

United States Ethnicity – Choropleth

Choropleth Maps

United States Ethnicity is equipped with a feature that allows you to color boundaries by the average of the attributes within a chosen Data Field.

1. Click on a double layer icon to the left of a desired Data Field.

The screenshot shows a GIS interface with a map of the United States. A side window titled "Broad Ethnic Groupings" is open, showing settings for "Dots" and "Choropleth". The "Dots" section has "Turn on" checked, "Show density" set to "Yes", "Map dot size" set to "1", and "Transparency" at "0%". The "Choropleth" section has "Turn on" checked, "Boundary" set to "US Boundaries", "Line size" set to "1", "Region names" set to "Show", "Fill Transparency" at "20%", and "Line Transparency" at "0%".

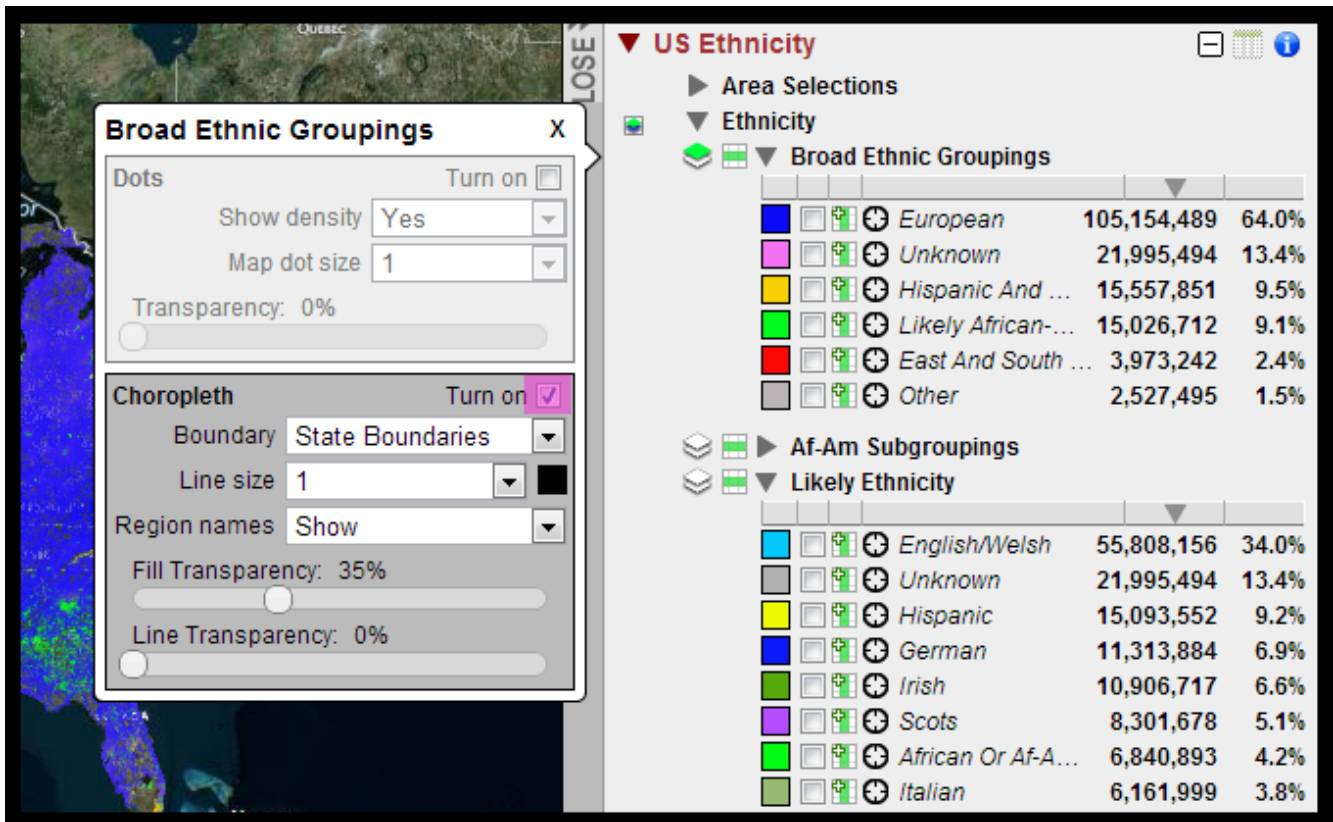
The legend on the right is titled "US Ethnicity" and contains two sections: "Broad Ethnic Groupings" and "Af-Am Subgroupings".

Color	Group	Count	Percentage
Blue	European	105,154,489	64.0%
Pink	Unknown	21,995,494	13.4%
Yellow	Hispanic And ...	15,557,851	9.5%
Green	Likely African-...	15,026,712	9.1%
Red	East And South ...	3,973,242	2.4%
Grey	Other	2,527,495	1.5%

Color	Group	Count	Percentage
Blue	English/Welsh	55,808,156	34.0%
Grey	Unknown	21,995,494	13.4%
Yellow	Hispanic	15,093,552	9.2%
Blue	German	11,313,884	6.9%
Green	Irish	10,906,717	6.6%
Purple	Scots	8,301,678	5.1%
Light Green	African Or Af-A...	6,840,893	4.2%
Light Green	Italian	6,161,999	3.8%

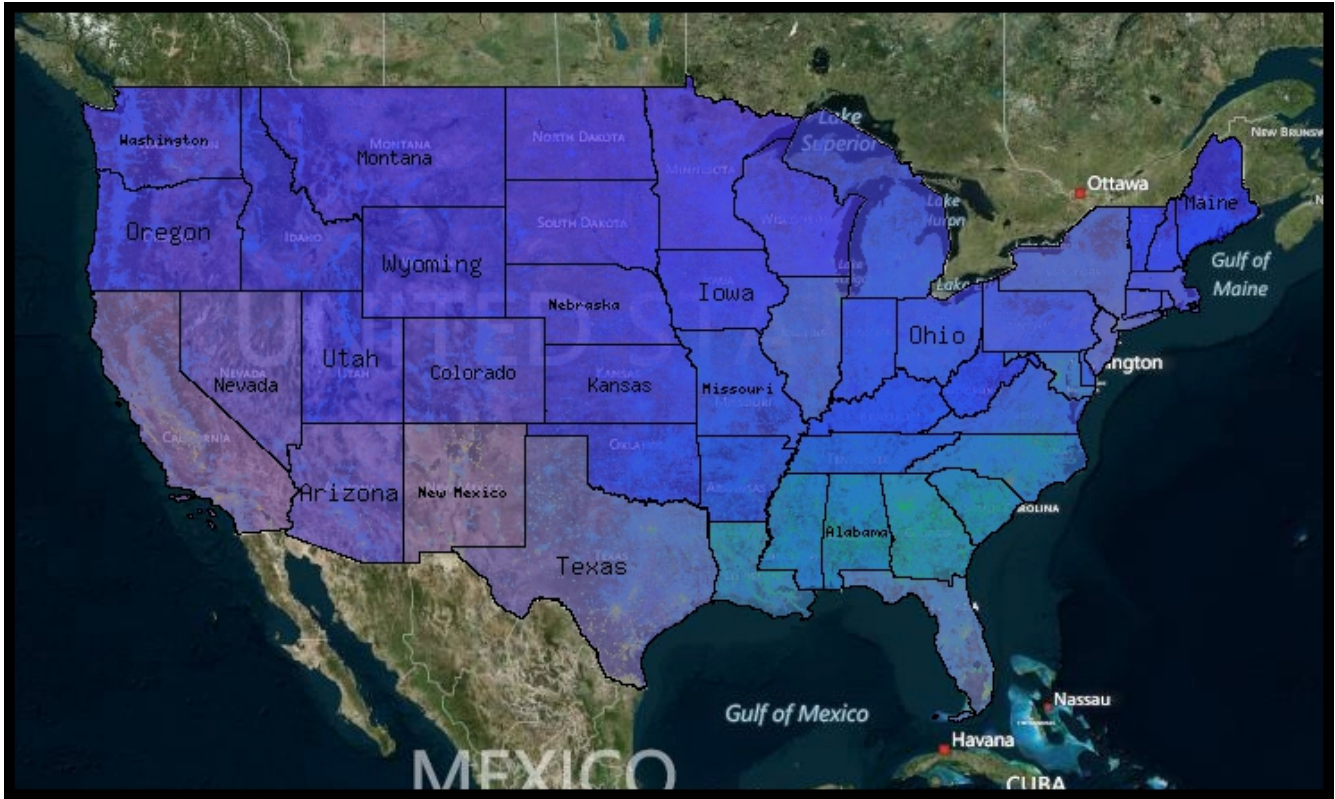
2. A side window will appear containing the Data Field Name, a Dots section, and a Choropleth section.

3. Click the Turn on check box within the Choropleth section to activate the display.



4. There are 5 Choropleth settings to choose from:

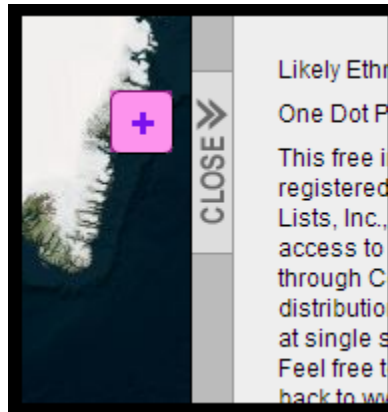
- **Boundary** – Boundaries change what kind of area is used to Choropleth the map .
- **Line size** – Changes the line size of the lines between the different boundary areas.
- **Line Color** - changes the color of the lines between the boundaries.
- **Fill Transparency** – changes the fill transparency of the Choropleth color.
- **Line Transparency** – Changes of transparency of the boundary lines.
- **Region names** – Toggles the titles of the boundaries currently displayed



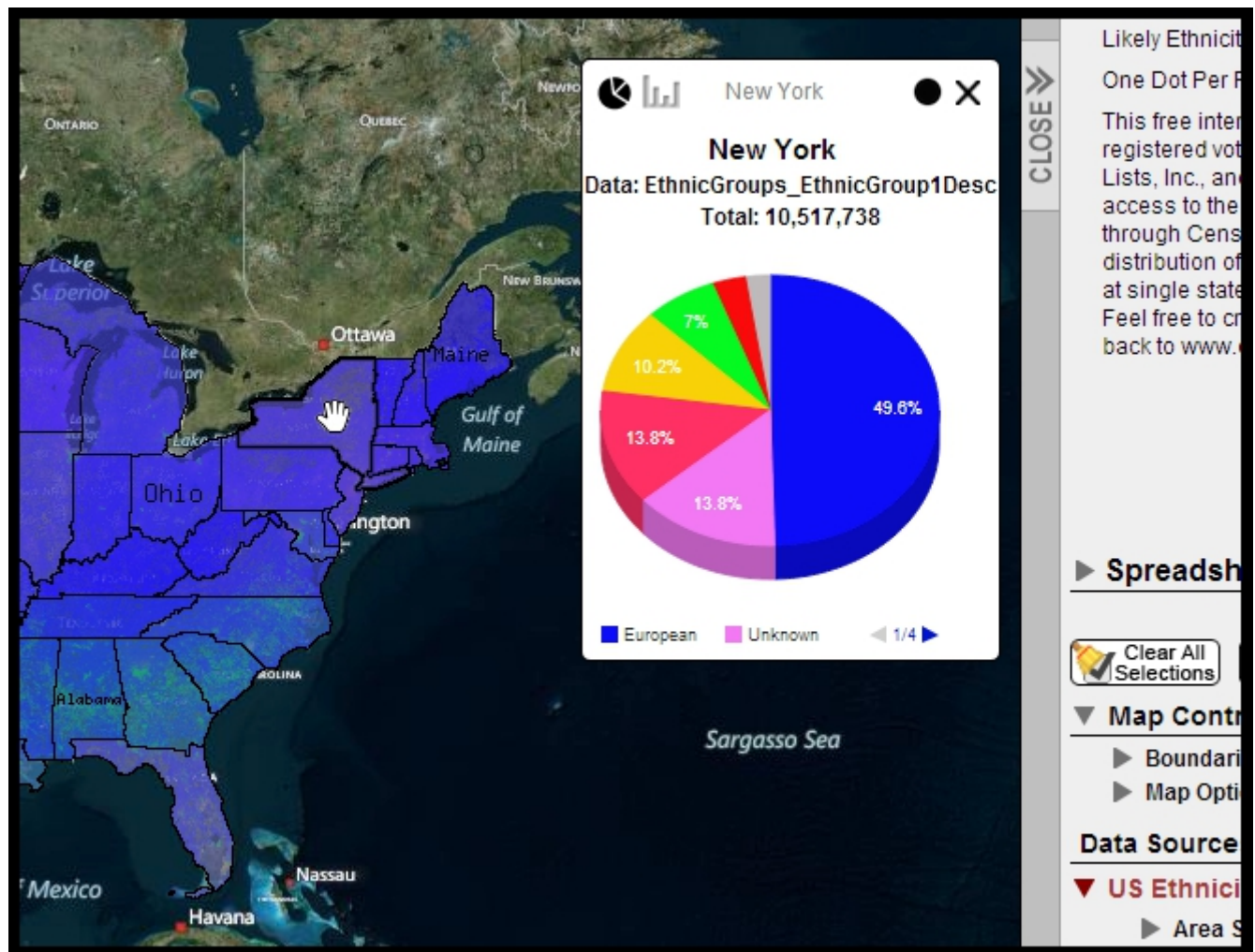
Graph Cards

While the Choropleth layer is turned on, you can create graphs showing the Data Attribute values for voters in each boundary area.

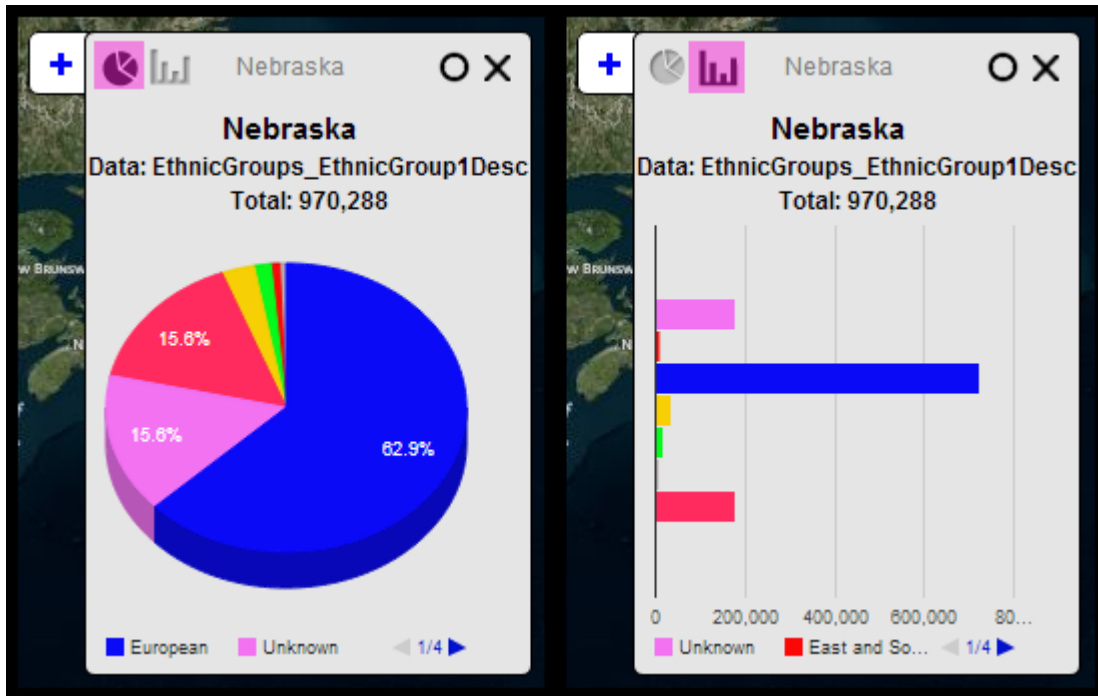
1. With the Choropleth layer applied, click on the blue plus icon located at the top right portion of the map.



2. As you move your cursor over different Choropleth Boundaries the graph will change to display the information for the corresponding area.



3. You can change the type of graph by clicking either the pie or bar chart icons on the upper left corner of the card.



4. You can open up more cards by clicking on the choropleth boundary to lock the current graph card. Once a graph card is locked another blue plus icon will appear. Click on the plus icon to open a new graph card.
5. The most recent card will become the active card. The active card will contain a solid black circle icon in its upper right corner and be white, while the inactive card(s) will have hollow black circles and be dark gray. To change which card is active, click on the hollow circle on an inactive card.
6. Notice the legend at the bottom of the card. It tells you what the different colors mean. You can cycle through this legend by clicking on the small blue arrow at the bottom of a graph card.
7. Click the X at the upper right corner of a card to close it.