

Police Brutality in America

1. Introduction - Vivian

- a. Systemic racism is ingrained in many of America's longstanding institutions. With the recent killings of George Floyd, Ahmaud Arbery, and Breonna Taylor, there has been widespread attention to the prevalence of police brutality and its disproportionate focus on Black Americans. Not only does police brutality result in the senseless killings of so many individuals in this country but it also impacts the communities in which such killings occur.
- b. Interactive Prediction
 - i. Map - overview of # of deaths over the country (Vivian's)
 - 1. Have user toggle through different races (unlabeled), and guess

2. General Trends (hook + motivation) - Asad

- a. Number of killings on the rise
 - i. Plot.ly animated histogram (Asad's)
- b. Ratio examples of severity
 - i. Rates across races for different states (Asad - Tableau)

3. Socioeconomic connections - Asad

- a. Urban-surburban-rural breakdown (Asad - Tableau)
- b. Income buckets (Asad)
- c. Explore education and housing connection with police killings (Asad)

4. Police policies - Mei

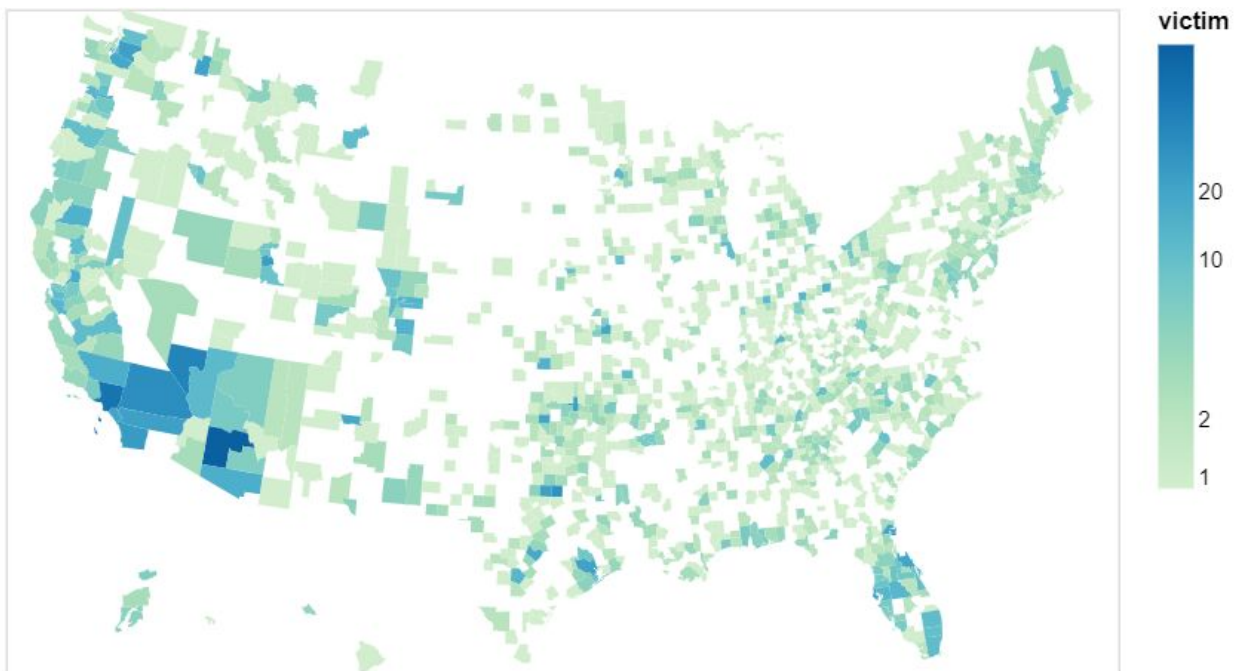
- a. Changes in homicide rates over time / as more policies are implemented (Julie)
- b. Funding (plot.ly moving dots over time - Mei)

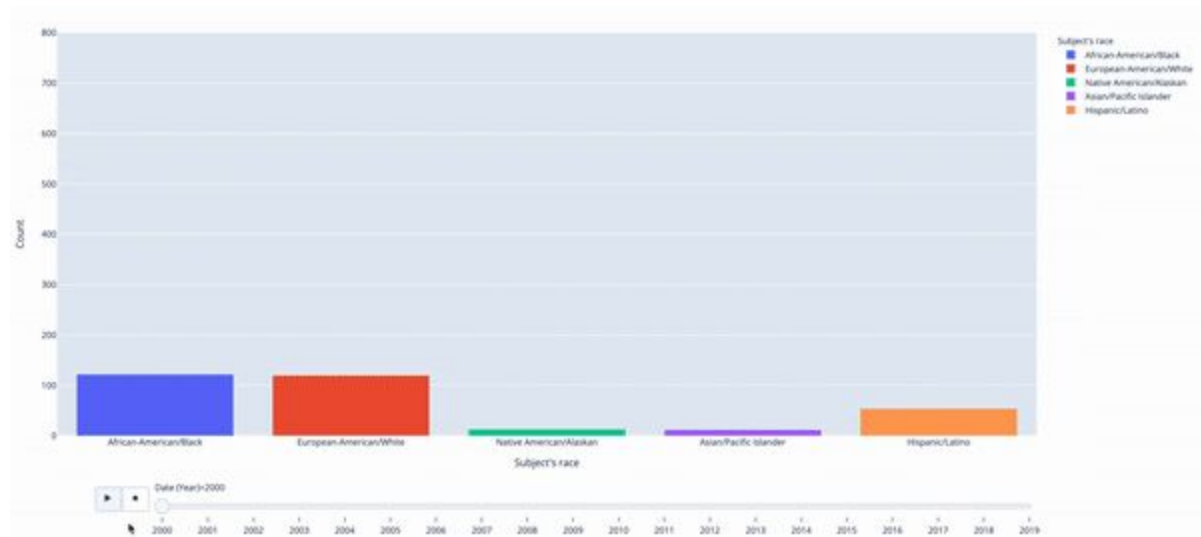
5. Call to action - Julie

- a. City case studies (Vivian?)
- b. Adopting more policies
- c. Economic initiatives
- d. Link websites (donation etc)

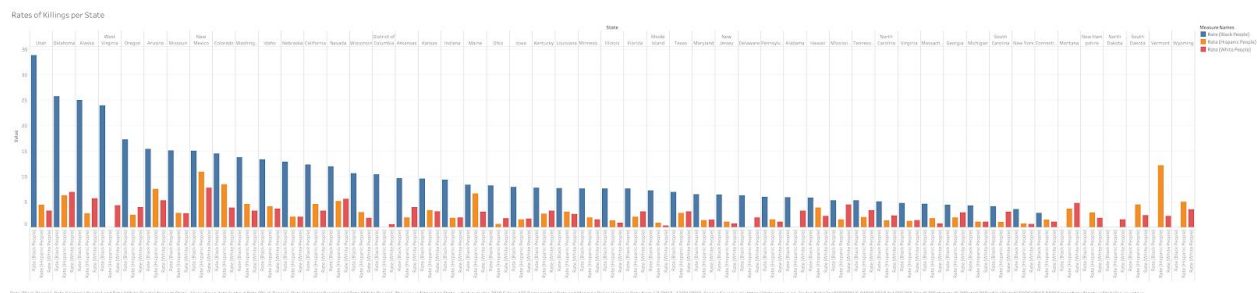
Visualizing Police Brutality in America

Systemic racism is ingrained in many of America's longstanding institutions. With the recent killings of George Floyd, Ahmaud Arbery, and Breonna Taylor, there has been widespread attention to the prevalence of police brutality and its disproportionate focus on Black Americans. Not only does police brutality result in the senseless killings of so many individuals in this country but it also impacts the communities in which such killings occur.

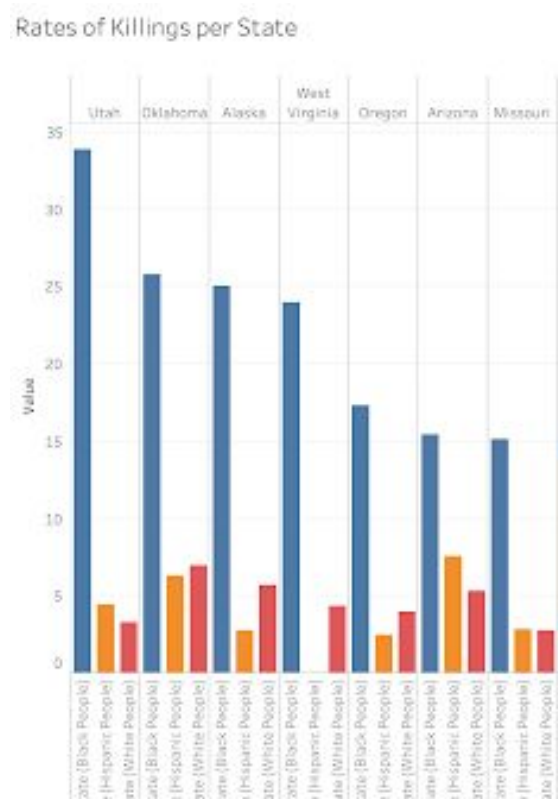




Nationwide, there has been a fairly consistent rise in killings of citizens by the police.



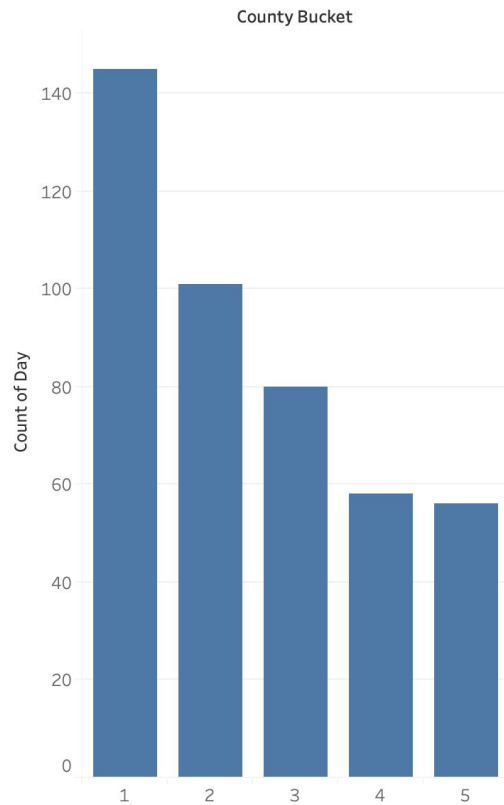
When we examine homicide rates of various races on a statewide level, we can see that for all states that have recorded homicide rates of police violence, the rate is higher for black people than for people that are white or hispanic.



If you take a look at the states with the highest disparity between rates of killings for black populations versus white and hispanic, you can see that in Utah, for example, a black person is 10 times more likely to be killed in comparison to a white person.

It is also important to explore the economic trends between police killings and the communities in which they occur. When taking a look at the average personal income per country, creating bins based on the quantiles of personal income.

Income Buckets

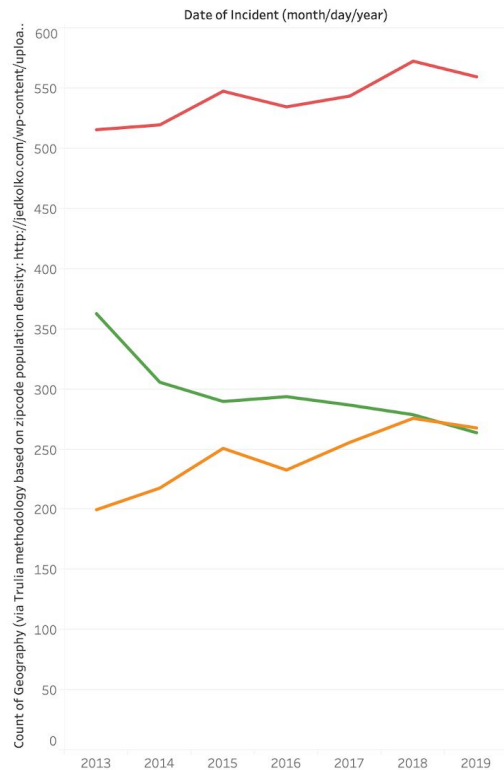


Count of Day for each County Bucket. The view is filtered on County Bucket, which keeps 1, 2, 3, 4 and 5.

We can see that there are more incidents of police killings in lower income areas, and we can further examine this by looking at the geography of police killings.

Is the disparity and prevalence of police killings the same across rural, suburban, and urban areas?

Geographical Breakdown of Police Violence



The trend of count of Geography (via Trulia methodology based on zipcode population density: <http://jedkolko.com/wp-content/uploads/2015/05/full-ZCTA>) for Date of Incident (month/day/year) Year. Color shows details about Geography (via Trulia methodology based on zipcode population density: <http://jedkolko.com/wp-content/uploads/2015/05/full-ZCTA>). The view is filtered on Exclusions (Geography (via Trulia methodology based on zipcode population density: <http://jedkolko.com/wp-content/uploads/2015/05/full-ZCTA>), YEAR(Date of Incident (month/day/year))) and Date of Incident (month/day/year) Year. The Exclusions (Geography (via Trulia methodology based on zipcode population density: <http://jedkolko.com/wp-content/uploads/2015/05/full-ZCTA>), YEAR(Date of Incident (month/day/year))) filter keeps 23 members. The Date of Incident (month/day/year) Year filter excludes 2020.

Geography (via Trulia methodology based on zipcode population density: <http://jedkolko.c>

- Rural
- Suburban
- Urban

When examining the geographic breakdown of police violence since 2013, we can see that there is actually a decreasing trend in urban police killings, while suburban and rural police killings seem to be on the rise.

