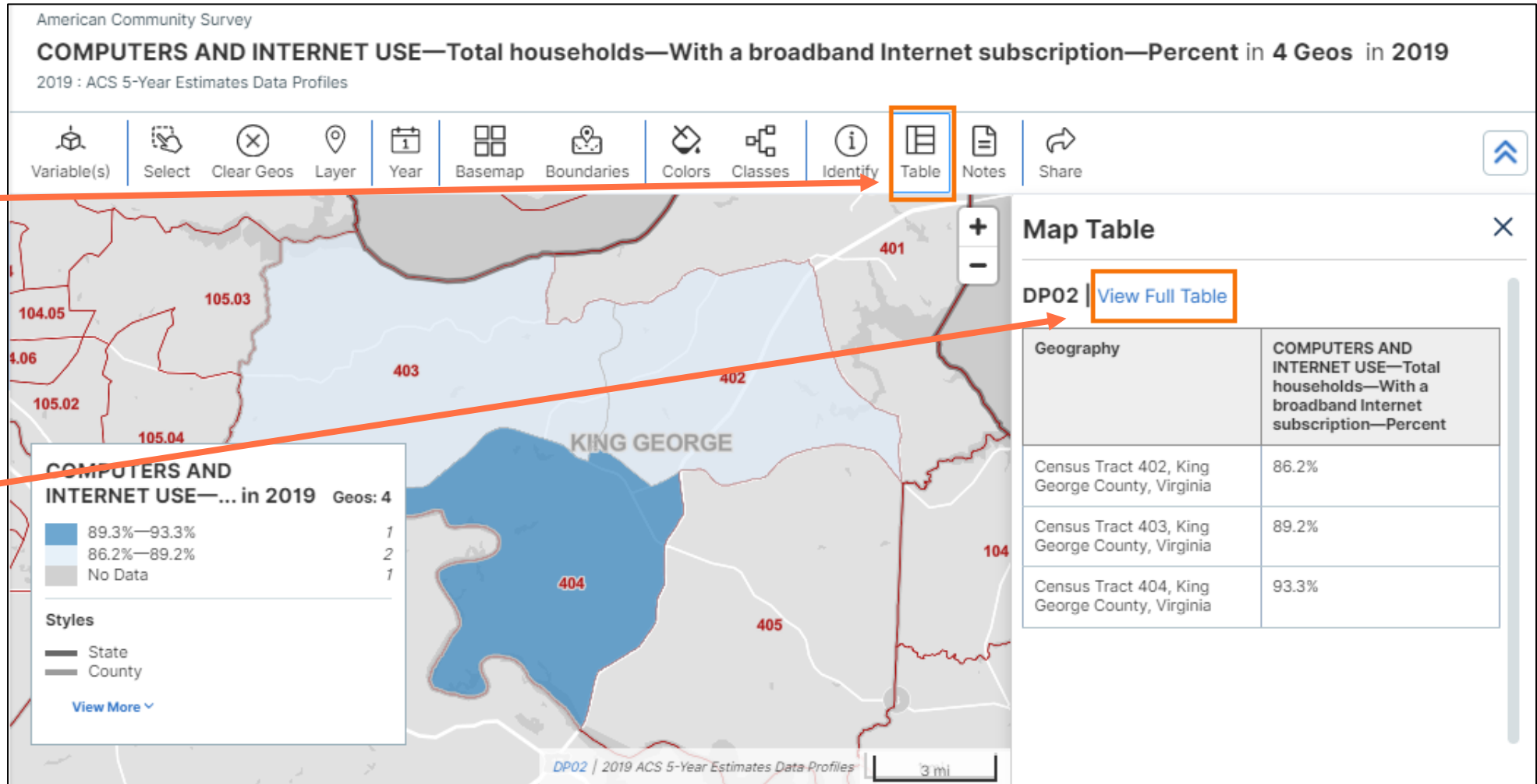
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Notes and Share Buttons

- Click on **Notes** button to view information about the data source of the map

- Click on the **Share** button to share the map to social media or send to someone else

data.census.gov
Table Button

- Click on the **Table** button to view a table of the data shown on the map

- If you want to view the entire source table, click on the **View Full Table** button

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Viewing Table With All Selected Geographies

- Now you can view the table with all the geographies that were selected for both 2019 and 2021

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