# New York City Crime Analysis

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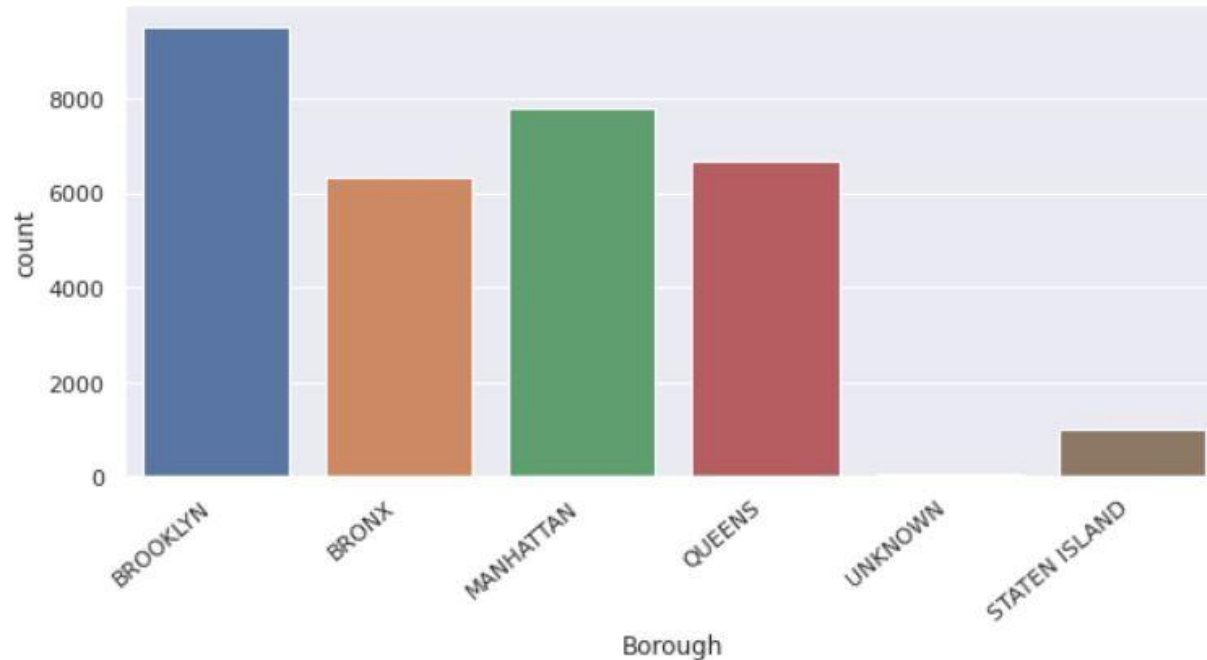# Importance of Crime Analysis / Prediction

- Law Enforcement agencies are really interested / encourage any crime analyzing / prediction made by the public which will be helpful in their war against crime in the city.

- Venues - Crimes analysis can help people who want to go out to visit "safe" venues (we will discuss the criteria of safety later).
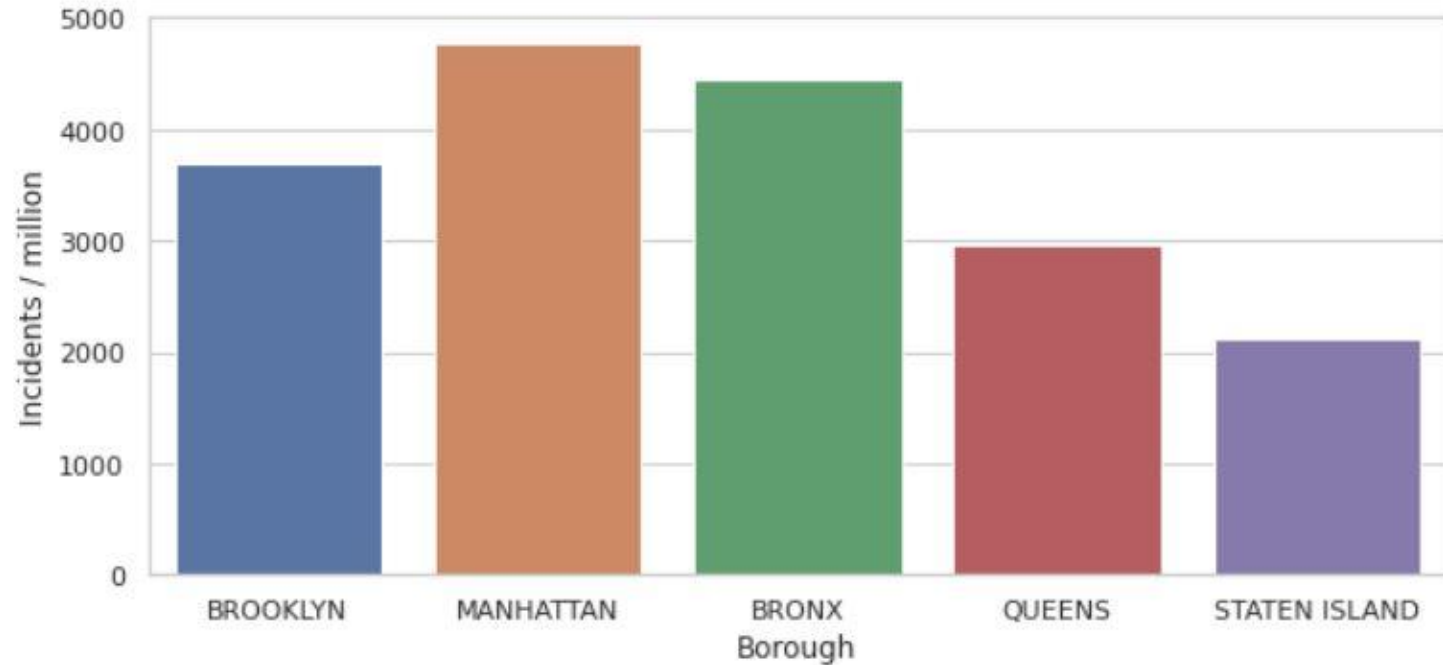
# Data acquisition and cleaning

- **New York City official Incidents Data** from [NYPD Complaint Data Current (Year To Date)](#)

- **New York City Population Data** from [NYC Population by Borough](#)

- **New York City Census Data** from [NYC Census Data](#)

- **Foursquare API Data** from [Foursquare API](#)

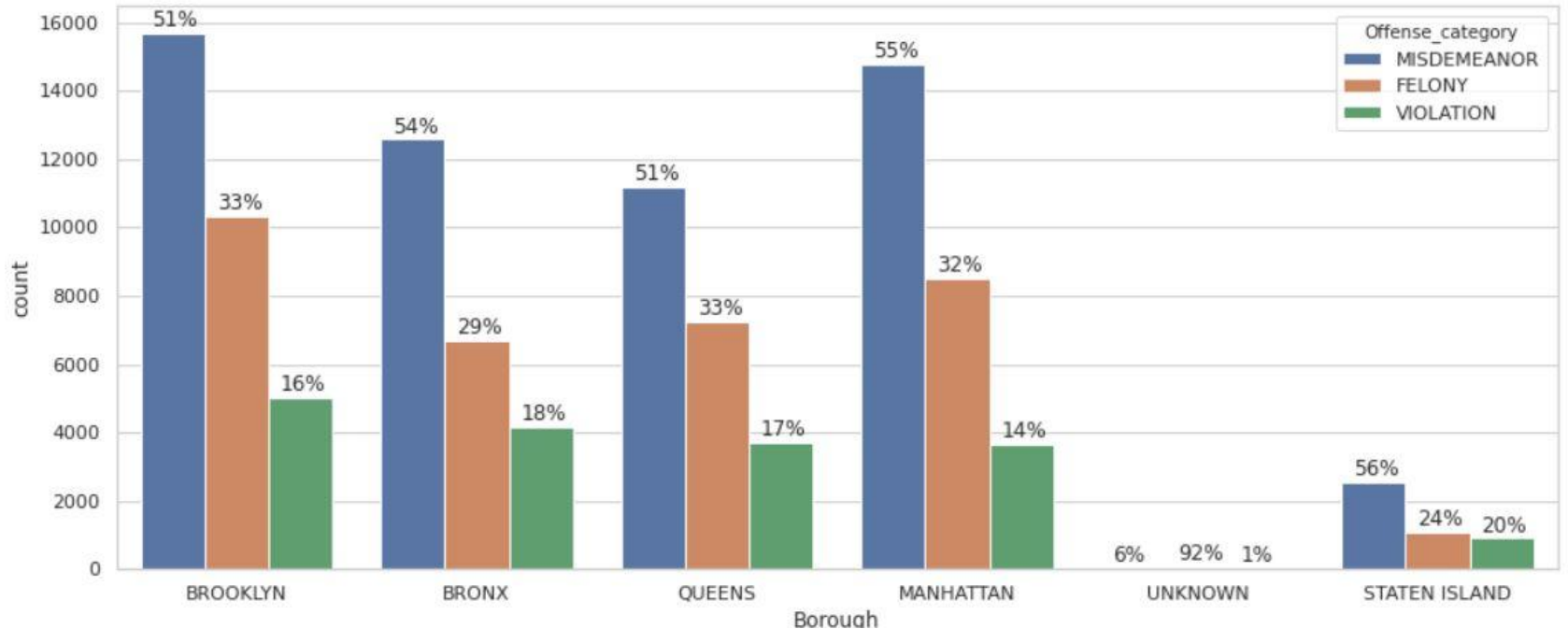# Manhattan with the highest crimes count and Staten Island have the lowest
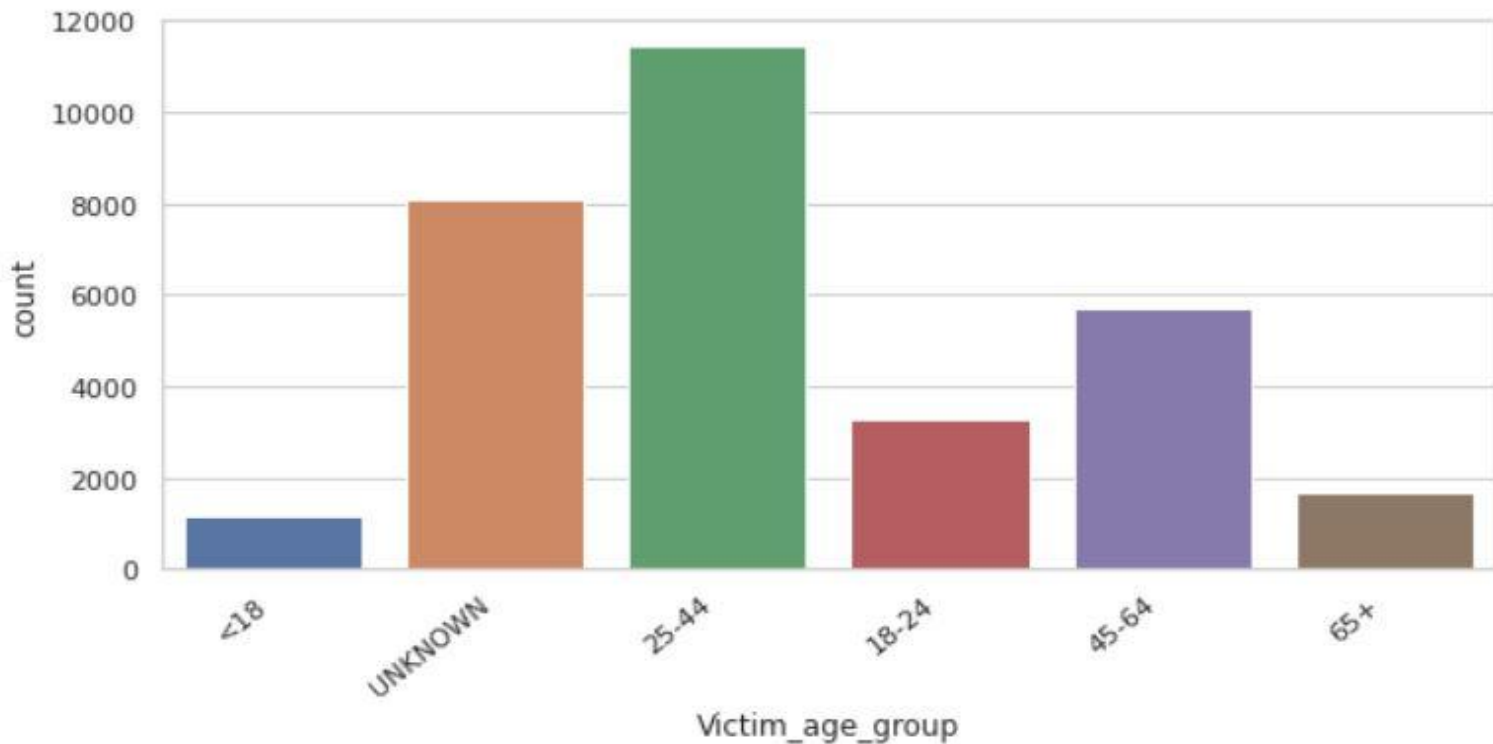
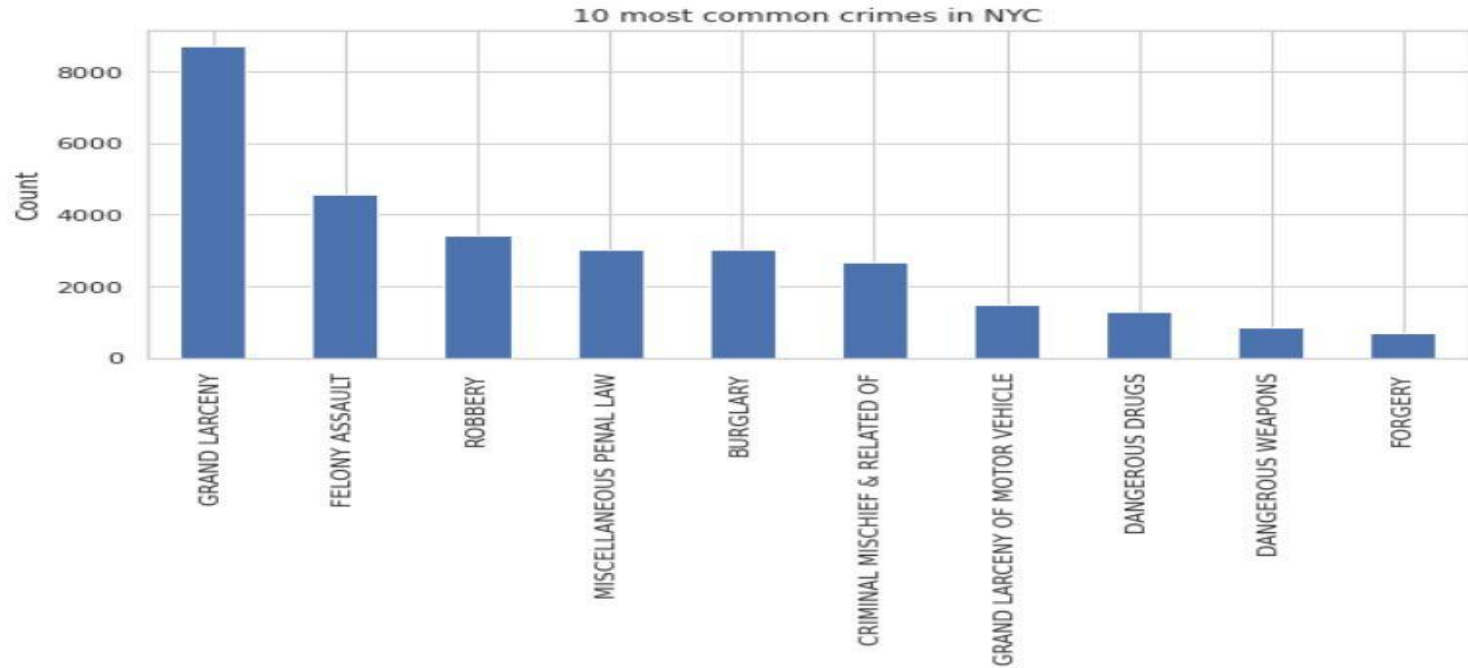# Manhattan and Bronx tops the Incidents / Million rate

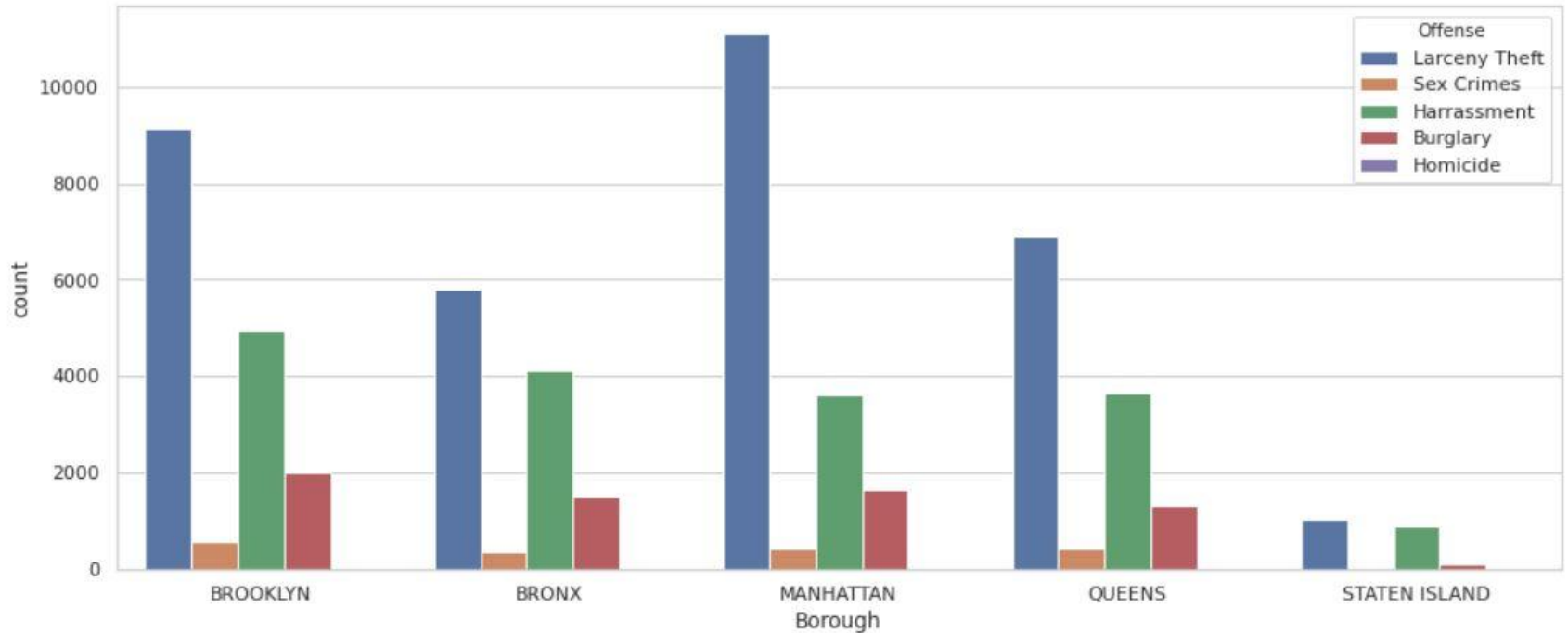# Brooklyn with the highest Felonies count and Staten Island have the lowest

# Nearly a Third of the victims are between
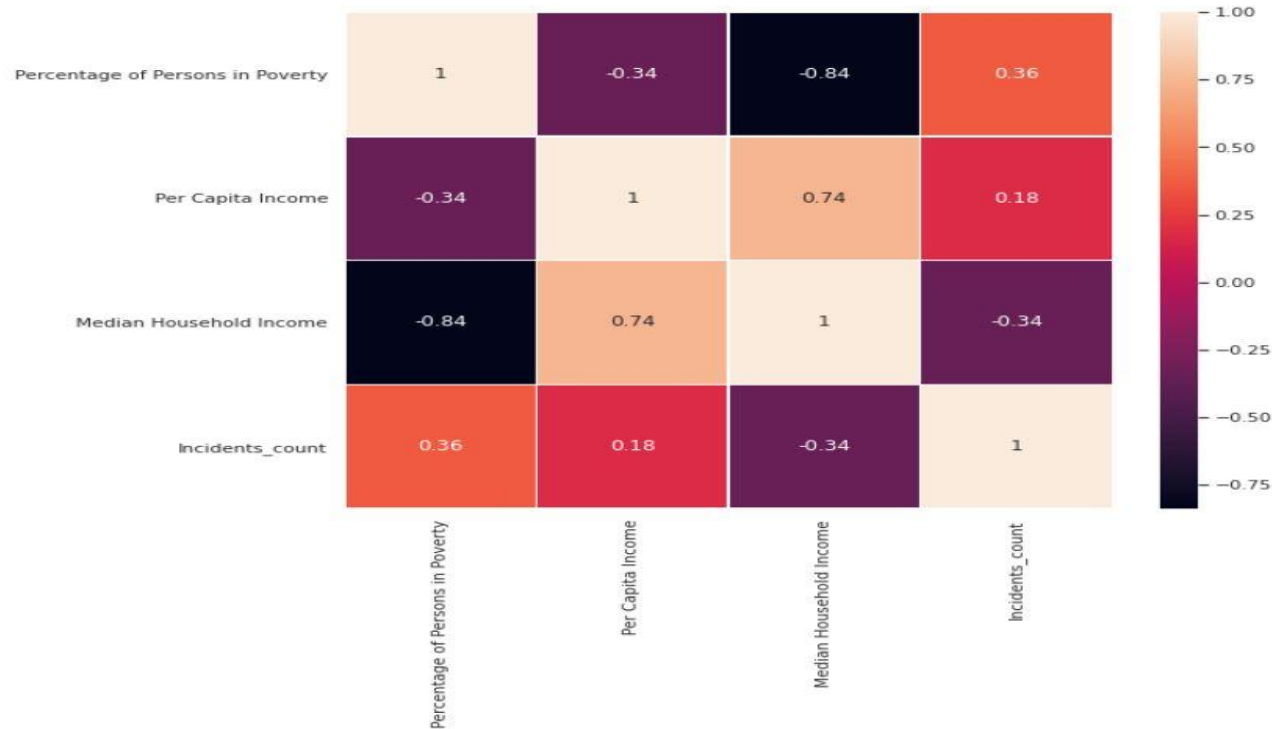
# Grand Larceny is the most frequent incident



10 most common crimes in NYC
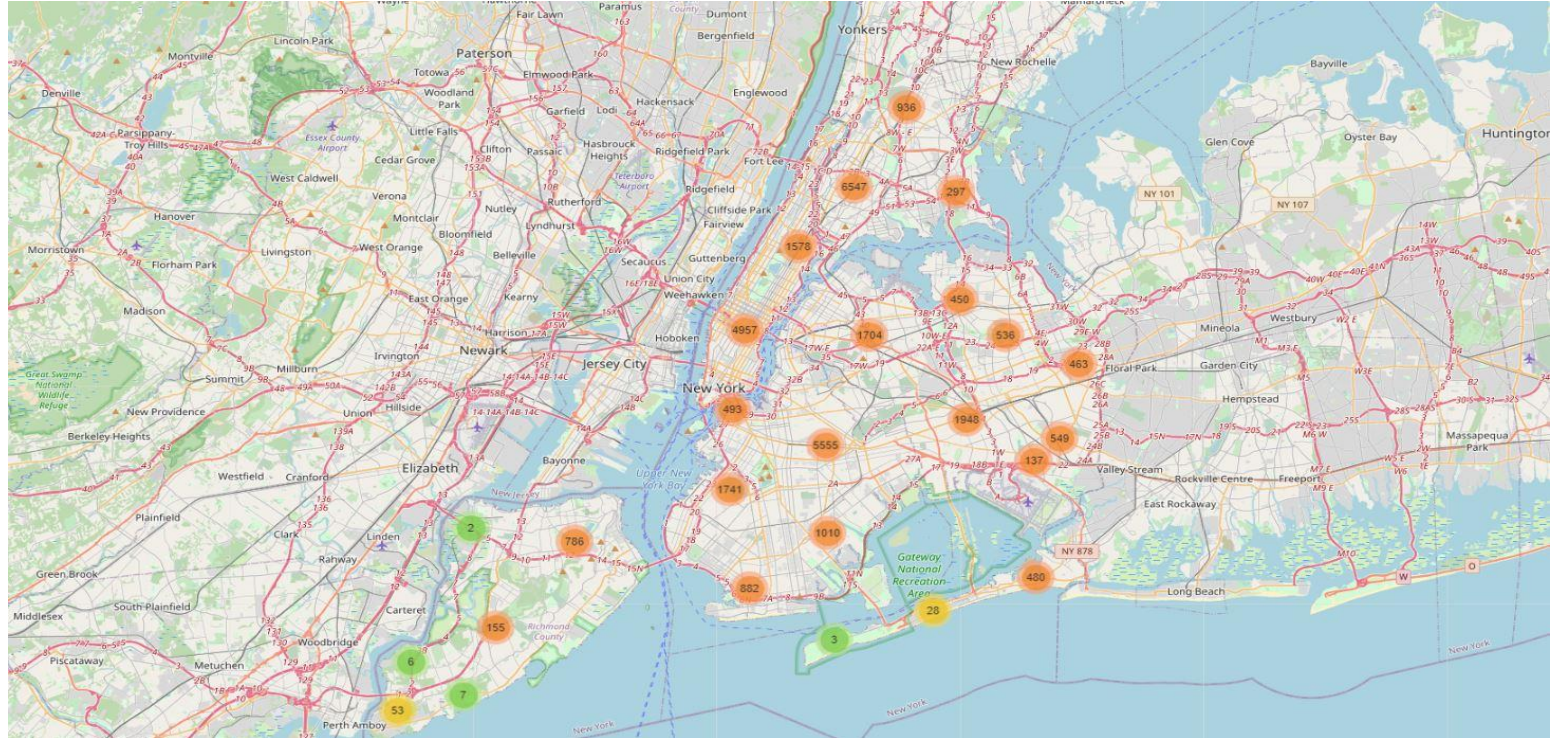
# Common crimes by Borough

# Positive Correlation between Poverty and Crime rate
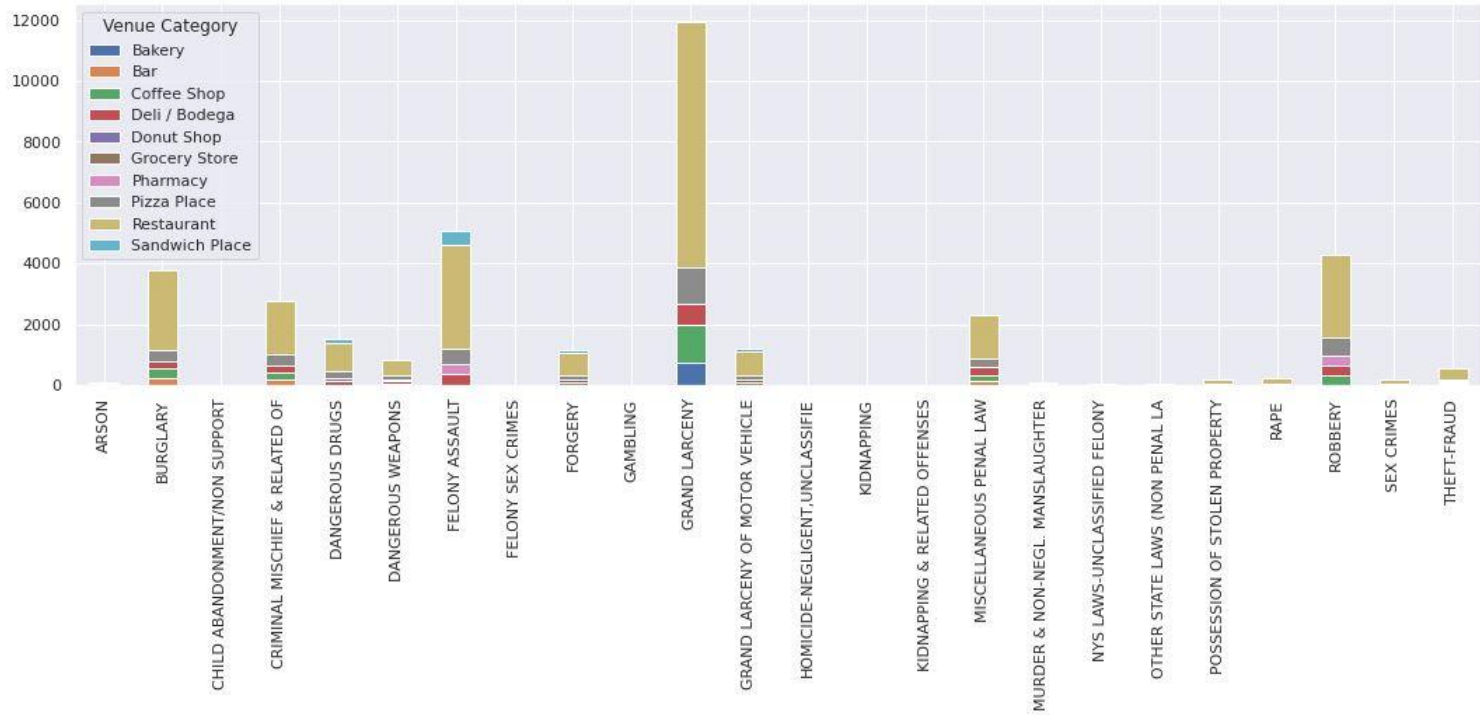
# High density of crimes in Manhattan and Brooklyn

# Many Crime clusters in Manhattan / Brooklyn, fewer in Staten Island

# Most of the venues are safe except of some with many crimes nearby



Venue:Golden China
Incidents 223

# Most common Offenses / Venue Category:

# Conclusions

- From the exploratory analysis and statistical approaches, I can say that different boroughs do have significant differences in terms of crime level and crime type with each other.

- Most of the venues in NYC are safe, except some that have a very high of incidents happening in their surroundings.

- Confirming the obvious, poverty is the essence of crime !

- Common assumptions on the safety of some Boroughs (Bronx) are, surprisingly, not validated by the data.

- Due to the extreme diversity (entropy) of NYC and the big spread of venues all over the city, we can't strongly relate some types of crimes to some specific venues.