Project #2

Group #15

Members:
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Topic: Historical Election Results by State and County from 1976 - 2020 (11 Elections)
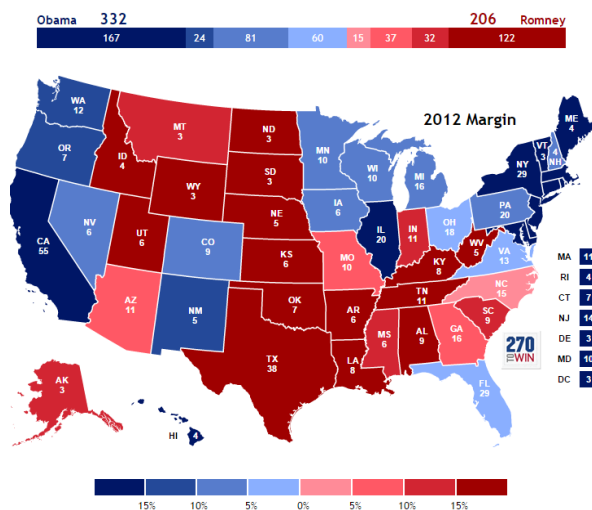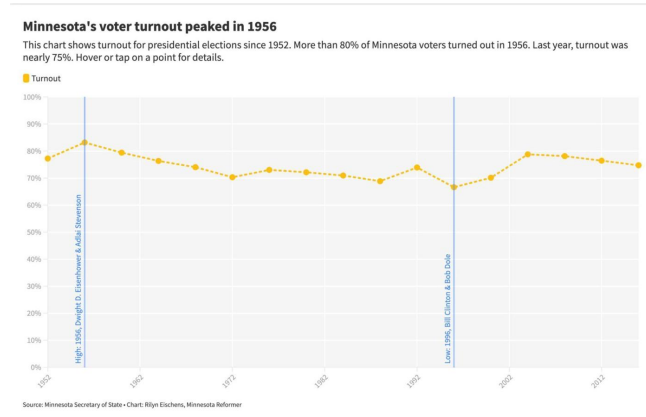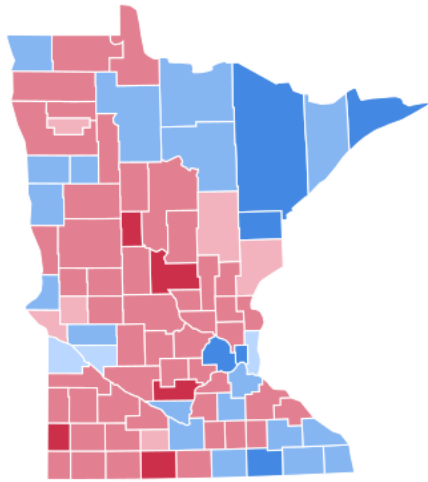
Overview:
- Use ETL techniques with python in jupyter notebook to trim datasets
- Export trimmed data frames to a database
- Design website layout with HTML/CSS
- Create Flask server and have at least one route to database
- Use D3, Plotly, and one additional Javascript library to visual data in at least 3 different ways (i.e. dropdown menus for years, political party affiliation)
- Use leaflet to visualize election data by state
- Explore using heatmaps and/or choropleths

Dataset Link:
https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/VOQCHQ
http://www.electproject.org/home/voter-turnout/voter-turnout-data

Screenshots:

Final Design Sketch:

We are hoping to create similar plots to the above chart, with options to change the year of the election. After clicking on a state in the map, they could investigate that state's voting level by county and historical voting turnout.

We will also do a paragraph summarizing the election results, i.e. saying "Candidate XXX beat Candidate YYY in the electoral college by a score of AAA - BBB."

Link to GitHub Repo: https://github.com/Steff-C/Project-2

Requirements: Group Number, Group Members, Topic and Overview, link to datasets, screenshots of any inspiring visuals, sketch of final design, link to the shared GitHub repo.
 Keep it simple, but make it complete.