Jason Becker

CRP/LA 458

Final Project Title

My final project will be an interactive map showing data for states within the USA that are controllable within a legend. There will be user inputs and multiple basemaps that enrich data given in the control layers.

For the final project, I wish to start with a simple idea and grow upon it as I am able to. The cholorpleth map will be interactive through a legend that will adjust which cholorpleth layers are shown, using control layers, as well as adjusting the basemap. The map will be large scale, covering the US and have data that will be shown as you pan over a state.

An idea currently is elevation and how it relates to state data. I am thinking of ways to include user inputs such as a button or form. All that I am writing is heavily subject to change and I anticipate playing around with all sorts of basemaps and data to see what fits best, which is why I am hesitant to include too much in this proposal.

Tech used

* Leaflet
  + Leaflet-providers for basemap
* MapBox
* GitHub
* Geojson

Sources of Data

* <https://leaflet-extras.github.io/leaflet-providers/preview/>
* <https://catalog.data.gov/dataset/usgs-national-elevation-dataset-ned>
* Geojson.io
* census.gov

It is difficult to plan what exactly my project will cover before getting any hands-on experimenting with an original idea. I plan on growing the idea as I start to put things together, which is a challenge in itself. Another challenge I will need to face soon is finding layer datasets that will work well with using basemaps to enrich more data in the map.