GEOG 432/832: Programming, Scripting, and Automation for GIS

Unit 10.02: Mapping with choropleths

Dr. Bitterman

Today's schedule

- Open discussion
- Slides, discussion and exercises
- For next class

Open discussion

Today's prep:

- New libraries (add them to your environment):
  - `mapclassify`
  - `pysal`
  - `libpysal`
- Download unit10_02inclass.ipynb (zipped) from Canvas

Today will be a bit different... how?

- We're going to use datasets built into the libpysal package
- I'm going to share with you an .ipynb file
- Why? Because I want to replicate the experience of how we "feel around" to accomplish a new task

Today's goal: make some choropleth maps

- What's a choropleth map?
- What are its characteristics?
- What are some limitations of choropleth mapping?

What does choropleth mapping require we do to our data?

Classification methods

What are they?

TO THE WHITEBOARD!!!!

Interactive look at the Jupyter notebook

On your own:

- Choose a different variable
- Choose a different color scheme (where to look?)
- Play around... ESDA

For next class

- Lab 5 due April 1st
- Lab 6 starts Friday - I MAY NOT BE HERE FRIDAY
- Readings are linked/posted on Canvas