|  |  |
| --- | --- |
| Project Name: | Analysis of US Presidential Results from 2008 to 2020 |
| Team Name: | 4 Masketeers |
| Team Members: | Alanna Javier, Donna Tigrett, Elizabeth Koehler, Anand Sharan |
| Project Description: | Analysis of US Presidential Results from 2008 to 2020 to find trends in voting patterns and identify possible reasons for those trends. |
| Data Sources: | US Election Results Data:   * 2008 election results at the county-level compiled by GitHub user @wboykinm. * 2012 election results at the county-level are taken from results published in an Excel file by the Guardian. [Link](https://www.theguardian.com/news/datablog/2012/nov/07/us-2012-election-county-results-download#data). * 2016 election results at the county-level from results published by Townhall.com. Their well-formatted county-level result tables for the 2016 presidential general election makes it easy for a web scraper like beautifulsoup to capture results. [Link.](http://townhall.com/election/2016/president/) * 2020 election results at the county-level are scraped from results published by from Fox News, Politico, and the New York Times.   Voter Registration & Demographics:   * The US Census Bureau Voting and Registration Dataset [link.](https://www.census.gov/topics/public-sector/voting.html) |
| Database Goal: | * To Store Voter Turnout and US Election results data |
| Extract: | Extract data using beautifulsoup and Python and Pandas |
| Transform: | Transform Json to GeoJson |
| Database: | Mongo DB and / or Postgress |

Rationale:

1. Identify trends in the election results from 2008-2020
   1. Identify the state with the largest changes in voting and the least changes in voting
2. Use voter registration and demographic data to identify possible reasons for those

Screenshots of “inspiring” visualizations:

Map

Description automatically generatedChart, scatter chart

Description automatically generatedChart, bar chart

Description automatically generated