

CHECKPOINT 2

The Royal Zombies

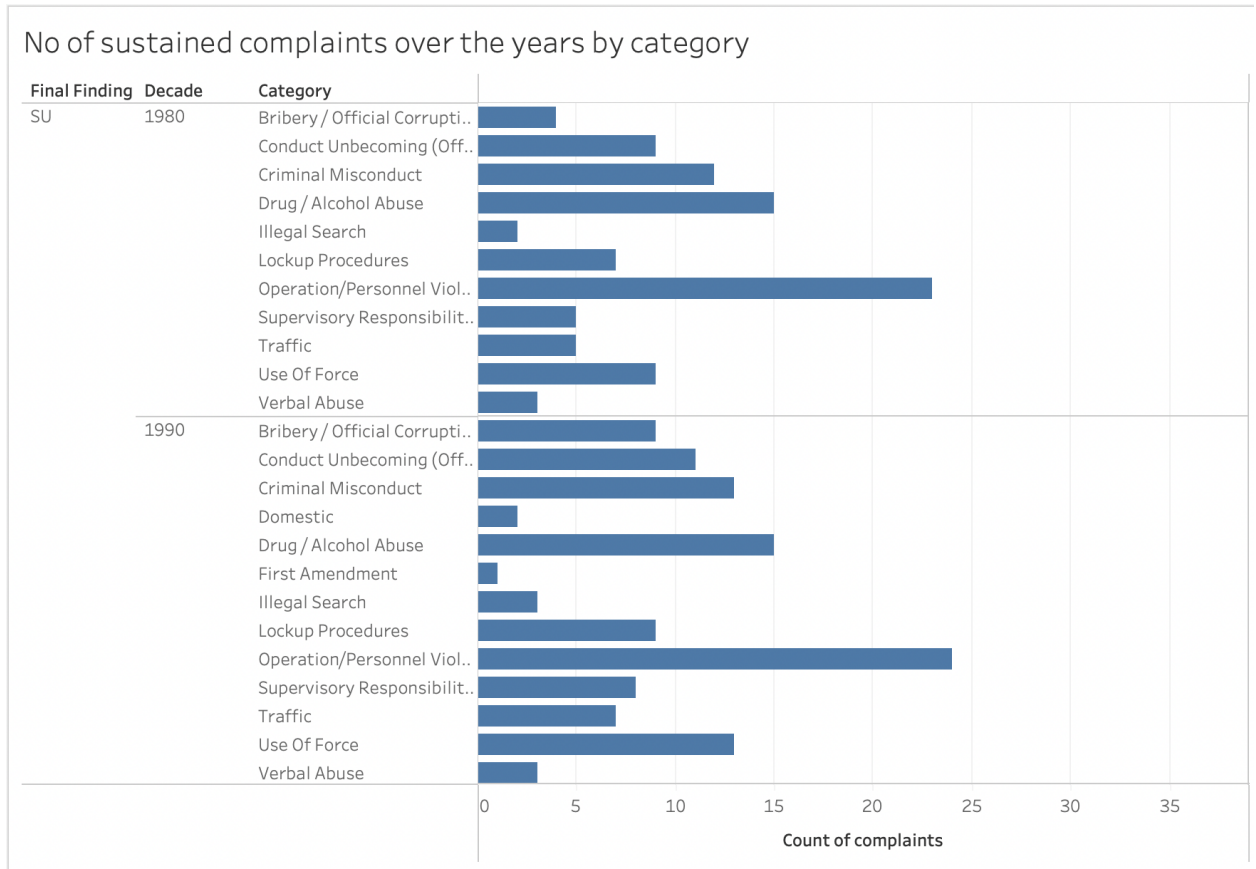
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1. Horizontal Bar- Trend of sustained complaints by category over the decades -

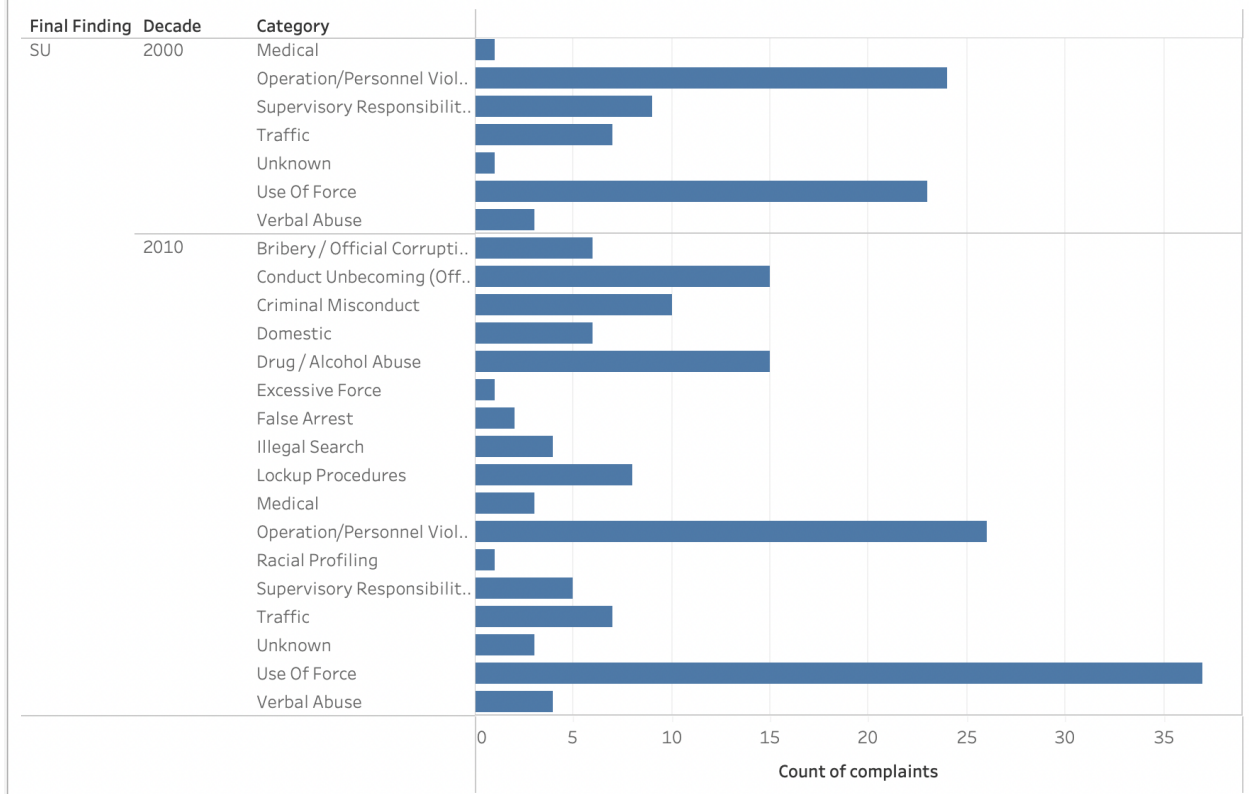
This is a stacked bar graph where x-axis represent the count of sustained complaints and y-axis represent categories of sustained complaints over the decades.

From this graph we observe that the number of sustained complaints for “**Operation/Personnel violations**” are maximum every decade except for the recent decade i.e. 2010.

In the recent decade, complaints of “Operation/personnel violations” are in the same range as usual but the sustainment for the complaint category “**Use of force**” has increased noticeably. This correlates with the sentiment that the general public has been portraying about the police in general over the last decade.



No of sustained complaints over the years by category

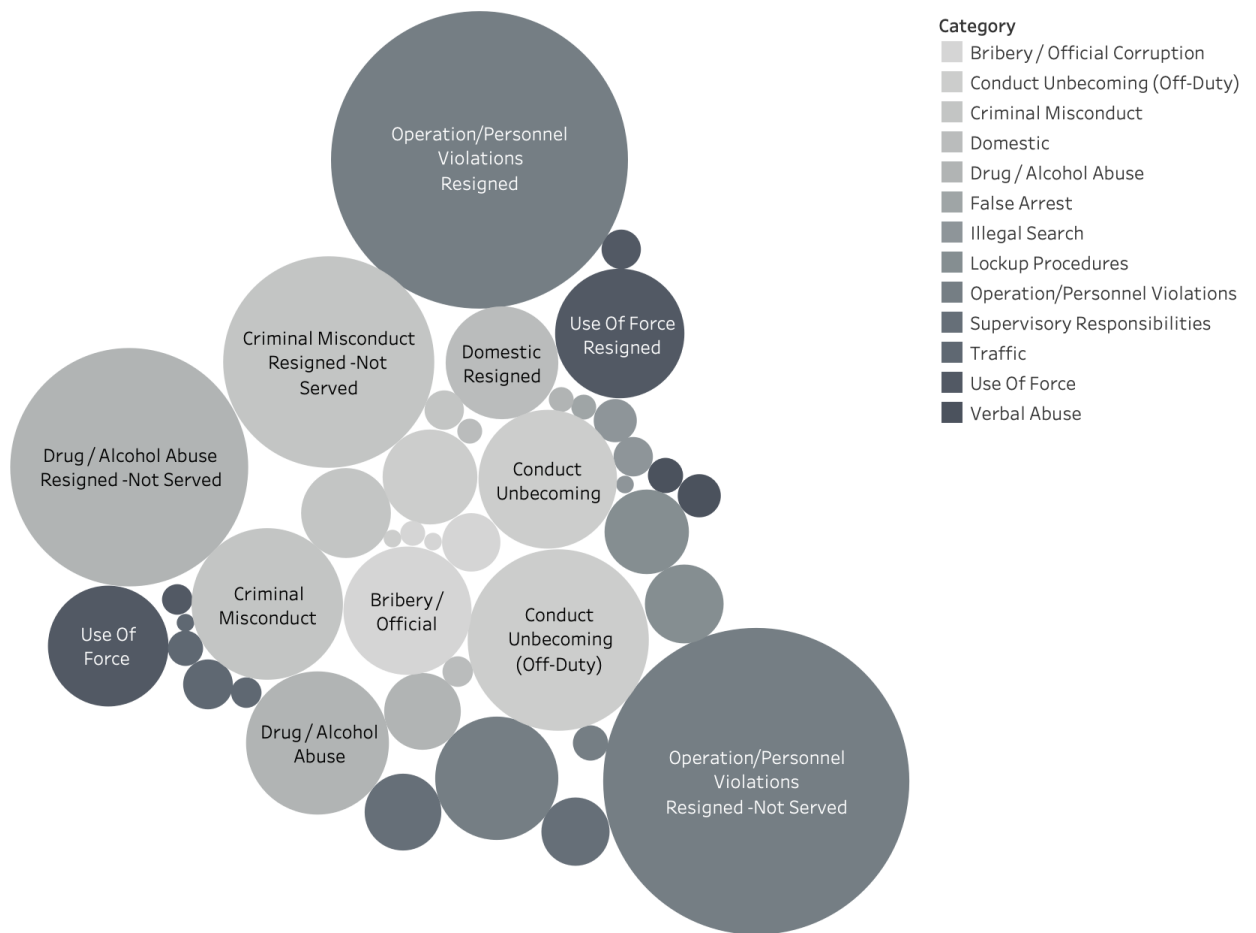


2. Packed Bubbles- Severe consequences count by category-

We define the following consequences to be severe - 'Resigned', 'Administrative termination', 'Resigned - not served', 'Suspended indefinitely'. Each bubble represents a category and the consequence associated with it. The bigger the dimensions of the bubble, the higher the number of severe consequences of that category.

From this visual, we can interpret that '**Operation/Personnel Violations**', '**Drug/Alcohol abuse**' and '**Criminal Misconduct**' are the categories given the highest number of severe punishments.

Severe consequences count by category

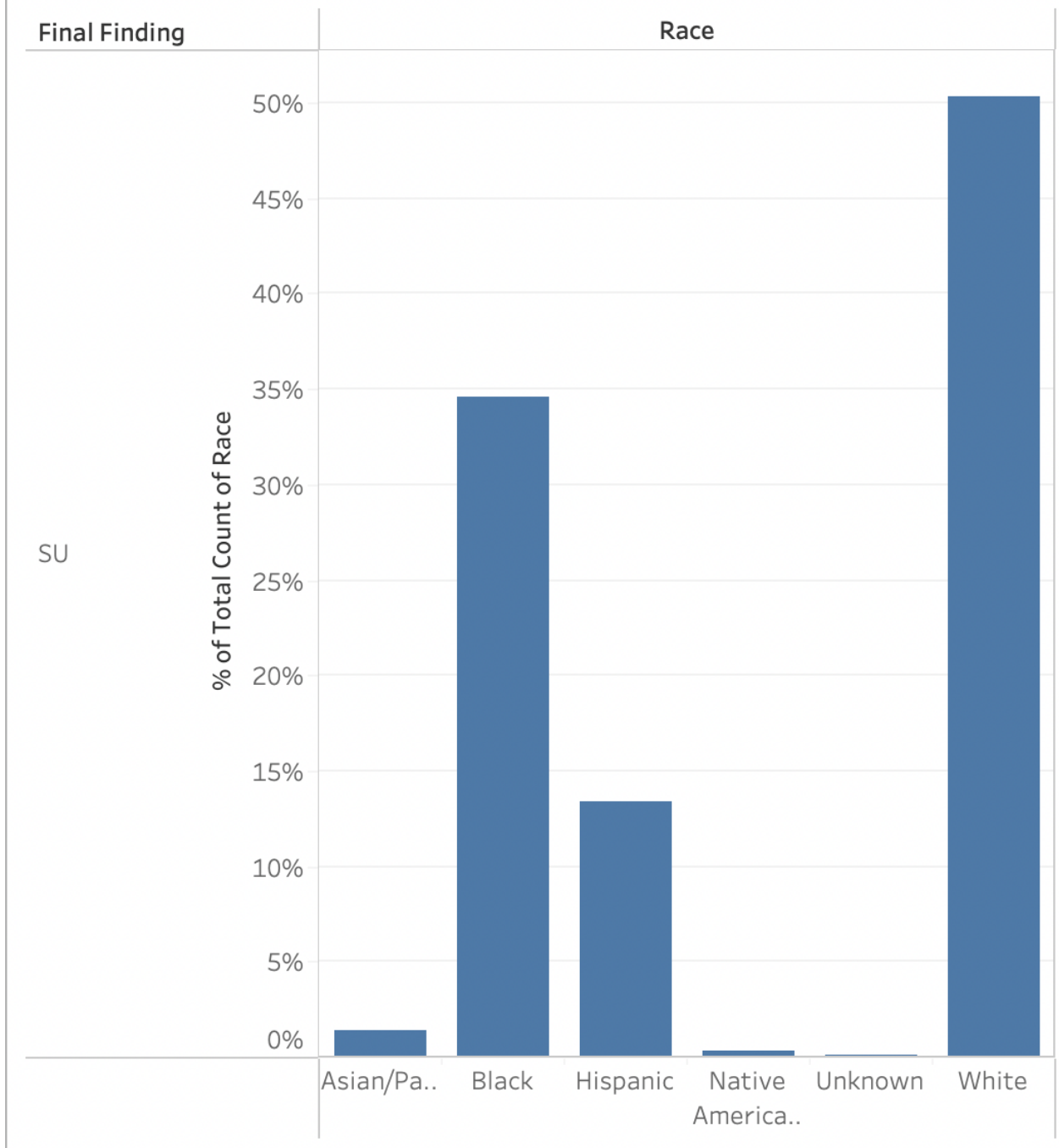


Category and Final Outcome. Color shows details about Category. Size shows count of Final Outcome. The marks are labeled by Category and Final Outcome. The view is filtered on Final Outcome, which keeps Administrative Termination, Resigned, Resigned -Not Served and Suspended Indefinitely.

3. a) Bar graph - Sustained complaints Count by race-

This graph represents the number of sustained complaints by each race, x- axis represents different races and y axis represents the number of sustained complaints. Through this graph we observe that out of all the complaints sustained, **complaints sustained against white police officers are greater than black, hispanic, etc.**

Sustained complaints count by race



b) Horizontal bar- Sustained complaints count by rank-

This graph represents the total number of complaints sustained against the police officers based on their ranks. It shows the top 20 ranks with the most number of sustained complaints against them.

We observe that complaints against police officers with the rank “**Police officer**” have

the maximum complaints sustained against them.

