

A Retrospective On The 2016 & 2020 Presidential Elections

Presented by:

Matthew Belcher, Waynette Burke,
Austin Calvo, Gino Hernandez, Jasmine Leal

The Purpose

The purpose of this project is to review voting trends in the United States Presidential Elections in 2016 and 2020. We will explore the relationships between different demographic and geographic variables and to determine correlations between these factors and voting for one of two major parties.



Questions

- Which states voted for one party in 2016 and another in 2020?
- How did the demographic makeup of these voting bases changed between 2016 and 2020?
- How did campaign contributions change in each state between 2016 and 2020?

Finding the Data

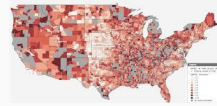
When collecting the data we collaborated on what data was needed. And divided it into three categories.

- Demographic
- Geographic
- Campaign Finance

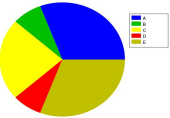
Visualizations: used for 2016 & 2020 Data



Bar Chart: the bar chart displayed the contributions receipt amount per party.



Leaflet Map: displayed the final voting results for each political party for each state.



Pie Chart: Exhibited the Demographics of Gender votes and Ethnicity votes and overall Republican vs Democratic votes



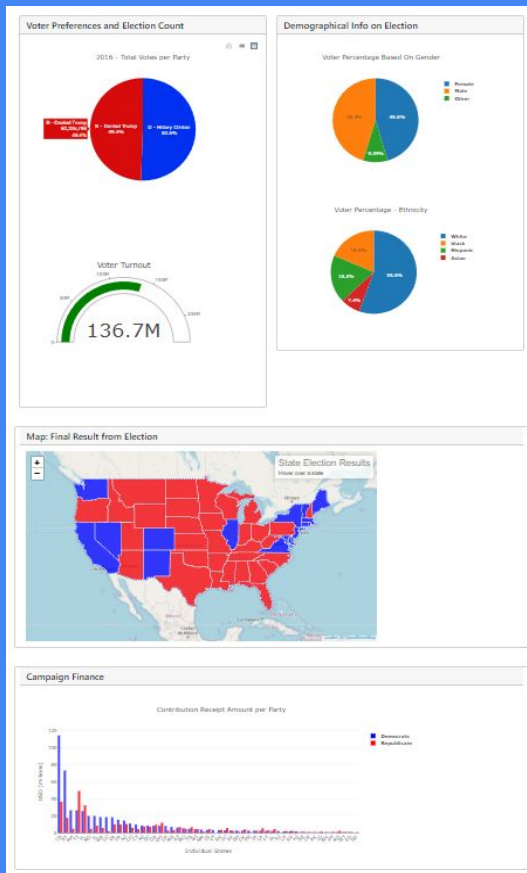
Speedometer: Showed the overall voter turnout.

Technologies & Languages used:

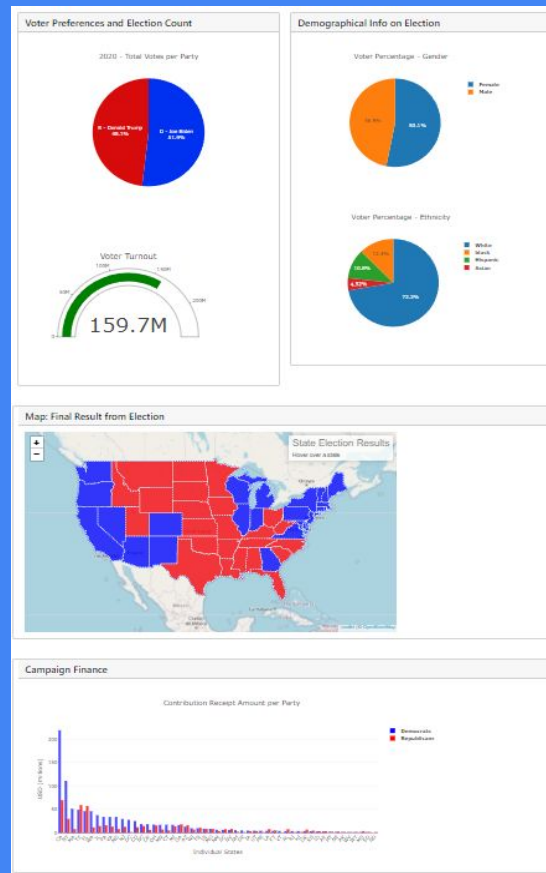
- Python
 - Pandas
- HTML
- SQL
- Leaflet
- Javascript
 - JSON
 - GeoJSON

Dashboard Homepage

2016



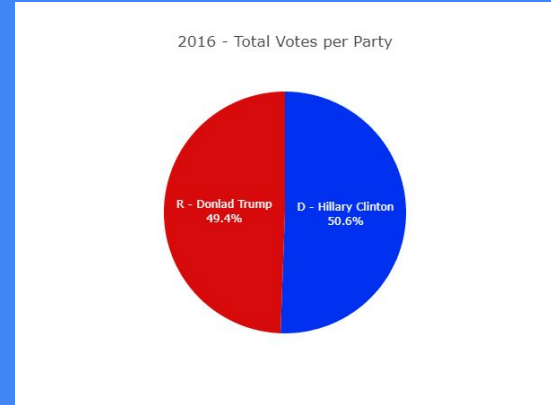
2020



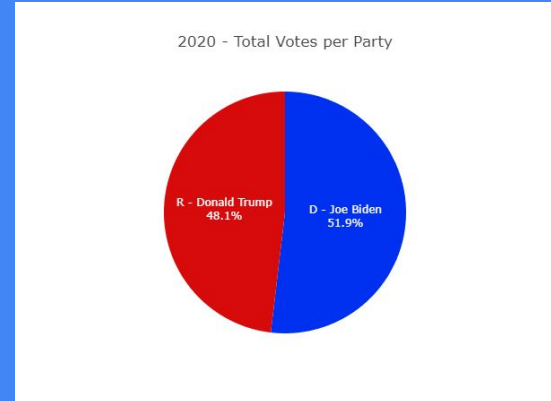
Visualization 1:

Total Votes Per Party

2016



2020

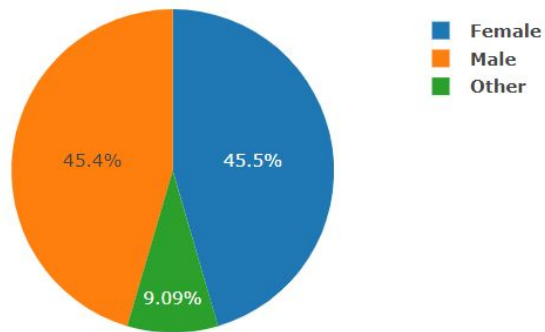


Visualization 2: Demographic info

(Voter Percentage based off Gender 2016 vs 2020)

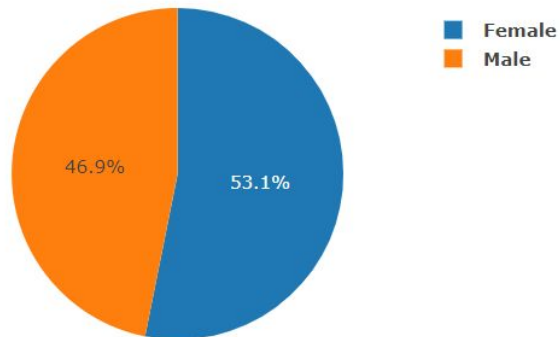
2016

Voter Percentage Based On Gender



2020

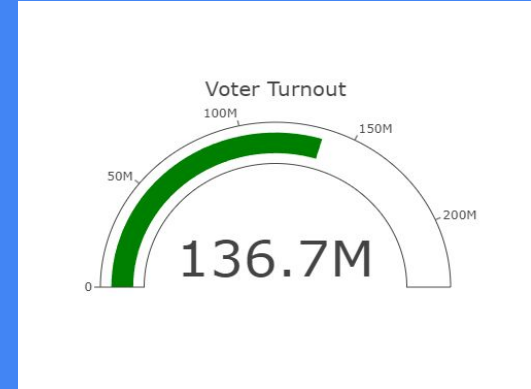
Voter Percentage - Gender



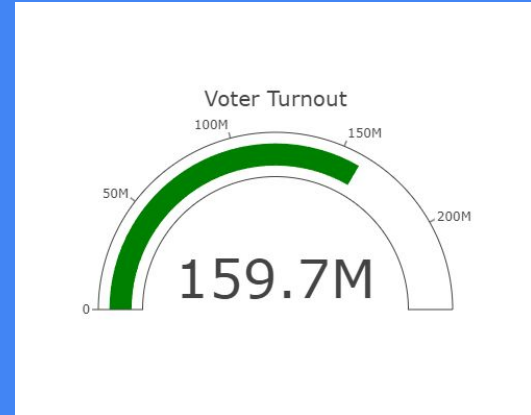
Visualization 3: Voter Turnout

2016 election compared to the 2020, there was an increase in Overall voter turnout in 2020 by 23 million.

2016



2020

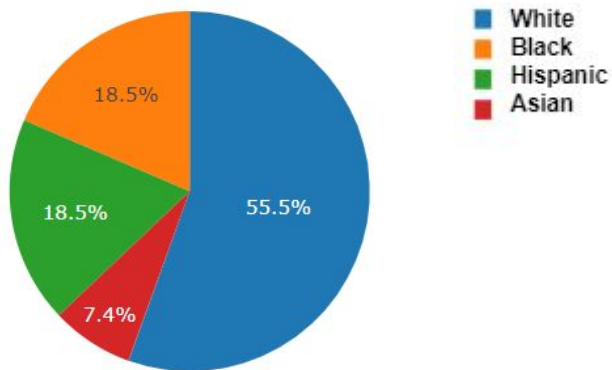


Visualization 4: Demographic info

(Voter Percentage based off Ethnicity 2016 vs 2020)

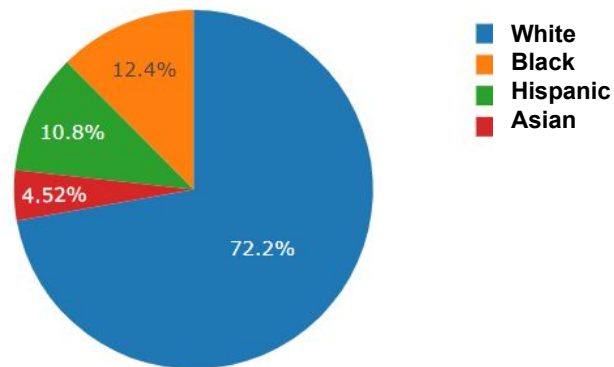
2016

Voter Percentage - Ethnicity



2020

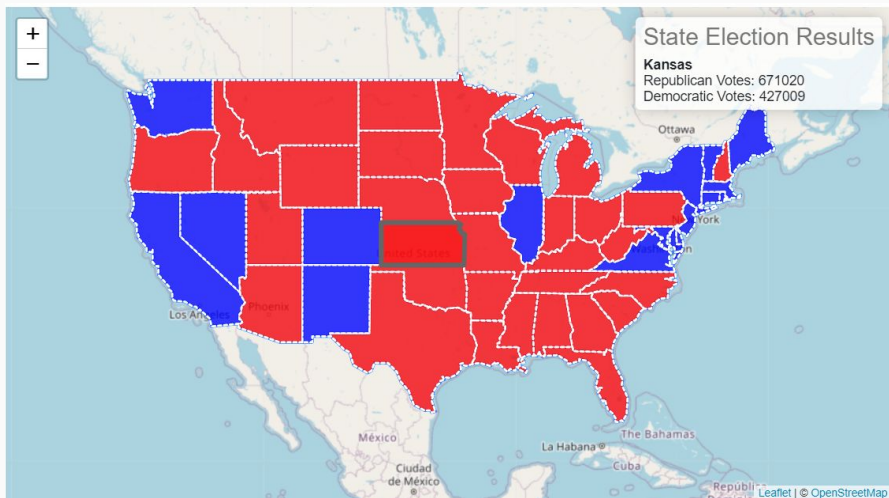
Voter Percentage - Ethnicity



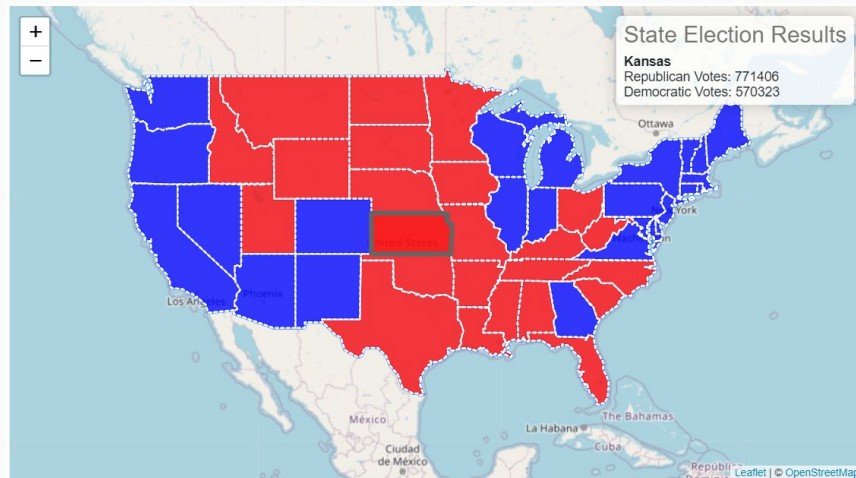
Visualization 5: Leaflet Map

(2016 vs 2020 Final Election Results)

2016



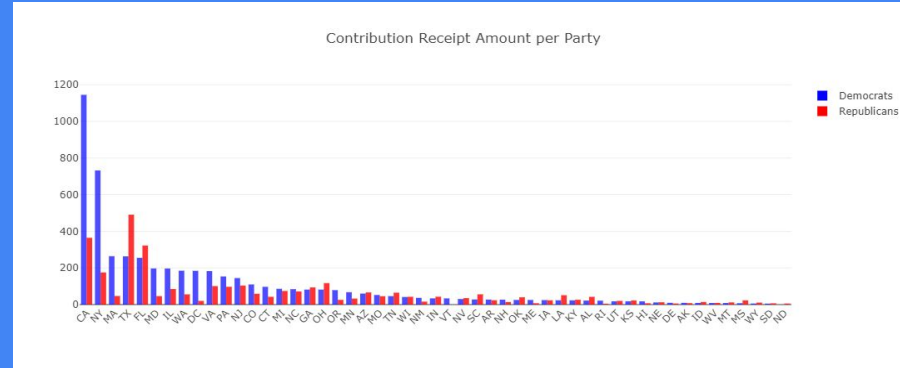
2020



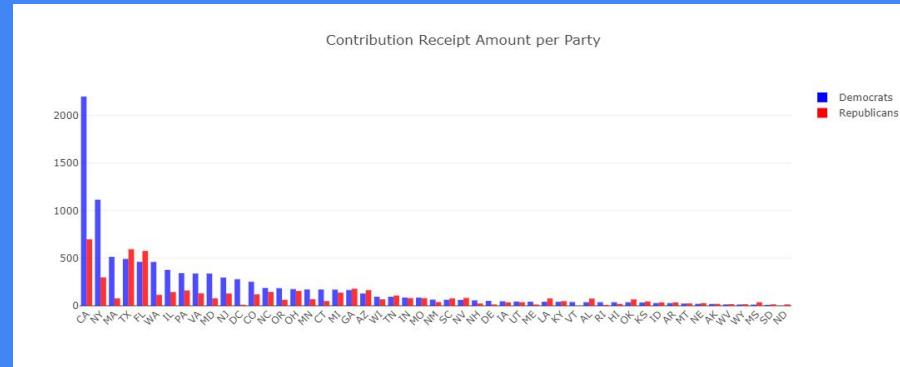
Visualization 6: Campaign finance

We decided to collect data showing campaign spending for the Republican and Democratic party in each state to comparing the spending per party. A chart was created for each year 2016 and 2020 using a bar chart.

2016



2020



Conclusion

Link to our GitHub:

<https://austindcalvo.github.io/proj-3-g2/>

Sources:

- <https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/VOQCHQ>
- <https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/LYW X3D>
- <https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/OKL2K1>
- **Federal Election Commission:** <https://www.fec.gov/>
 - <https://api.open.fec.gov/developers/>