



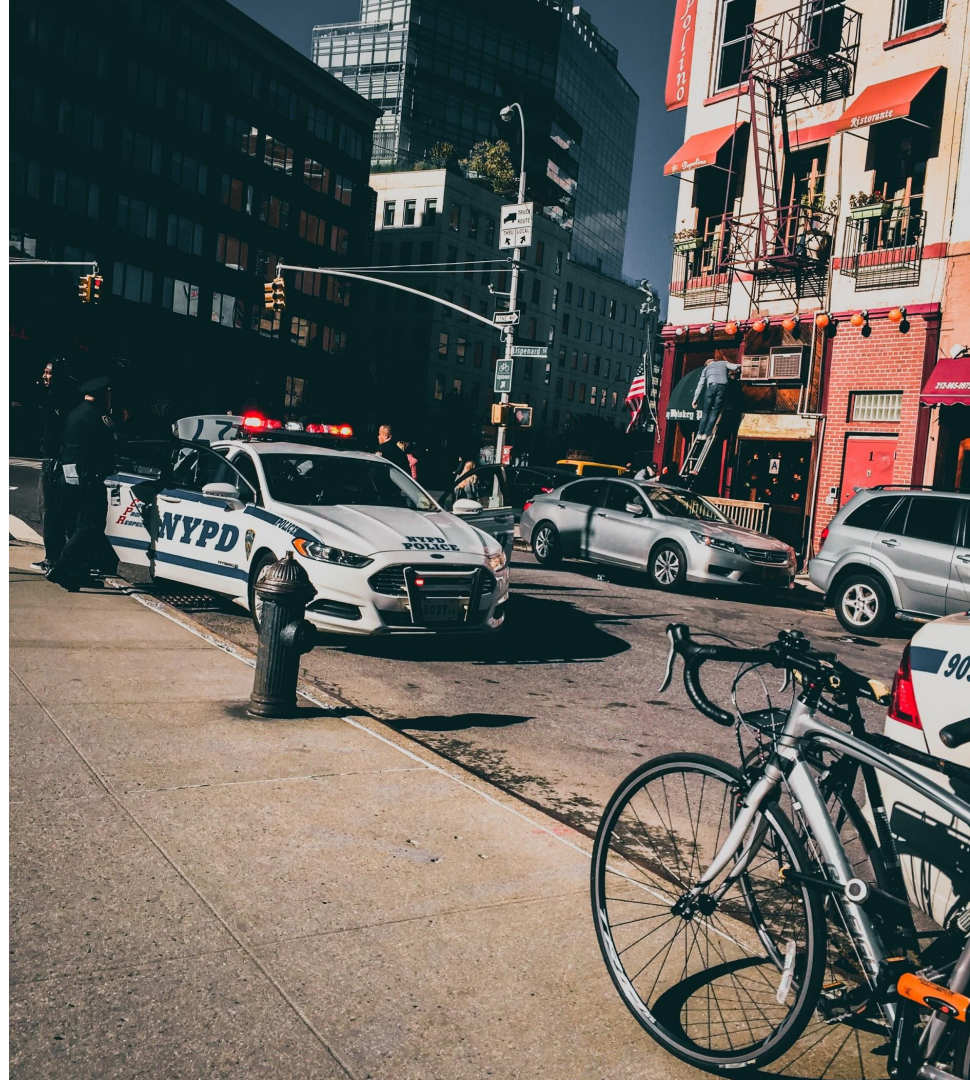
The Data Behind New City Arrests

Anesu Masube and Stephen Williams

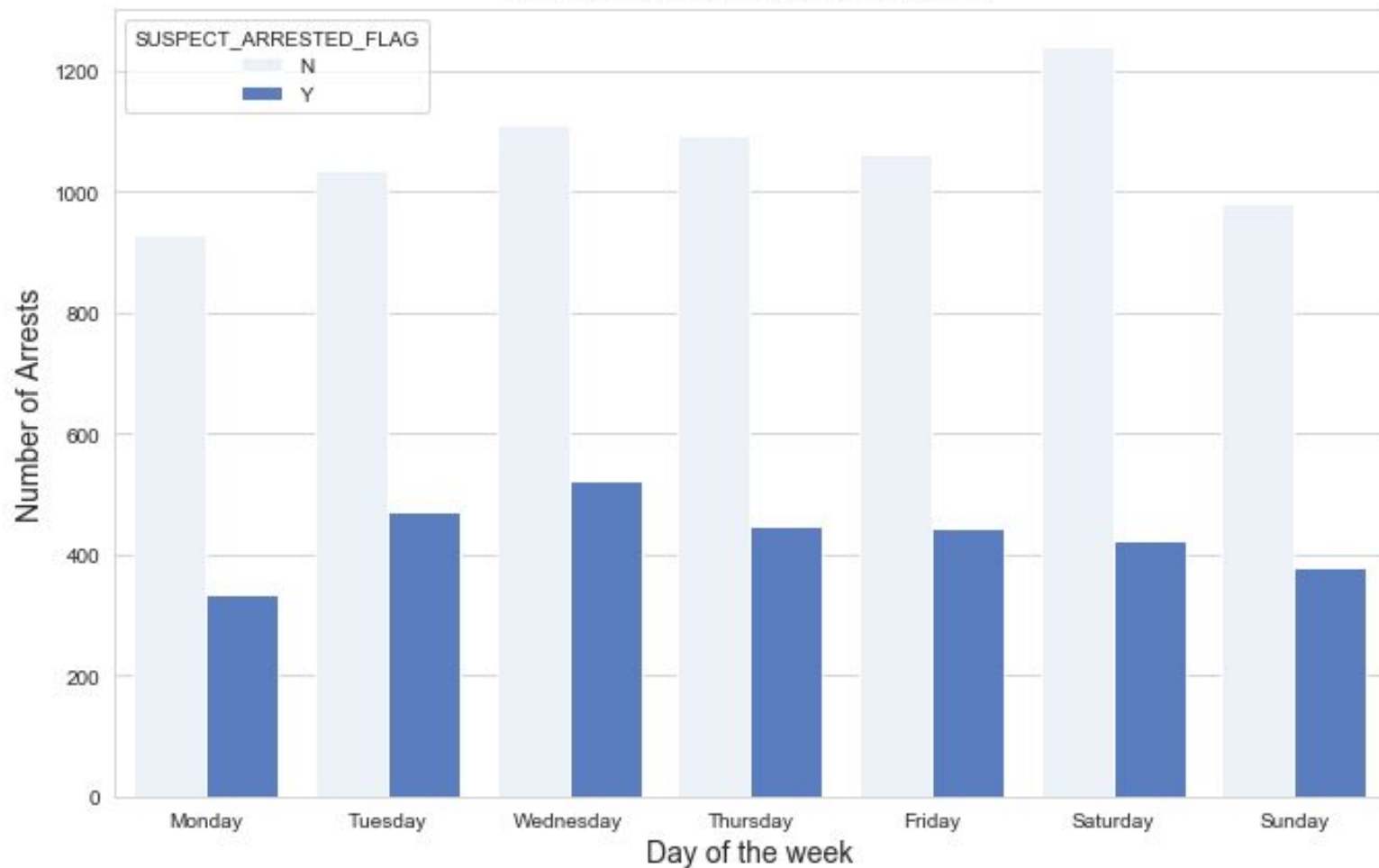
Problem Statement

Can Data help to explain and predict arrests in New York City?

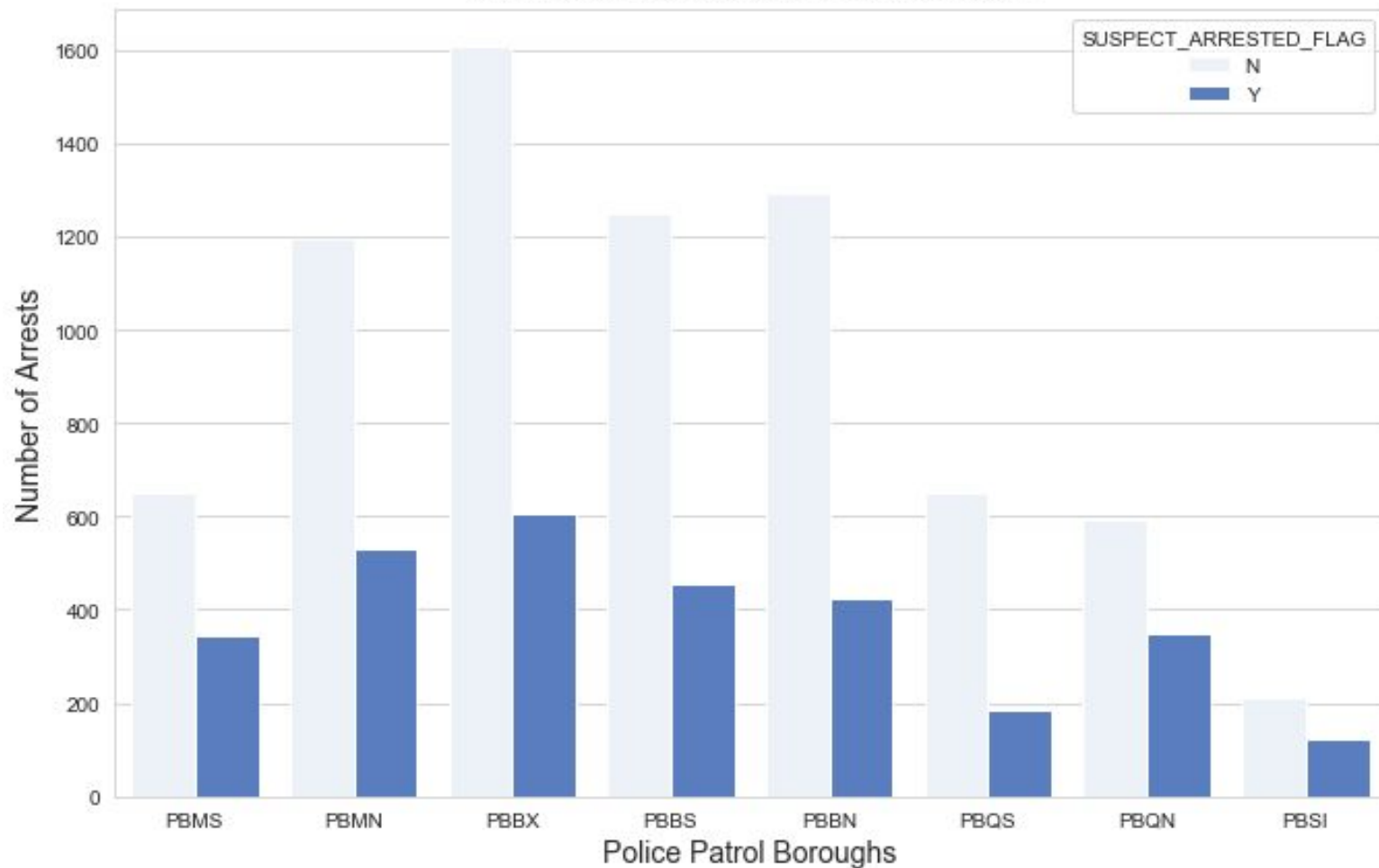
DATA SOURCE: 2018, NYPD STOP & FRISK DATA



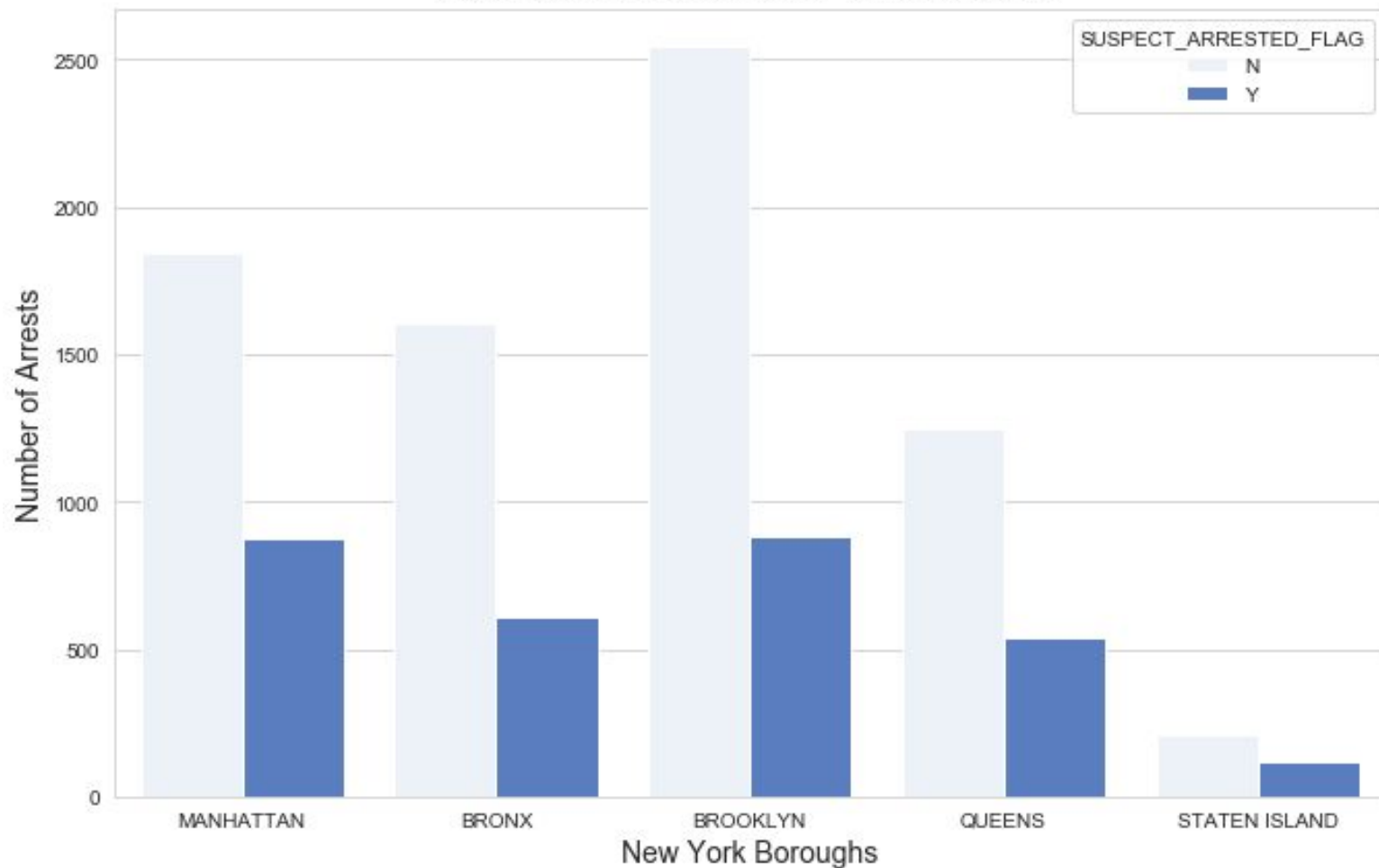
Arrest comparison by Weekdays



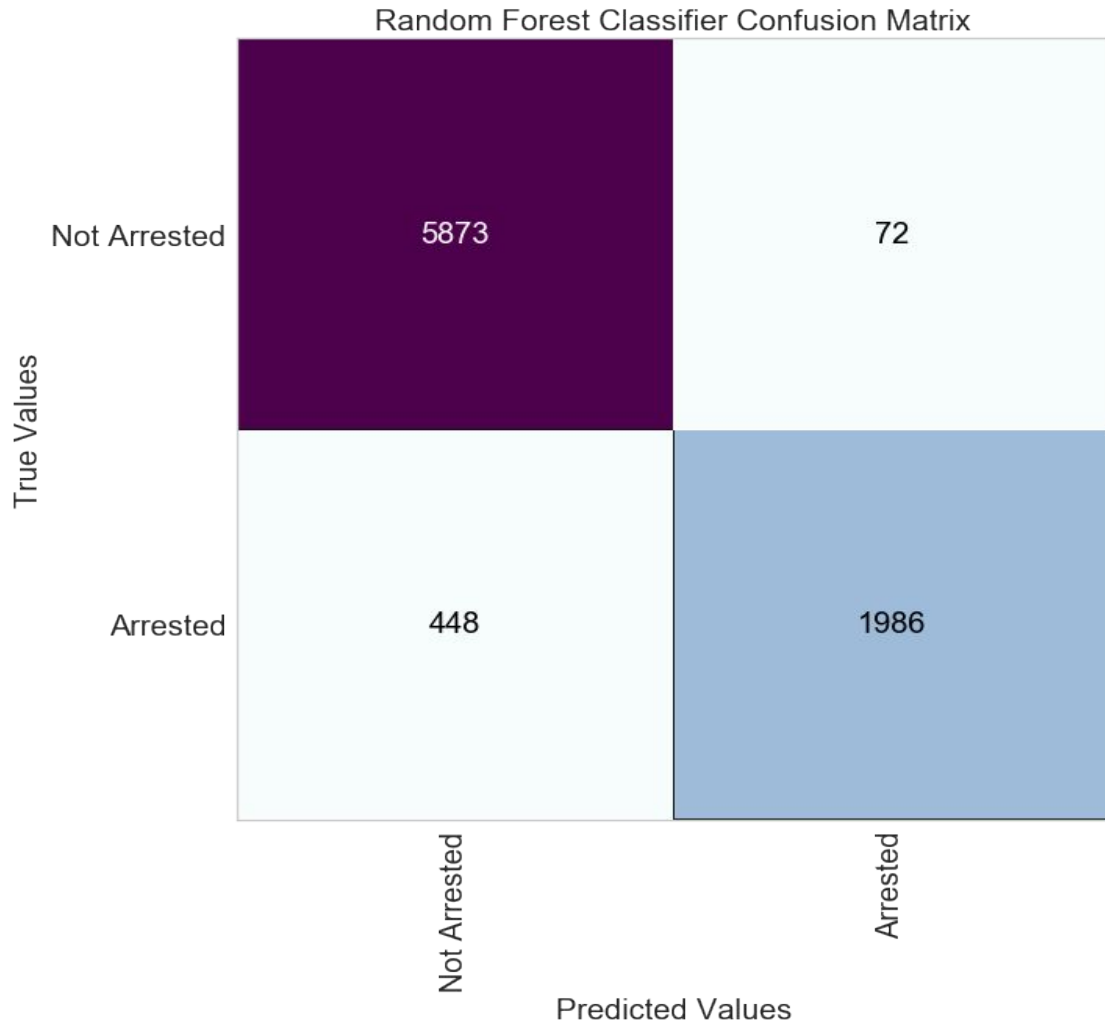
Arrest comparison by Patrol Boroughs



Arrest comparison by New York Boroughs



Model Results



Conclusions

1. **Searches can lead to arrests**
2. **Avoid carrying weapons**
3. **While most stops happen in Brooklyn, evenings are peak arrest times**

Further Exploration

1. **These results are contingent upon the dataset and methods employed. Recommend additional features such as time and income.**
2. **With time, we seek to try additional models**
3. **Get balanced data from judiciary system and civil society**

Questions ????

