

## Project 3: Map Series/GeoPDF

**Points: 50 Points**

**Task 1:** Create a map series that shows election results by county for each state. Each page should show the results for one state. You can map whatever election results you would like. Provide the result as a map series. If you do not want to have to search for data, I have provided election results for the 2008 and 2012 presidential races by county ([county\\_election\\_data\\_08\\_12.shp](#)). The winning party is provided in the “winner12” and “winner08” fields. I have also provided the state boundaries ([us\\_states.shp](#)).

**Rubric:**

- ❖ Each map should include the following: a scale bar, north arrow, a title (the state name), a legend, and a page number. Make sure to incorporate dynamic text. The states should be in alphabetical order. (10 Points)
- ❖ Include a graph for each state that helps explain the election results. Each graph should be specific to the state being shown. (5 Points)
- ❖ Write the result to a single, multipage PDF file. (5 Points)
- ❖ Create a cover page and short introduction that explains the maps and the data sources. (10 Points)
- ❖ Create an index page that describes what state is represented on each page. This should be accomplished using a map. (5 Points)
- ❖ The maps are overall very neat and well organized. Spacing is used well, and the data are well presented. (5 Points)

**Task 2:** Create a GeoPDF from the base map produced in Project 2. Provide the result as a PDF.

**Rubric:**

- ❖ The GeoPDF should contain layers so that different base map elements and layers can be turned on and off. (5 Points)
- ❖ Layers should be appropriately symbolized. (5 Points)