

Five Ideas

1. Bad Drivers - We can display a map of the US and show various statistics in this dataset based on color. Another idea is to create a comparative bar chart that shows the amount for each numeric variable for each state. Each category can be represented by a differently colored bar.
<https://github.com/fivethirtyeight/data/tree/master/bad-drivers>
2. Police Killings - Compare police shootings based on race, age, and gender. This data can be shown as some sort of comparative bar chart. The categories will be grouped by race, and each bar will be further compared to age and gender.
https://github.com/fivethirtyeight/data/blob/master/police-killings/police_killings.csv
3. Murder 2016 - We can have a map of the US and display a dot at each murder location. The dot can vary in size based on what the murder frequency is, and the dot can also vary in color based on the change in murder frequencies between 2014 and 2015.
https://github.com/fivethirtyeight/data/blob/master/murder_2016/murder_2015_final.csv
4. Unisex names - We can compare the frequencies of the top unisex names. Then compare the relative frequency of each gender for each unisex name. The frequencies of the top unisex name will be visualized by baby bottle size. The relative frequency of each gender for each name will be visualized by filling up the bottle side by side with pink and blue.
https://github.com/fivethirtyeight/data/blob/master/unisex-names/unisex_names_table.csv
5. Gun violence - We can demonstrate the frequency of gun violence in each state in the US by displaying a US map svg that is color coded based on frequency of gun violence. Green states indicates no gun violence, yellow states indicates some gun violence, orange states indicates a large number of gun violence, and red states indicates states with the highest gun violence. The number of gun violence (across all cities) will be displayed on each state. In addition, we could also show a bar chart of the gun violence in each state over the years 2014-2016, which could show how gun violence is decreasing or increasing in each state.
<https://www.kaggle.com/gunviolencearchive/gun-violence-database/data>

Assigned Tasks

Amanda:

- For each of the underlined datasets, formulate and sketch a design.

Annie:

- For each of the underlined datasets, formulate and sketch a design.

Billy:

- For each of the underlined datasets, formulate and sketch a design.

Names/netids: Amanda Ong (ayo3), Annie Zhang (zz229), Billy Zhu (bz83)

We agree to the following policies for our team. Once agreed to, these policies cannot be changed for the duration of the project.

Team roles. Any specific roles within the group, their responsibilities, and how those roles will be assigned or rotated.

Amanda can focus more on design (she has hand tendonitis and cannot type too much), and Billy can focus more on coding. Annie will rotate between focusing more on one of the two as needed and bridge the gap.

Decision making. For example: consensus, majority vote, or team captain.
Majority vote.

Communication. Methods of communication, and expectations for response times.
Facebook Messenger! Code sharing on github. Respond within 24 hours.

Balance of responsibilities. Procedures for ensuring that everyone contributes.
We will check in every three days with each other to keep each other on track and up to date.

Enforcement. When and how we will verify that all team members are following the terms of this contract.

Bring up issues during team meetings.

Conflict Resolution. What we will do when we identify problems, and how we will resolve them.

Talk things out, identify issues when we see them.

Signatures:



Billy Zhu



Annie Zhang



Amanda Ong

TA Witness Signature: *Alexander Fernandez*