

## *SOC 4650/5650: Lab 4-4 - Mapping Structures at Risk of Severe Weather*

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### *Directions*

Using data from the `data/lab-data/` folder available in the `module-4-layout-basics` repository, create several maps using RStudio. Your entire project folder system should be uploaded to GitHub by Monday, May 2<sup>nd</sup> 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.

### *Mapping*

Using a color ramp of your choice, symbolize the percentage of mobile homes in each county. Use the metro counties boundary layer overlaid on your choropleth layer to more clearly mark the county boundaries. Once your data are properly symbolized, create a map layout. Make sure you add a title, authorship information, legend, and scalebar to the plot. Export your map as a `.pdf` file (suitable for print). Make sure your map is saved to the `results` subfolder of your project.