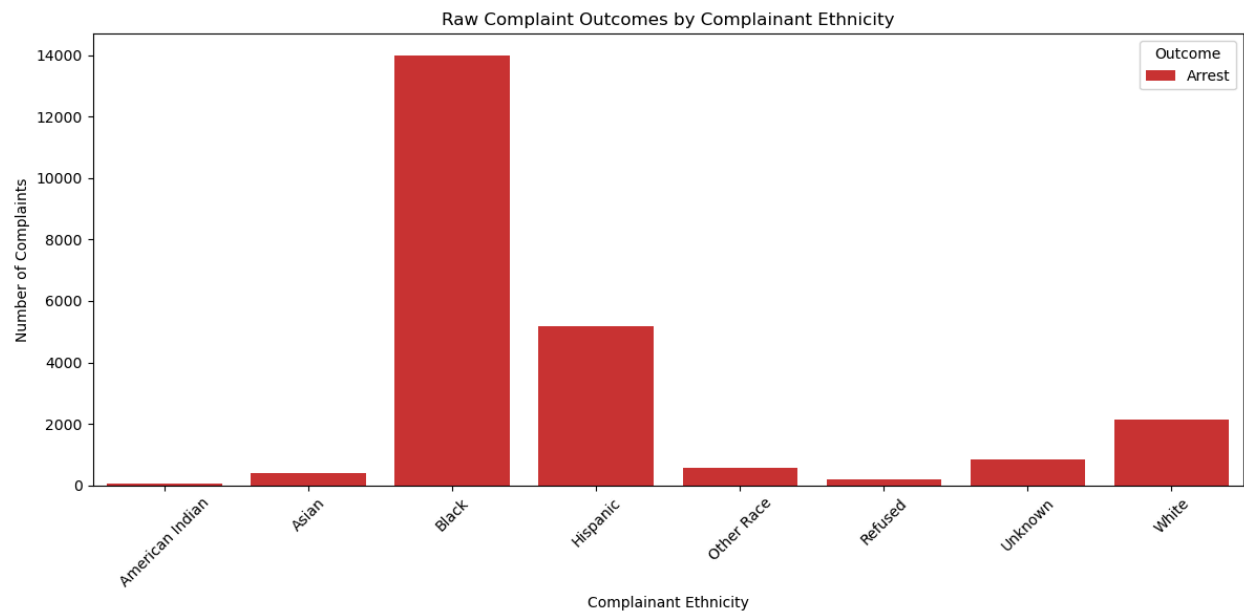
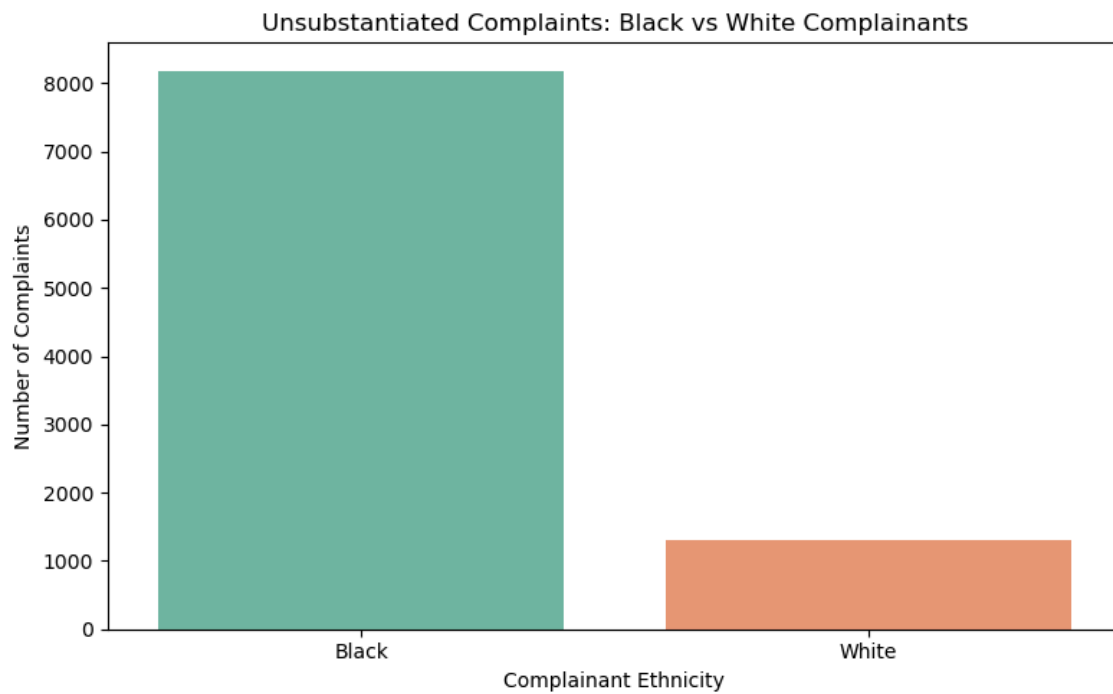


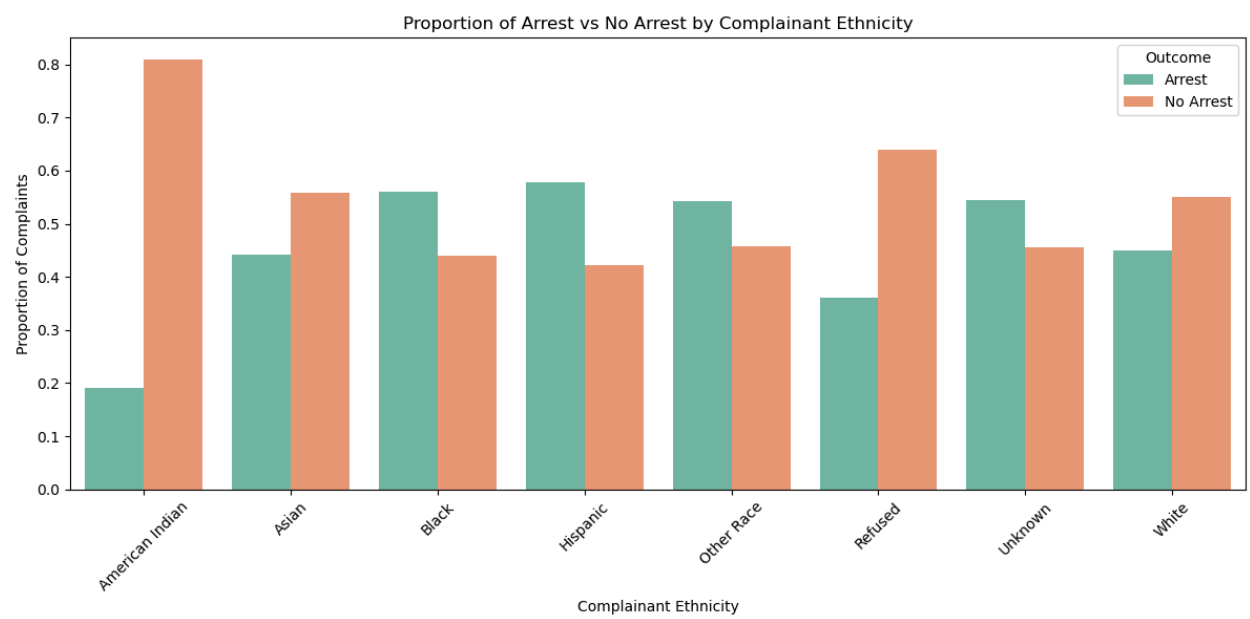
Visual 1:



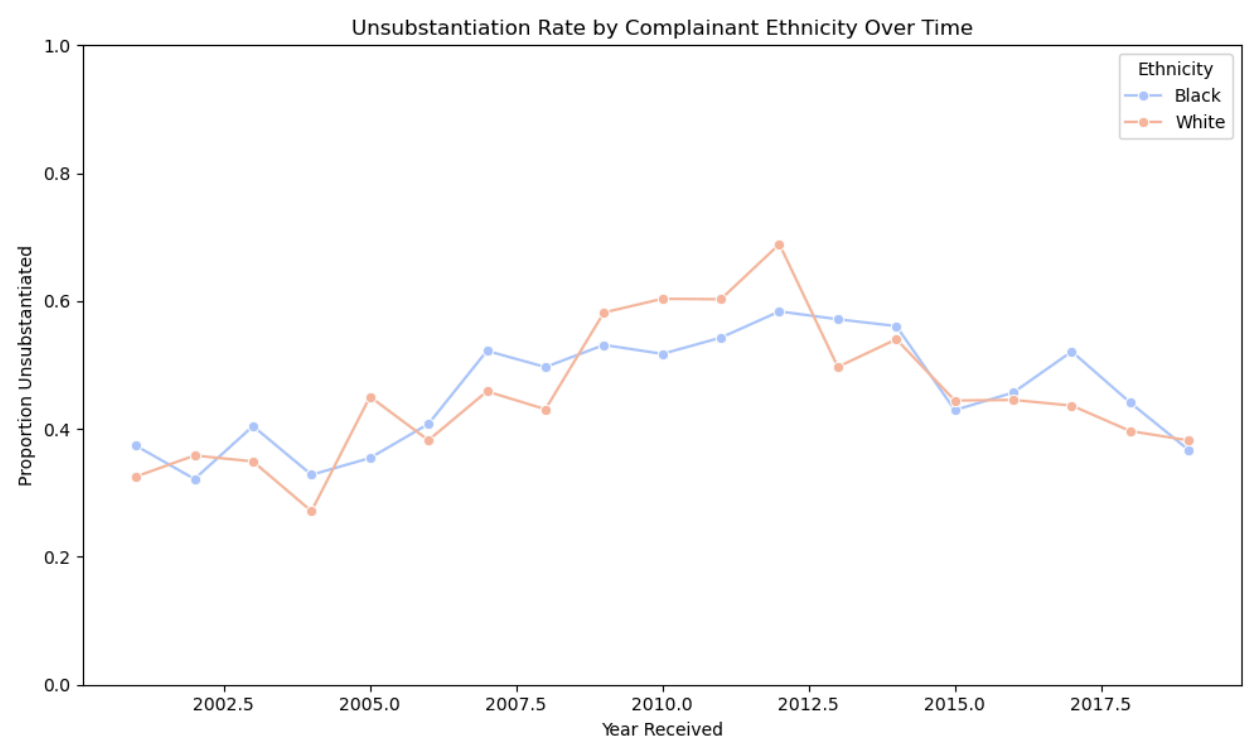
Visual 2:



Visual 3:



Visual 4:



Proposition 1: There is a disproportionate amount of Arrest for people of color (in particular Black and Hispanic)

For argument (visual 1)

- Shows the number of complaints with “Arrest” in the board\_disposition
- Doesn’t account for how Black people are already over-represented in this data
- Doesn’t show how it compares to the amount of complaints with “No Arrest” in the board\_disposition

Against (visual 3)

- Displays the proportion of Arrest vs No Arrest in board\_disposition by race
- Implies that most ethnicities carry the same proportion of Arrests (with Black and Hispanic being the same)
- White is still lower than Black and Hispanic, but because it’s off to the side it is not as obvious / dramatic of an observation (graphical perception)

Proposition 2: Black people receive more unsubstantiated complaints than White people

For argument (visual 2)

- Only takes into account totals again (doesn’t consider proportion even though, again, Black people are overrepresented)
- I focused on only Black and White as adding the other ethnicities made the difference seem less dramatic

Against (visual 4)

- Shows the proportion of unsubstantiated complainant rate over time
- Shows how White people and Black people go back and forth between more or less- with not much differences in proportion when looking at the overall picture

- If I were to enlarge the scale and only focus 0.2-0.8, the differences would appear to be more significant

I am leaning towards proposition 2 (visuals 2 and 4). This is because even though visual 3 makes it hard to spot the discrepancies between the amount of arrests between ethnicities, if someone were to look more into the plot they could see the difference in proportions between arrests vs. no arrests. This could lead to inferences that don't completely counter proposition 2. Proposition 1 visuals look like they are showing completely different results which was the goal. Also, the differences in visual 2 are really dramatic which I appreciate.