Final Ideas

The motivation for this project

- Our intended motivation is to create a website to communicate information on the COVID-19 epidemic. More specifically, we would like to focus on excess deaths.

Relationships that we can explore

- excess death vs. prevention measures taken
  - whether a state implemented mask mandate
  - whether a state implemented travel restrictions
  - whether a state implemented shutdowns
  - whether a state implemented curfews
- excess death vs. demographic numbers
  - excess death vs ethnicities
  - excess death vs age groups
  - excess death vs population densities
- excess death vs. public attitudes
  - trump share vs biden share
  - vote by mail vs in person voting
  - polling differences

Potential results

- what are the best public health measures that can be taken that balances prevention of COVID-19 with the risk of triggering other public health crisis (domestic violence/drug overdose)
  - what kind of measures should be used for each groups
- How does public opinion/partisan identity contribute/prevent successful measures of containing the COVID-19.
- beware of the time effect on the excess death rate (recent death/hospitalization will be lower than the beginning of the pandemic as doctors have more familiarity with treatment of the disease)

The anticipated data sources

- We will be initially using a data source from the CDC. This data source displays information excess deaths associated with COVID-19. https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm
- https://www.nytimes.com/interactive/2020/11/03/us/elections/results-president.html 2020 election data (maybe we can scrap)
- https://covidtracking.com/ total COVID cases/hospitalization/deaths tracking by states
- https://www.census.gov/data/datasets.html census data for state's demographic chracteristics

The planned analyses / visualizations / coding challenges

- We hope to create a website that includes a variety of graphs using shiny techniques.