

SOC 4650/5650: Lab 4-5 - Mapping Severe Weather Risk Factors

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Directions

Using data from the data/lab-data/ folder available in the module-4-layout-advanced repository, create several maps using RStudio. Your entire project folder system should be uploaded to GitHub by Monday, May 9th at 4:15pm.

Analysis Development

The goal of this section is to create a self contained project directory with all of the data, code, map documents, results, and documentation a project needs. Please ensure **all** required elements are present for making a map with ArcGIS Pro. **You can use your work for Lab 4-4 as a starting place, working out of the same repository if you prefer.**

Mapping

Building off the map you created for Lab 4-4, you should create a second map showing poverty rates (the percent of people living in poverty) for each county and display them alongside your mobile home data. Add an inset map showing the location of these counties within Missouri and Illinois as well. Your layout should therefore have three maps. Make sure you add a title, authorship information, legend, and scalebar to the layout. Export your map as a .pdf file (suitable for print). Make sure your map is saved to the results subfolder of your project.