

csci444group5report

Molly, Trey, Peyton

12/2/2021

Molly Pitts

Molly Pitts Questions

Some of my displayed plots are out of order. Apologies, I could not correct it.

1. What were the most common felonies committed in the city of New York in the years 2000, 2010, and 2020?
 - The most common felonies committed in New York City by total amount and per capita were Grand Larceny in all three years. As seen in the graphs, Grand Larceny is far more common than other crimes. In New York City, Grand larceny involves the theft of property values at over \$1000. It also applies to theft of any firearm or vehicle, and can apply to extortion and blackmail. I imagine that Grand Larceny is one of the most commonly committed felonies in New York for reasons involving the wealth disparity and gun ownership in New York City, which Peyton and Trey discuss in this report.

Felonies Committed in NYC in 2000, 2010, and 2020

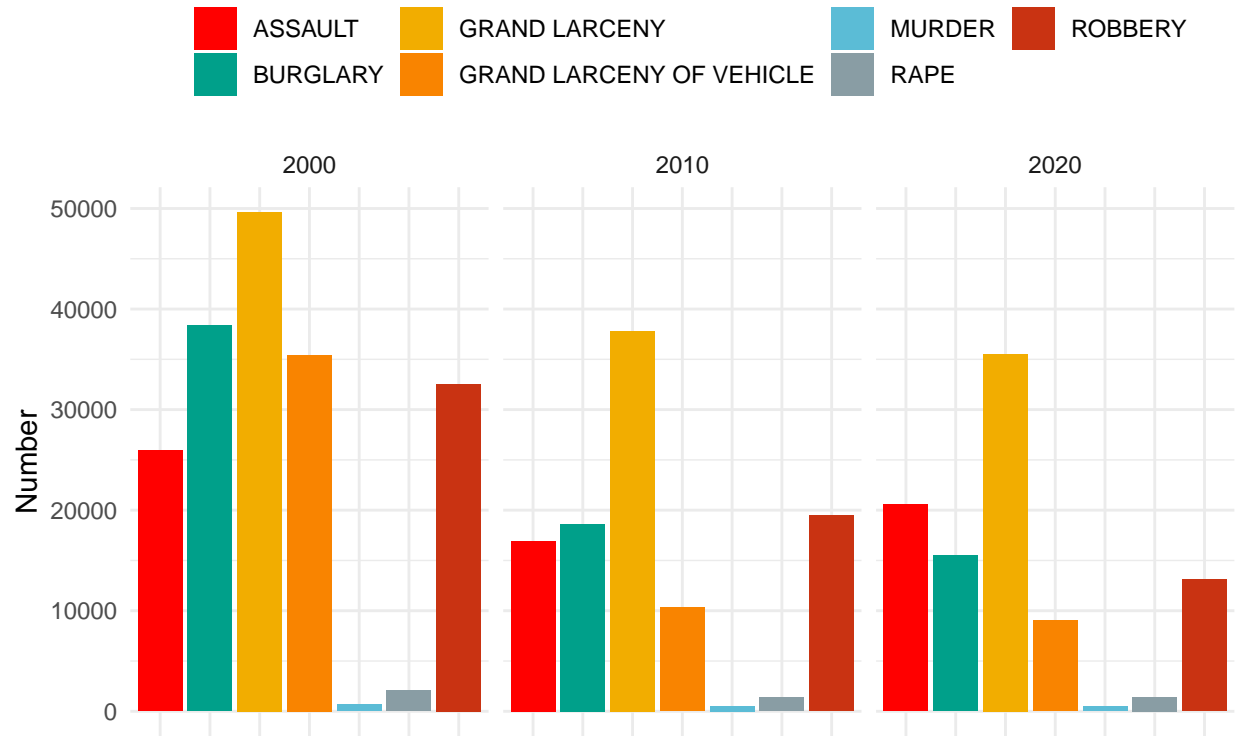
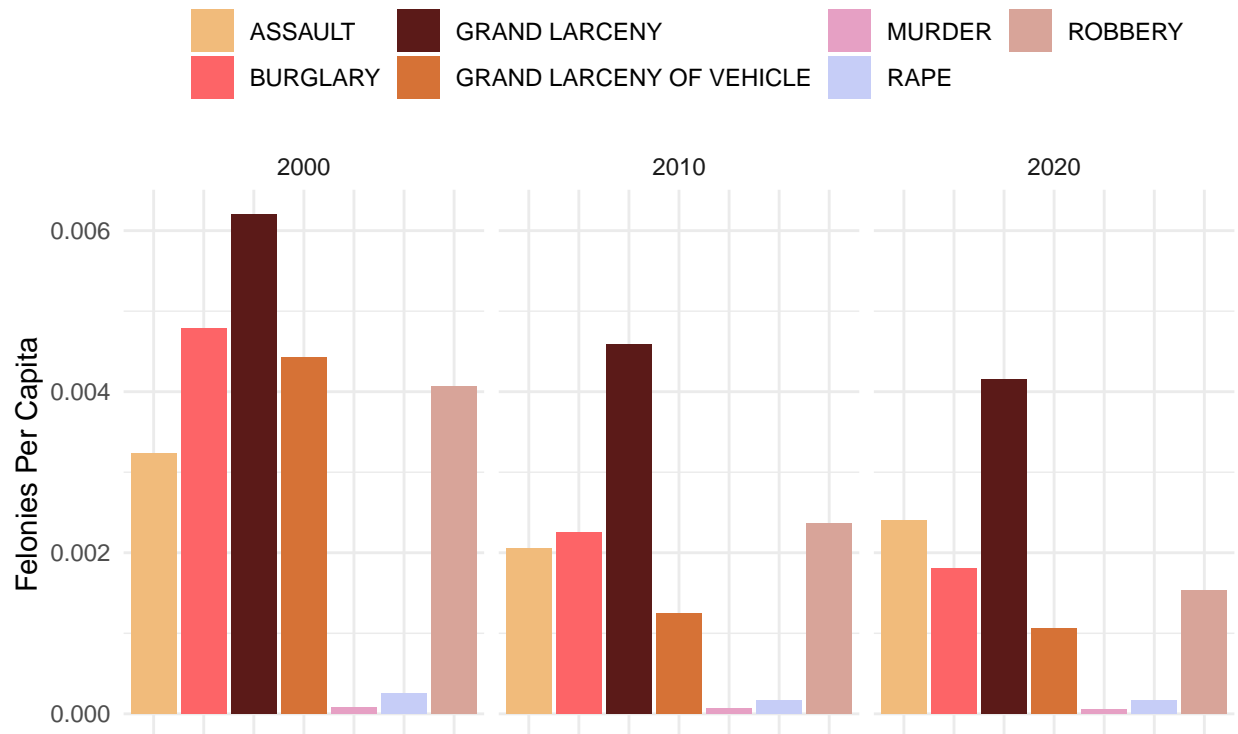


Table 1: Top felonies for each borough of NYC in 2000

Year	Borough	Most Common Felony	Total
2000	Manhattan	GRAND LARCENY	24452
2000	Bronx	BURGLARY	7440
2000	Brooklyn	BURGLARY	12415
2000	Queens	GRAND LARCENY OF VEHICLE	12614
2000	Staten Island	GRAND LARCENY OF VEHICLE	1409

Felonies Committed Per Capita in NYC in 2000, 2010, and 2020



2. What were the most common felonies committed in each borough of New York in 2000, 2010, and 2020? + The most common felonies committed in each borough are displayed in the tables below: In the year 2000 there were a variety of felonies being committed most often. As time goes on, the trends change. As seen across this report, as overall crime has decreased in New York, Grand Larceny has decreased the slowest, which has made it the most commonly committed felony in New York City today. I believe this has much to do with the fact that the definition of Grand Larceny is quite broad. I also imagine that as time goes on, criminals who need cash are more likely to risk stealing things of high value, which would qualify as Grand Larceny.

3. How have felony rates changed over the past two decades? + Overall crime in New York has decreased. In 2019, burglary and grand larceny of vehicles increased, while general grand larceny decreased. Also, there was a period of time around 2010 where grand larceny had decreased significantly. Overall, however, Grand Larceny has become the most commonly committed crime in New York City. Overall crime and felony numbers have fallen due to increased police presence, stricter legal definitions, and stronger repercussions for crimes.

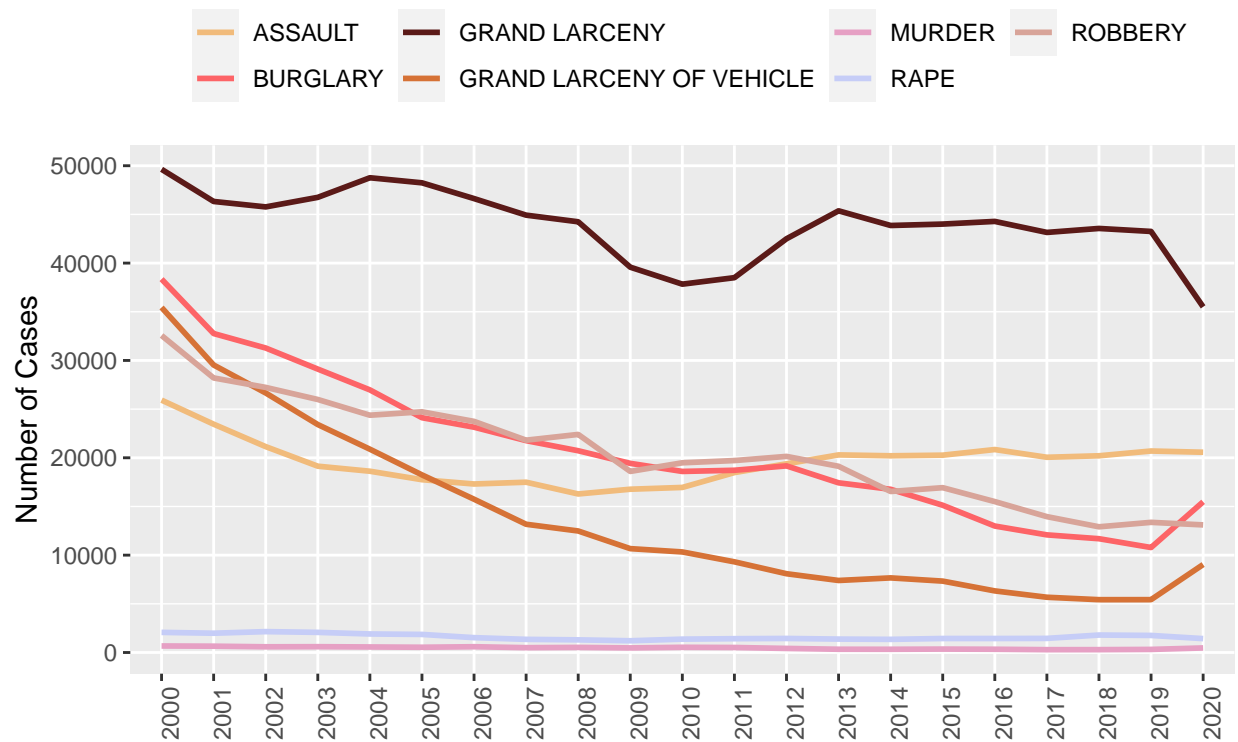
Table 2: Top felonies for each borough of NYC in 2010

Year	Borough	Most Common Felony	Total
2010	Manhattan	GRAND LARCENY	15458
2010	Bronx	GRAND LARCENY	4682
2010	Brooklyn	GRAND LARCENY	9476
2010	Queens	GRAND LARCENY	7246
2010	Staten Island	GRAND LARCENY	973

Table 3: Top felonies for each borough of NYC in 2020

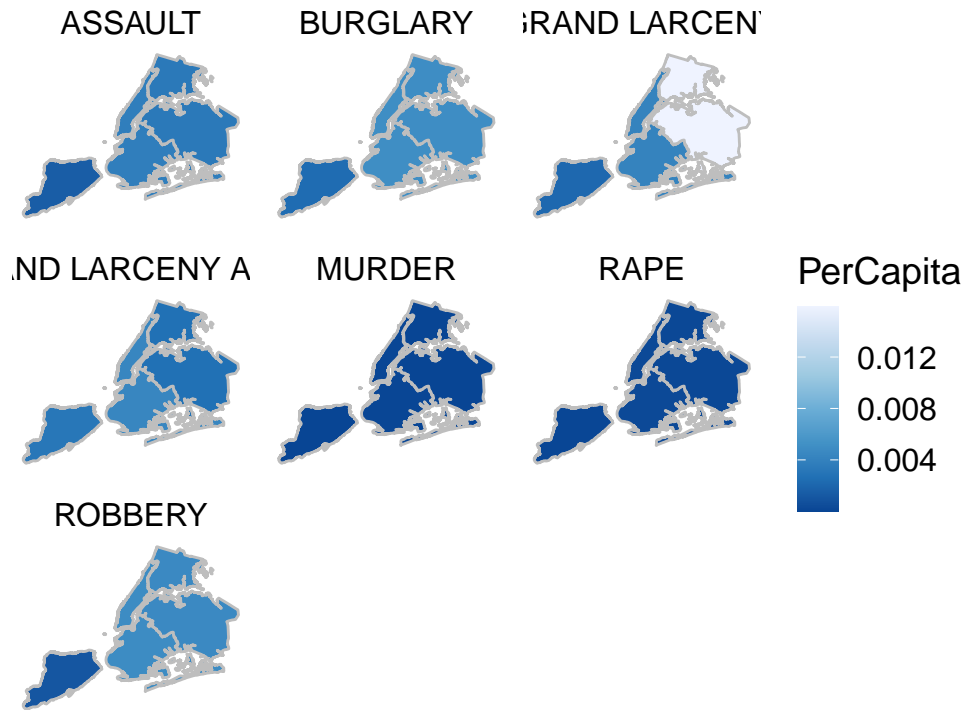
Year	Borough	Most Common Felony	Total
2020	Manhattan	GRAND LARCENY	11861
2020	Bronx	GRAND LARCENY	6095
2020	Brooklyn	GRAND LARCENY	8816
2020	Queens	GRAND LARCENY	7754
2020	Staten Island	GRAND LARCENY	977

Number of Felonies Committed Over The Past Twenty Years in NYC



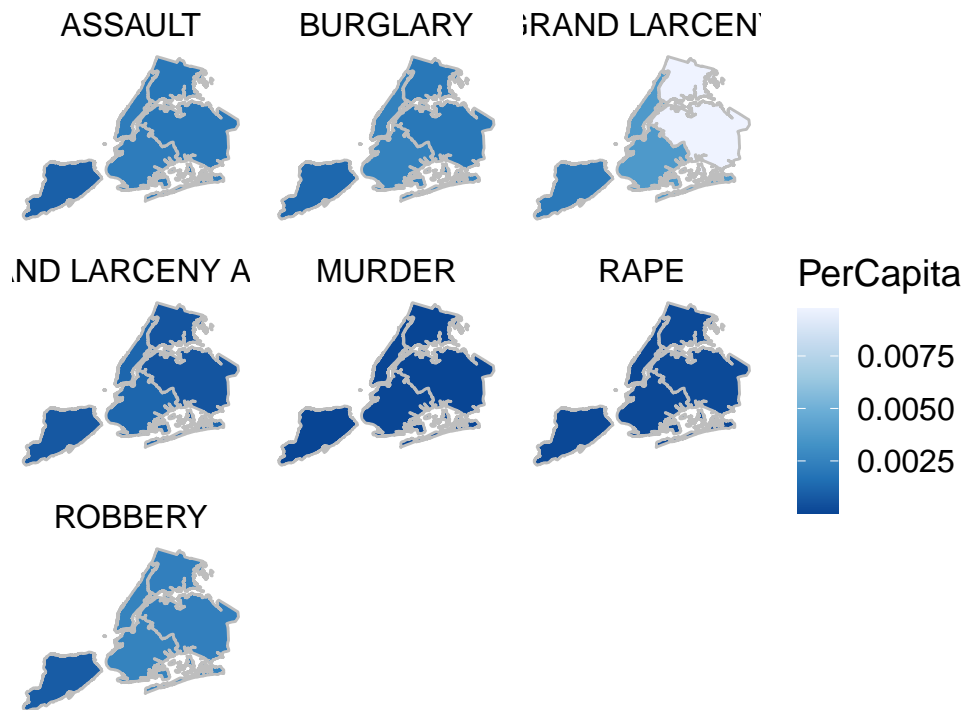
Total Felonies Per Capita Committed in Each Borough

in 2000

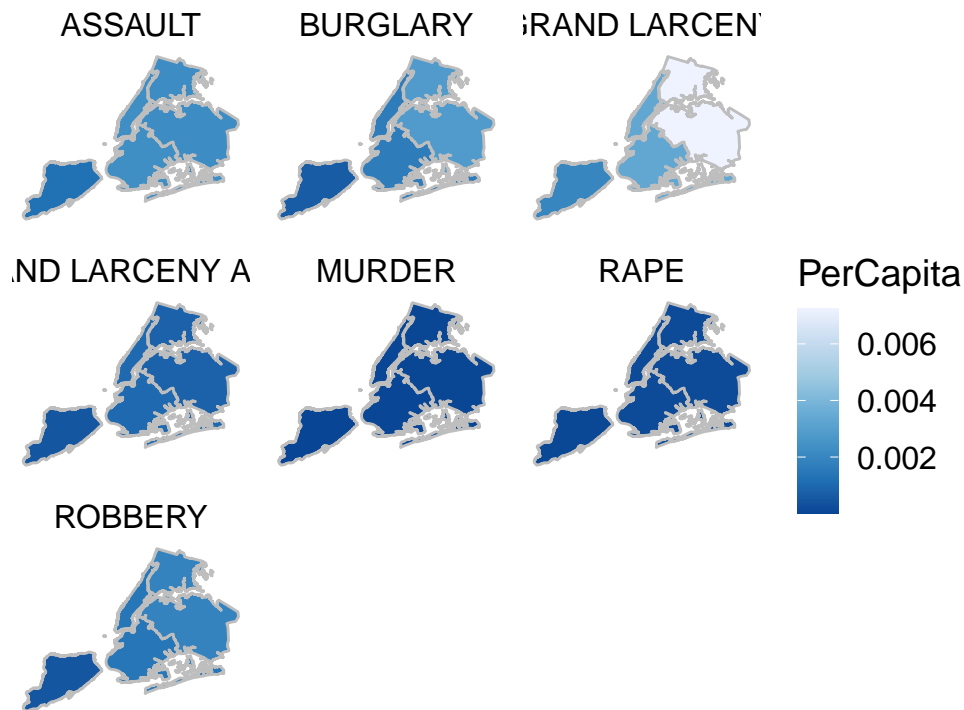


Total Felonies Per Capita Committed in Each Borough

in 2010



Total Felonies Per Capita Committed in Each Borough in 2020



Peyton Posey

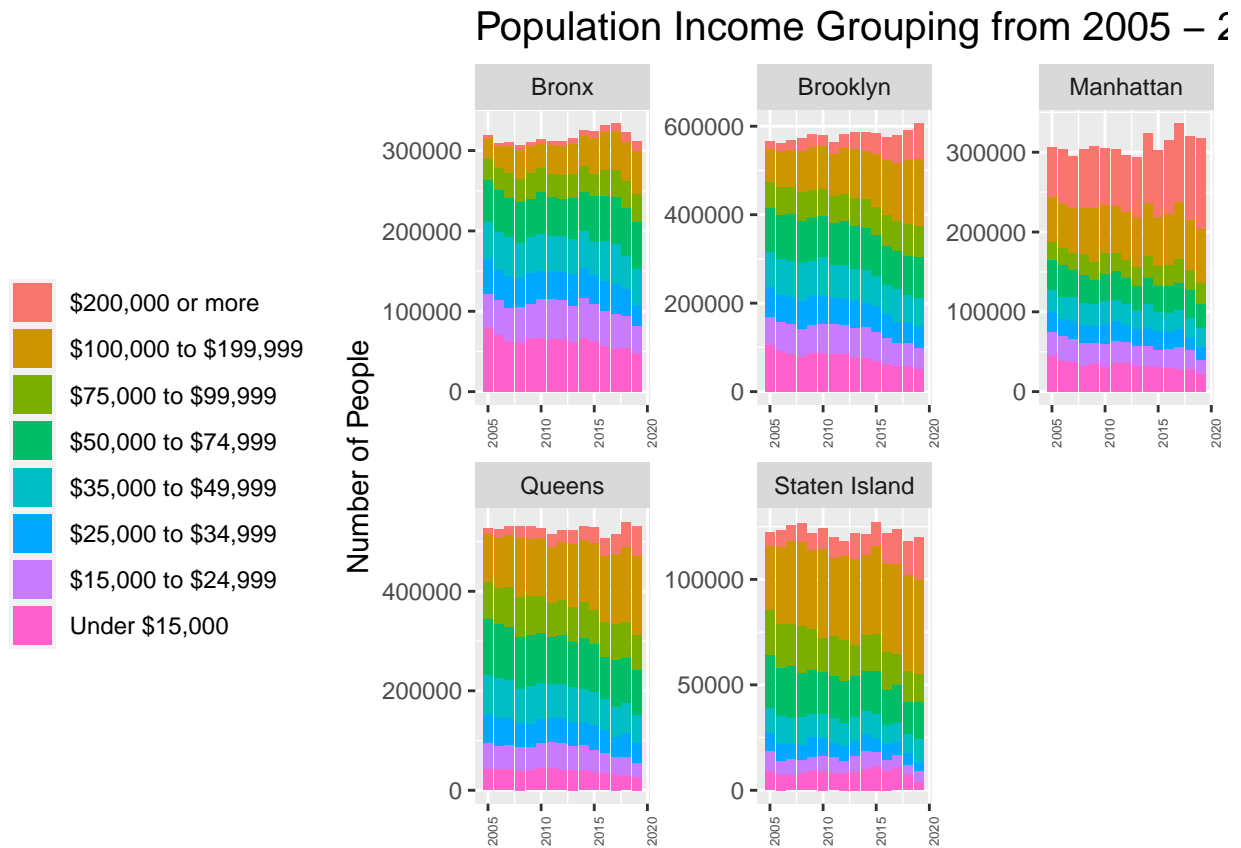
Peyton Posey Questions

1. What boroughs within NY have the highest/lowest household income? Manhattan anchored by Wall Street shows as one of the world's premiere financial centers. As well as housing the NASDAQ and NYSE stock exchanges. This shows in their wealth.
Brooklyn, Staten Island, and Queens almost have a bell curve minus a high amount of 100K-199K income levels
Bronx has an intensely disproportionate income levels versus the rest of the boroughs and was continuously ranked last among the boroughs.
2. In what ways have the household income levels improved or worsened over the past 15 years? Bronx: Has steadily remained the borough with the highest population of poor families, with a small decline the last few years.
Brooklyn: Has "improved" as throughout the years more people with >100K have populated the area.
Manhattan: Throughout the years it's become populated with more wealth as anything below 100K income slowly fades.
Staten Island: Remains about half rich as of today, with the poorer steadily decreasing.
3. Is there a correlation between low income districts and crime rates? Manhattan had the largest decline in felonies over the years
Staten Island has kept a low rate of felonies over its years even despite its smaller population

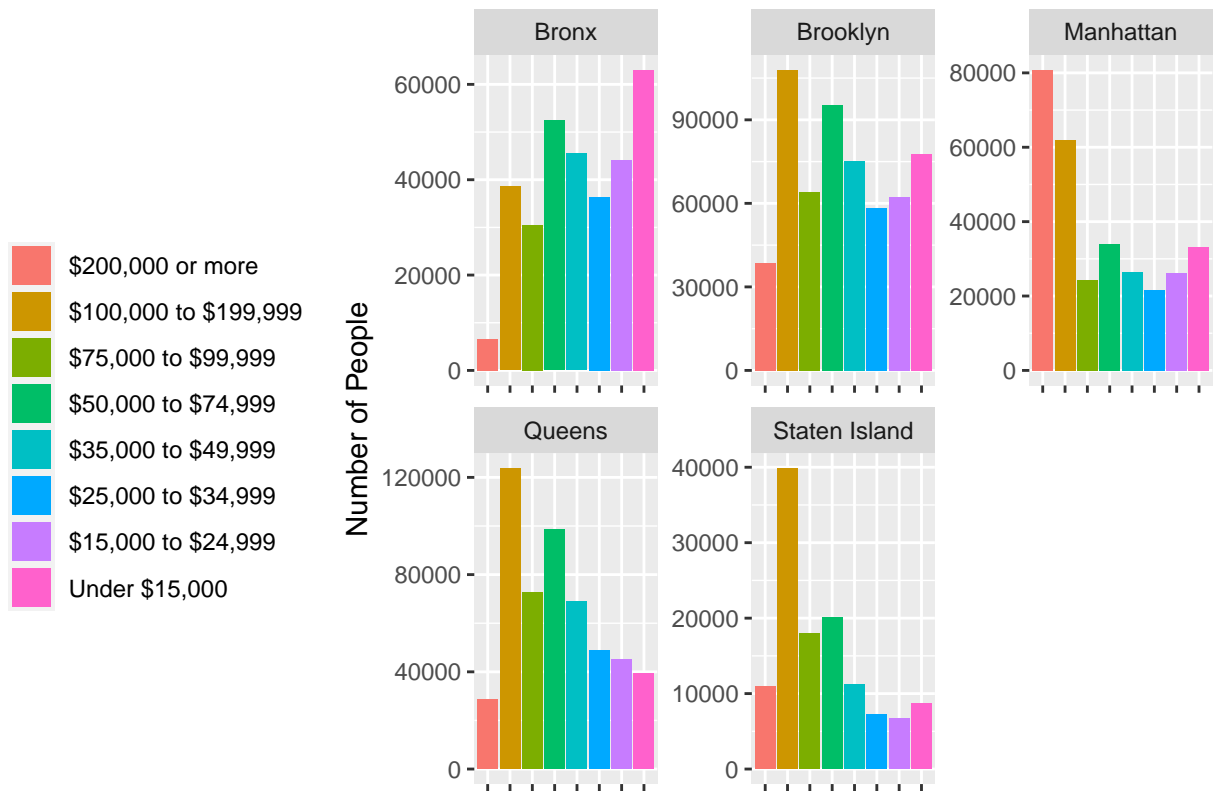
I believe in Manhattan you are more likely to be charged with a felony because more people can afford to take you to court.

Brooklyn has the most felonies among the more sizeable populations

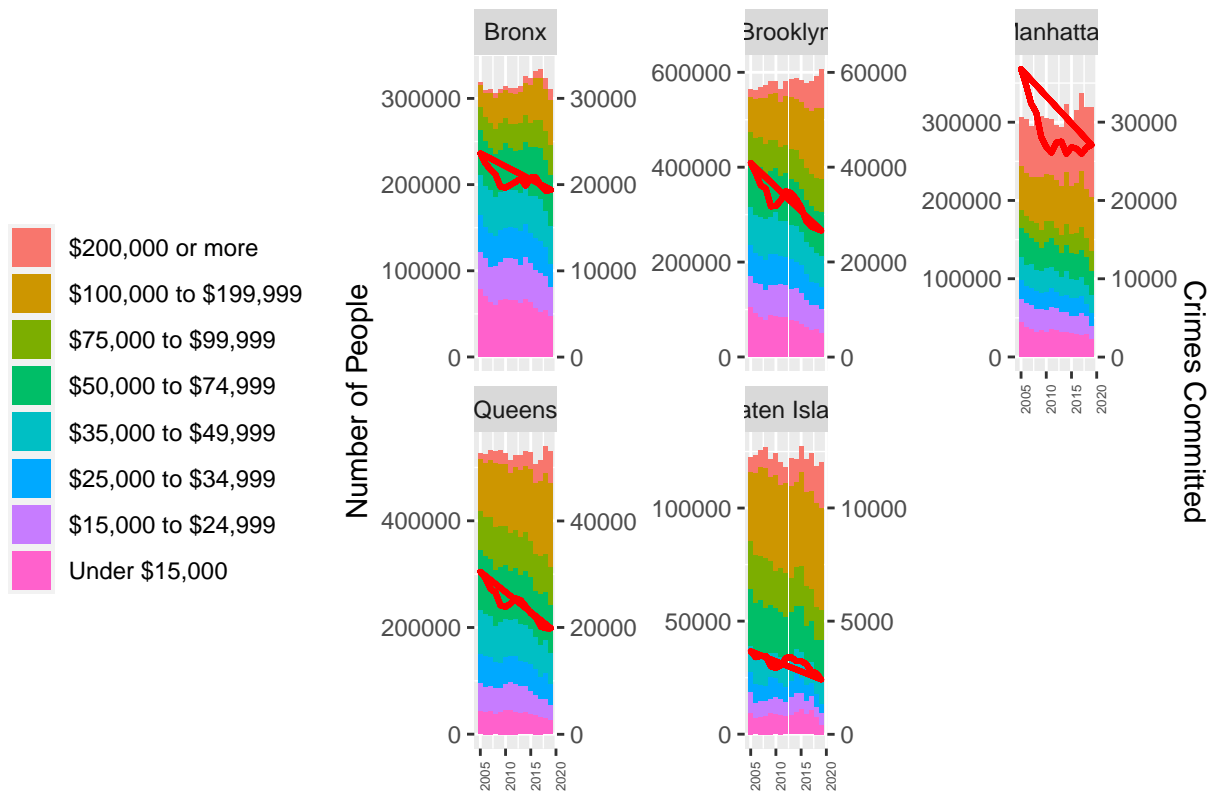
Bronx has only slightly decreased in felonies



Population Income Grouping Average



Population Income Vs Crimes Committed t



Trey Keenum

#Census data

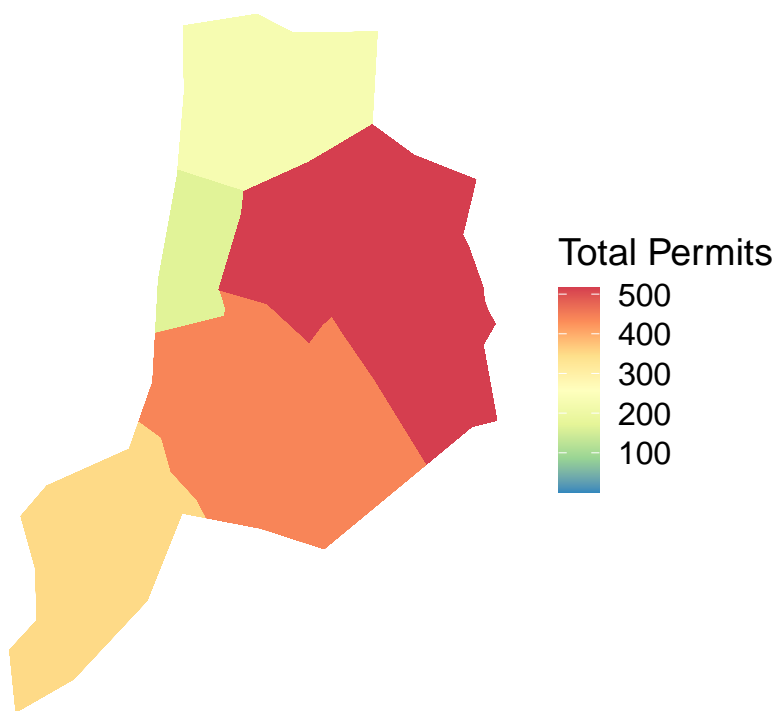
Borough population



#Temporary map (only reports population in borough)

#handgun permit (borough) data

Borough handgun Permits



#gun ownership (state) data

```
## # A tibble: 50 x 2
##   State      'Total Guns'
##   <chr>      <dbl>
## 1 Texas      588696
## 2 California 344622
## 3 Florida    343288
## 4 Virginia   307822
## 5 Pennsylvania 236377
## 6 Georgia    190050
## 7 Arizona    179738
## 8 Ohio       173405
## 9 Alabama    161641
## 10 North Carolina 152238
## # ... with 40 more rows
```

Gun ownership total by State

