For your final project you can build upon any of the technologies we have covered to date and explore the technology further or select a new mapping/coding technology to create maps. In either case your final project must result in a 'project'. The projects do not need to be full implementations, they can be subsets. For example, if your project involved a map that allowed users to get county information you would not have to do the entire US but could just focus on a single state or a region within the state knowing that you could scale up the counties included later.

Technologies:

- Leaflet
- Datastudios.google
- Highcharts
- R.shiny
- Excel*

Project:

1. Parking lot company conducting labor and site research to determine the best location for their next operation in the USA. What is a prime location for developing (and ultimately selling) a parking lot at this point in the US, and what factors should the 'investor' be aware about (SWOT Analysis).

To help understand the complexity of your proposal, please include links to other websites that might showcase something similar in terms of content or interface. The purpose of this proposal is so that I can guide you to do enough work, but not be overwhelmed by taking on something larger than can be completed in the time allowed.

http://sacramento.granicus.com/MetaViewer.php?view_id=7&clip_id=1350&meta_id=121462

http://www.cushmanwakefield.com/en/research-and-insight/unitedstates/st-louis-office-snapshot

https://docs.google.com/presentation/d/18HQn-VQjKSI0wwY2j4WKutskQhQXs0pHKO7M1-Tjbdo/edit?usp=sharing

- Edward Buelow
- Parking Lot Market Comparison
- Parking lot company conducting labor and site research to determine the best location for their next operation in the USA. We will be determining what is a prime location for developing (and ultimately selling) a parking lot at this point in the US, and what factors should the 'investor' be aware about (SWOT Analysis).
- This project will be in the point of view of a real estate consulting firm assisting their client (a parking lot LLC) who is searching for a new location while they are expanding their operations. The LLC has chosen 3-5 locations that they are interested in developing a new parking lot, and it is now my (the consulting firms) job to determine the optimal location. The project will include the following: an executive summary (background, objective, future steps), an outline of the project approach (locations of interest, evaluation criteria/weighting, etc.), Recommendations + Next steps, A performance matrix for each candidate location, location comparisons (economic, demographic, labor,), an overview of the Parking Lot LLC's needs i.e. available talent, cost of development, fair land/value assessment, expected growth in neighboring area/city (expecting a large payoff when property is eventually sold to developer*). Finally, there will be a a Market Overview for each of the candidate locations including a map (to be determined), key takeaways, and a chart depicting important facts about the relative site.
- At this point, I plan on using Leaflet, Datastudios.google, highcharts/highmaps, and possibly R.Shiny.
- I will be gathering public information from various institutions depending on the candidate locations that are chosen. Most of the data will most likely be available as a csv, which I will convert into a excel file to then make available in the programs of my choice i.e. datastudios.google. I believe I will run into various issues relative to my research and converting the data into legible maps as well as charts. I also believe there may be an issue finding available public information that is consistant through each of the candidate locations of interest.