Crime Situation and Distribution of Police Station in NYC

Capston Project

Which borough is safer?

According to NYC & Company, 62.8 million tourists have visited New York City, and the number of visitors is increasing.

However, about five hundred thousand of crimes is occurring, and it is a threat not only to New Yorkers but also to visitors.

Let's explore NYC to find which borough need to increase public security.

City officials and potential visitors have interest

Data on was obtained by scraping from NYC government website(here).

Data soueces and acquisition

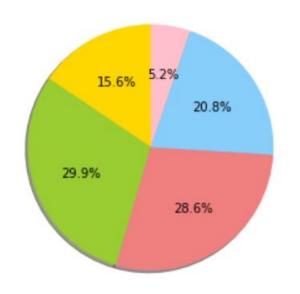
Crime data can be found in Kaggle datasets (here).

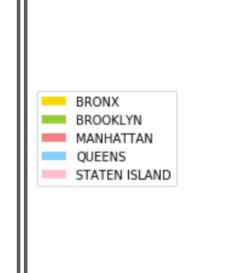
For time-saving purpose, we will use only 100,000 rows for this project.

Data exploration

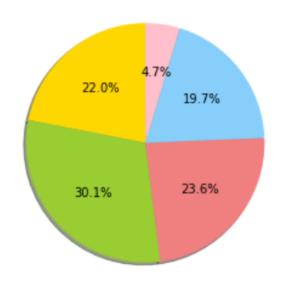
Bronx is not that safe compared to its proportion of police stations.





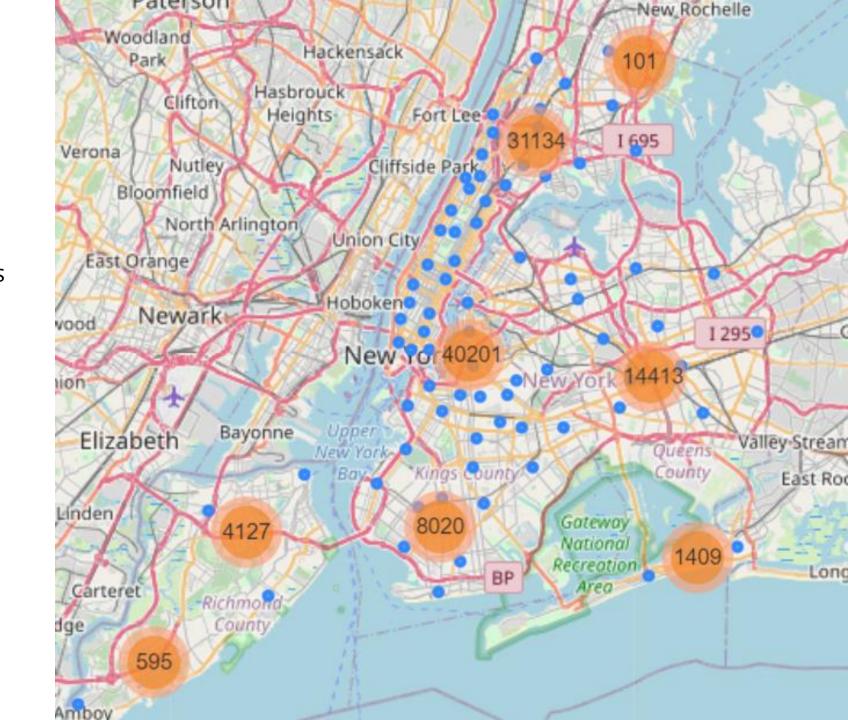


The Number of Crimes Occured by Borough



Visualization with Map

- The majority of crime happens in Manhattan and Brooklyn, where more than half of police stations are.
- 4722 crime cases out of 100000, which is less then 5 percent, happened in Staten Island.



Results and Conclusion



Bronx has less police stations than other boroughs in comparison with crime cases happened in the borough.



Although most crimes happen in Manhattan and Brooklyn, they have enough facilities for public security.



we can provide an idea that Bronx needs more police station with city officials and administrators in NY



Tourists planning to visit NY city can figure out which spot is relatively safer.