SOC 4650/5650: Lecture Prep 06 - Qualitative Mapping

Christopher Prener, Ph.D.

Feburary 26ᵗʰ, 2018

Directions

Complete all of the steps below. Your map file (`.mxd`) and exported image should be uploaded to your GitHub assignment repository in the `LecturePreps/LP-06` directory by 4:15pm on Monday, Feburary 26ᵗʰ, 2017.

Changing Classifications

1. Add the `MO_BOUNDARY_Counties.shp` shapefile to your map document.

2. Create a choropleth map using the `POP10_SQMI` variable, which is the 2010 population already normalized by square miles. Make sure you are using a Color Brewer color ramp with five categories or "breaks".

3. Click Apply and move your Layer Properties window to preview your changes.

4. Next, we'll change our classification scheme. In the Classification section, click the Classify... and use the Method dropdown menu to switch from "Natural Breaks (Jenks)" to "Quantile". Click OK and then Apply to again preview your changes. Notice how the map changes rather dramatically.

5. Repeat the previous question's steps, but change the classification scheme to "Equal Interval".

6. Repeat the steps one last time, and change the classification scheme back to "Natural Breaks (Jenks)". Before you hit OK, change the number of classes from "5" to "7". Then click OK. Before you click Apply on the next window, change the color ramp from five categories to seven. Click Apply and then OK.

7. Export the final map as a `.pdf` at 300 dpi.