Gun Violence in America

Description:
We all know that gun violence in the US is prevalent, but is gun violence getting worse over the years? For our project, we will use an interactive dashboard to show viewers the impact that guns have had over the years across the US. How has the pandemic impacted gun violence? Has gun violence increased in a certain state, and does being a red state or a blue state affect their safety from the dangers of guns? Our goal is to create a visual presentation of the data that we find to answer these questions.

Group Members:
- Selina
- Mike Ariwodo
- William M
- Aimee V
- Jarvis L
- Vertta M
- Pradip
- Valentina Z
- James D
- Gina S
- Preston H

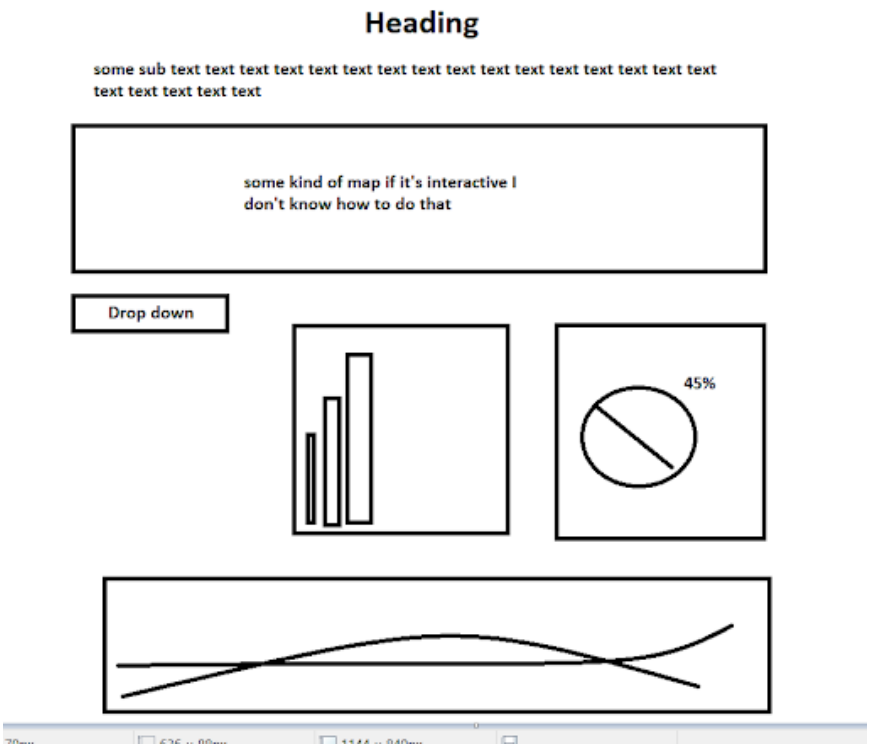
Datasets:
- https://www.gunviolencearchive.org/mass-shooting
- https://www.safehome.org/data/firearms-guns-statistics/#police
- https://www.gunviolencearchive.org/accidental-injuries
- https://www.gunviolencearchive.org/accidental-deaths
- https://worldpopulationreview.com/state-rankings/gun-ownership-by-state
- https://en.wikipedia.org/wiki/Political_party_strength_in_U.S._states

Database: MongoDB
GitHub Link: https://github.com/aimeevu/project-3-group-e

Tasks:
- Set up database - *Vertta/Selina*
- Clean data - *James*
- Flask API - *Aimee*
- HTML/CSS frame of website - *Gina/Aimee*
- Interactions
    - Interactive - *Valentina/Michael*
        - Heatmap toggle button
        - State Statistics Display
        - Types of gun violence (Data categories) - displayed on map

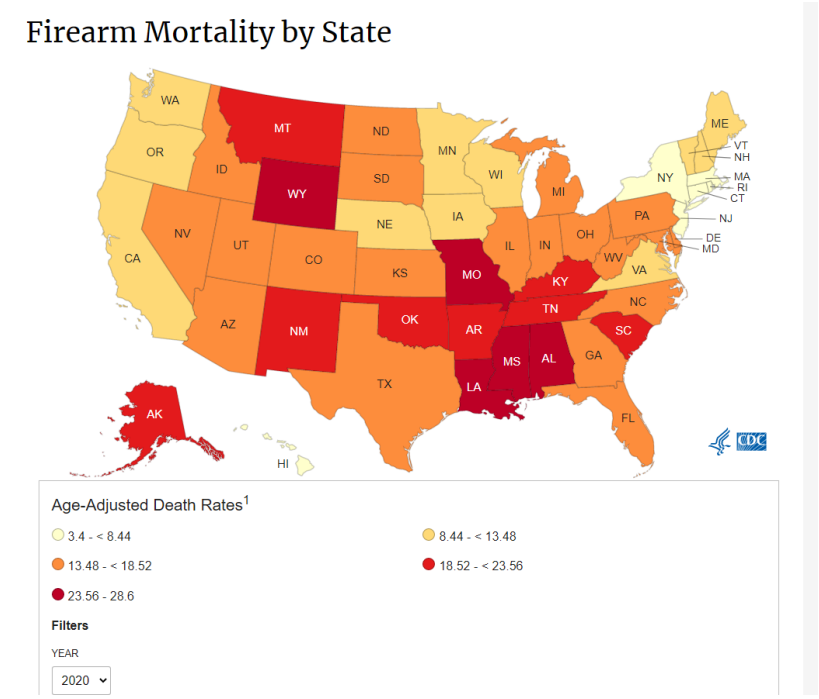
                - Mass Shooting
                - Officer Involved Shootings
                - Accidental Injuries
                - Accidental Deaths
        - Drop Down Categories - *William/Jarvis*
            - How has the pandemic affected gun violence
                - Time
                - Count of Data Categories
            - Rate of death vs year
                - Number of Deaths
                - Year
            - Rate of injury vs year
                - Number of Injury
                - Year
            - Red vs Blue - Political view
                - State Party
                - Time
                - Count of Data Categories
- PowerPoint Presentation - (Done by Tuesday) - *Aimee/Pradip*
- README - *Michael/James*

Sketch:

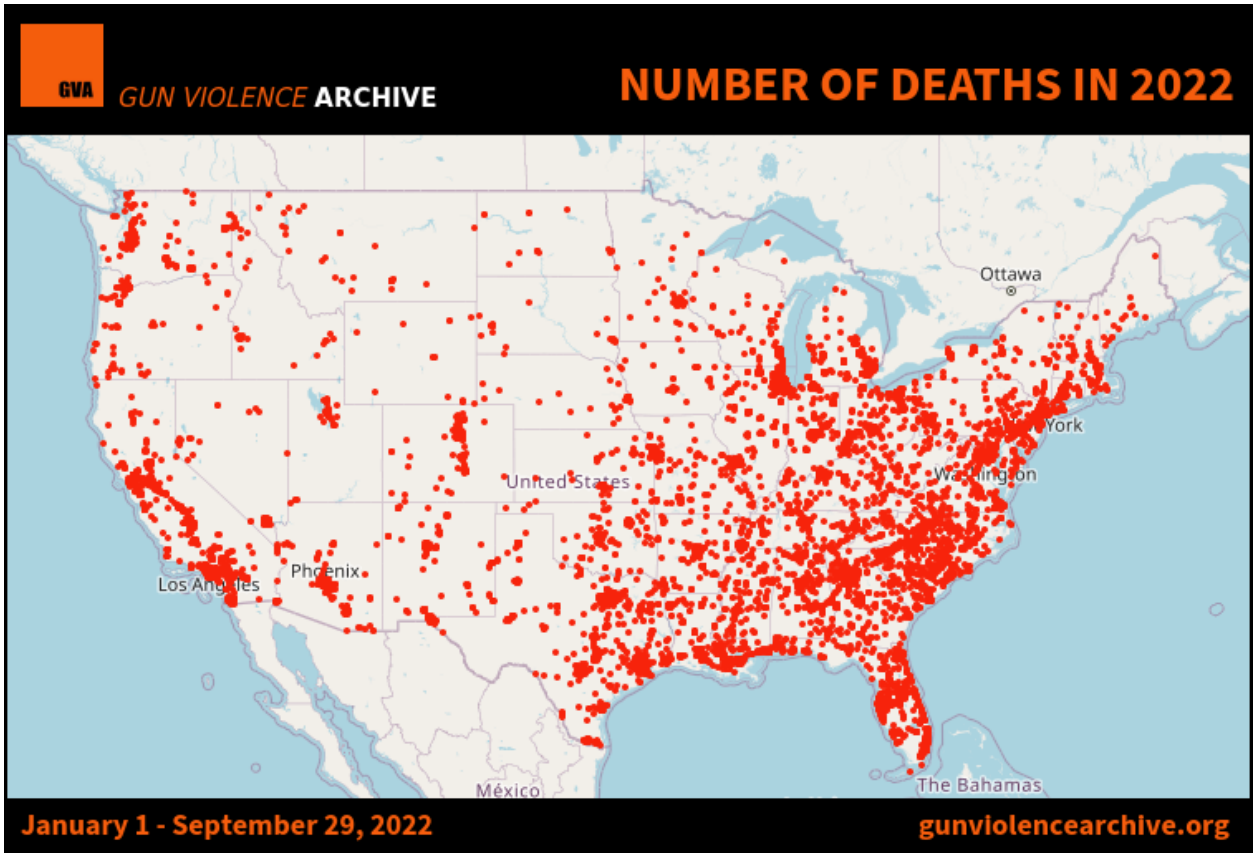


Inspiring Visualizations:

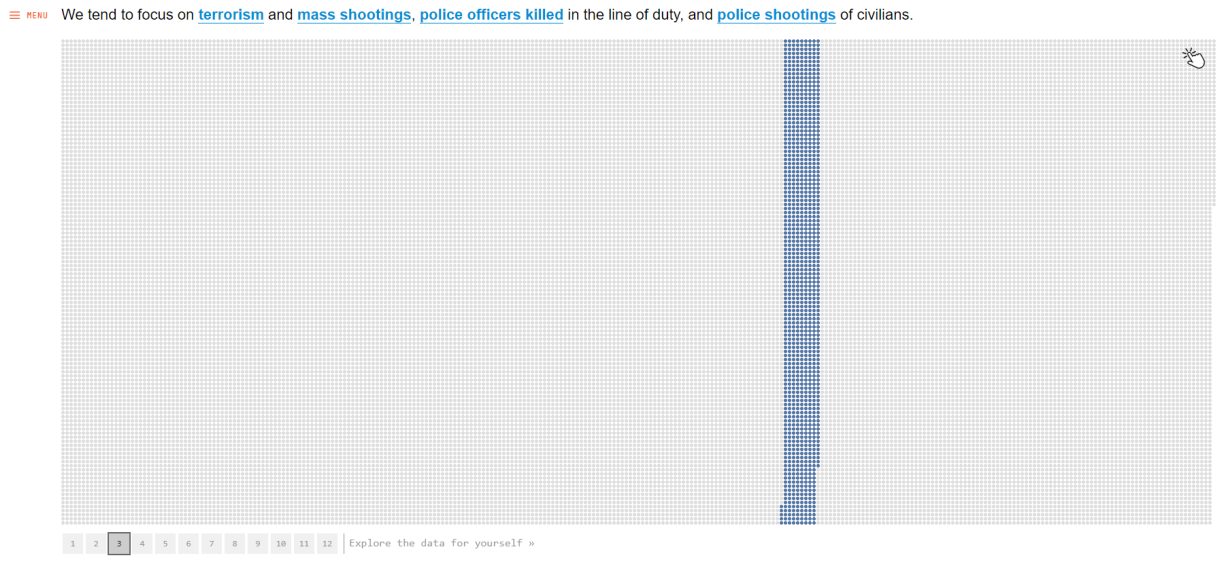
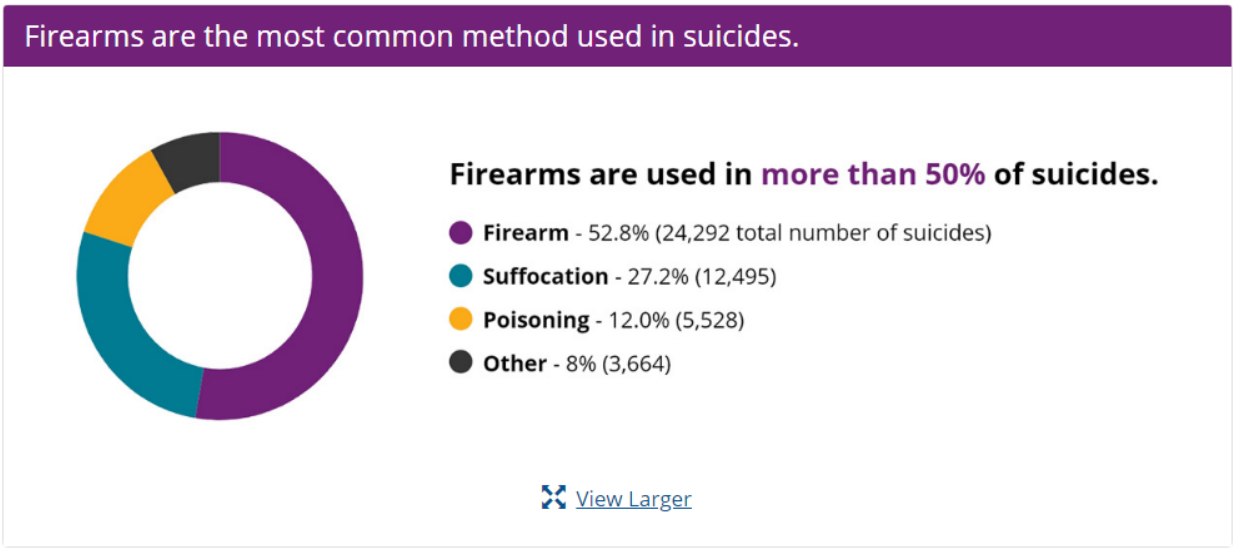
https://www.cdc.gov/nchs/pressroom/sosmap/firearm_mortality/firearm.htm



https://www.gunviolencearchive.org/charts-and-maps



https://fivethirtyeight.com/features/gun-deaths/



https://www.cdc.gov/suicide/suicide-data-statistics.html