

Tejas Hosangadi
Data 512A
Fall 2018

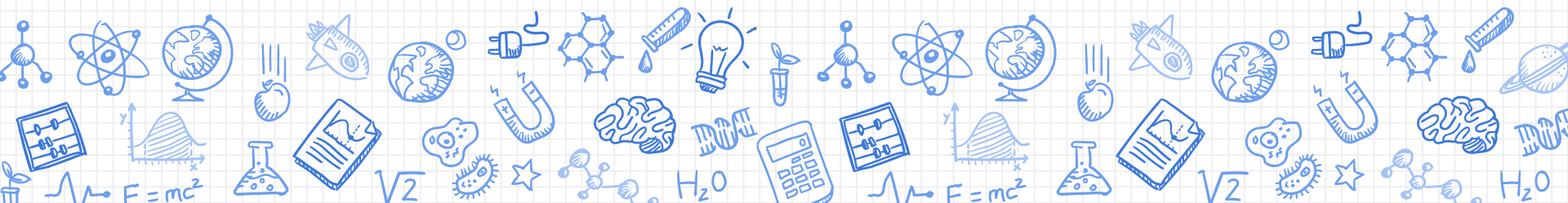
Analysis of Reported Crime in New York City



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Use Case

Who is my intended user?

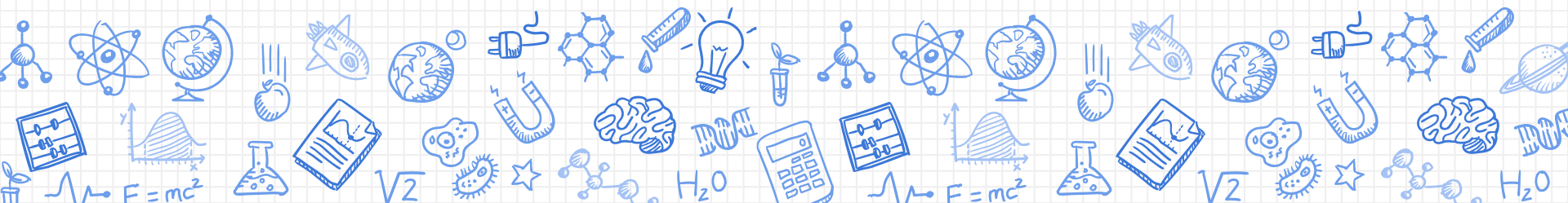


People of NYC. It's intended to help people better understand the number and types of crime and hopefully, be more aware.

Data

“It’s difficult to imagine the power that you’re going to have when so many different sorts of data are available.”

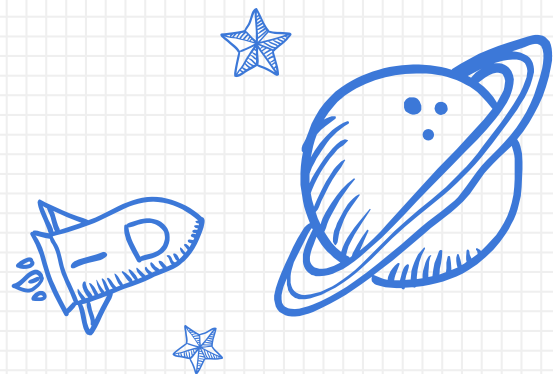
- Tim Berners-Lee



Data

- ✗ Retrieved from the New York City Open Data Project.
- ✗ Reported crimes from 2006 through 2017.
- ✗ LARGE!! (6 gigabytes).
- ✗ Quite clean.
- ✗ Minimal processing. Did rebucket though.





Research

“If we have data, let’s look at data. If all we have are opinions,
let’s go with mine.”

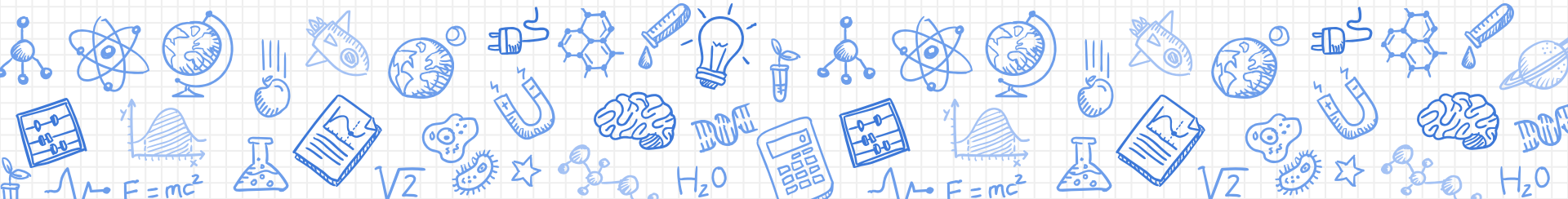
– Jim Barksdale, Former Netscape CEO



Overall decrease in number of crimes reported from 2006 to 2017. Staten Island witnessed the largest percentage fall in crime.

Research Question 3

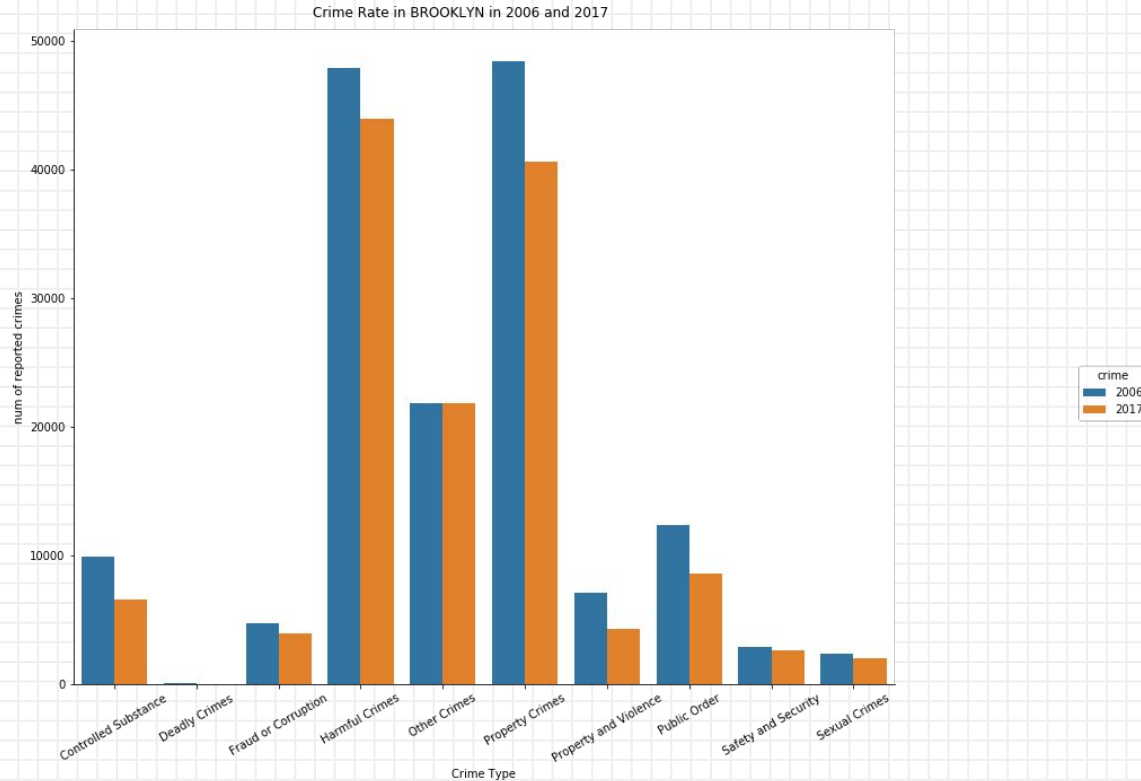
Taking into consideration the actual offense, how does the number look like when 2006 and 2017 are compared? How are the numbers when they are compared for the overall city and when they are split up according to the boroughs?



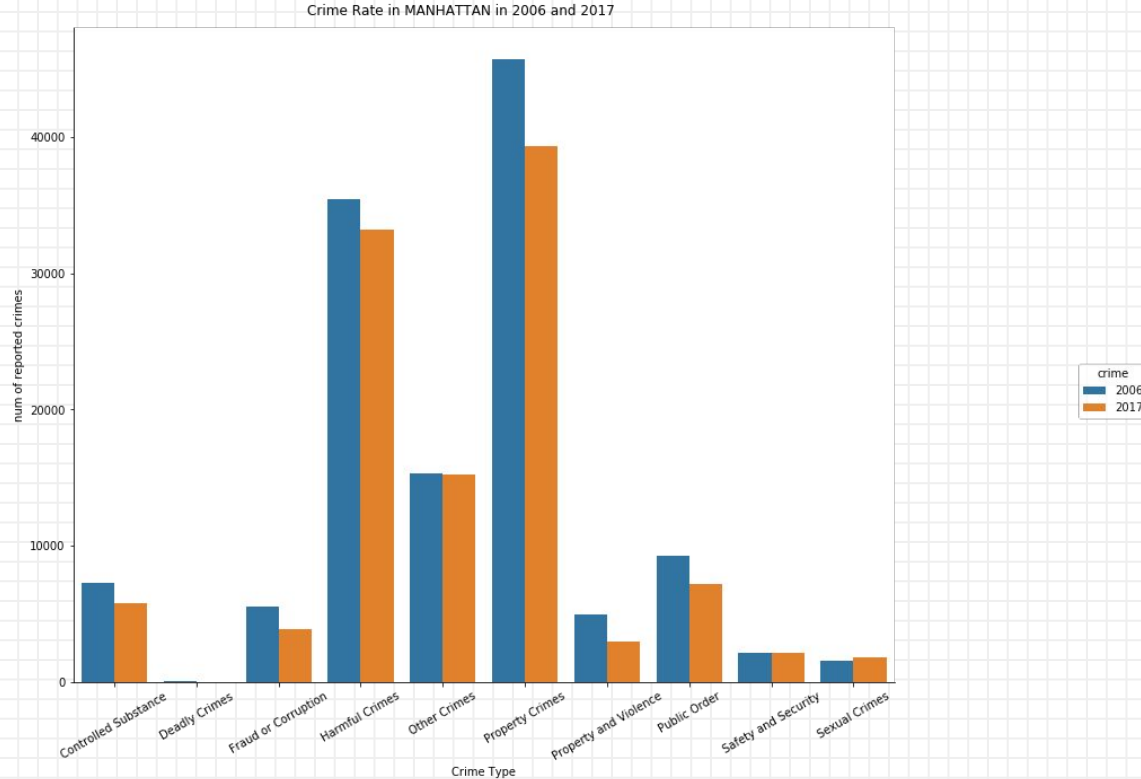




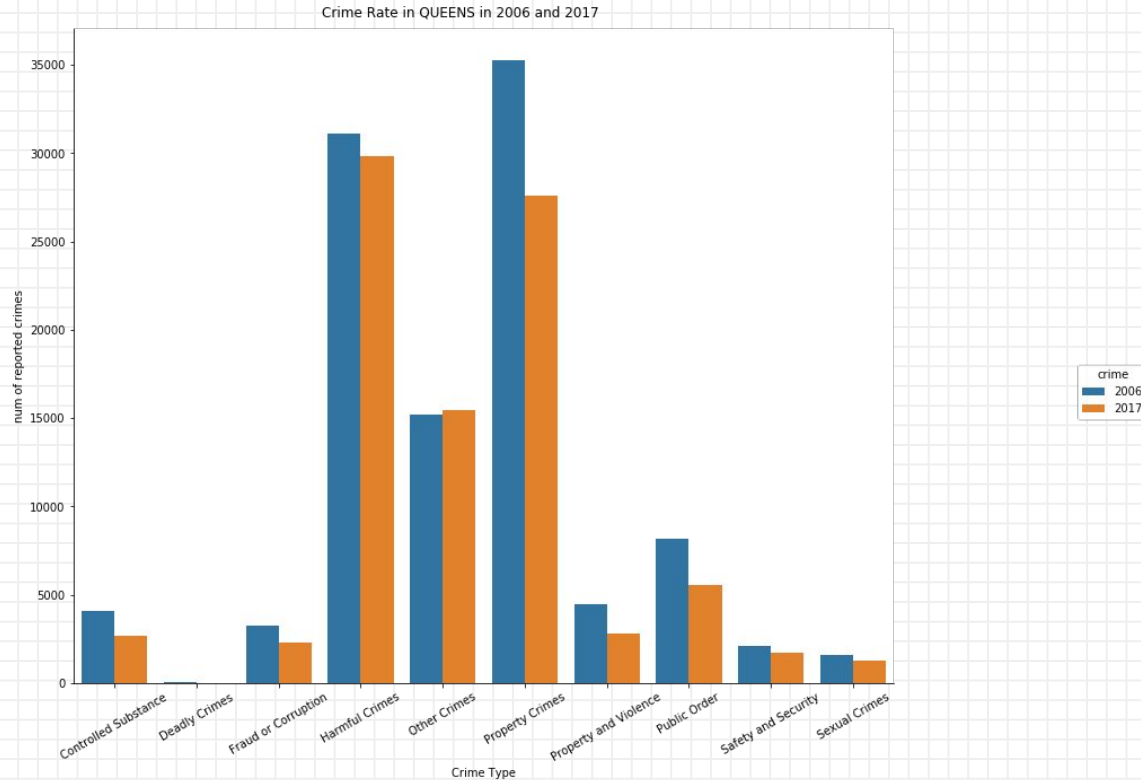
Research Question 3



Research Question 3



Research Question 3





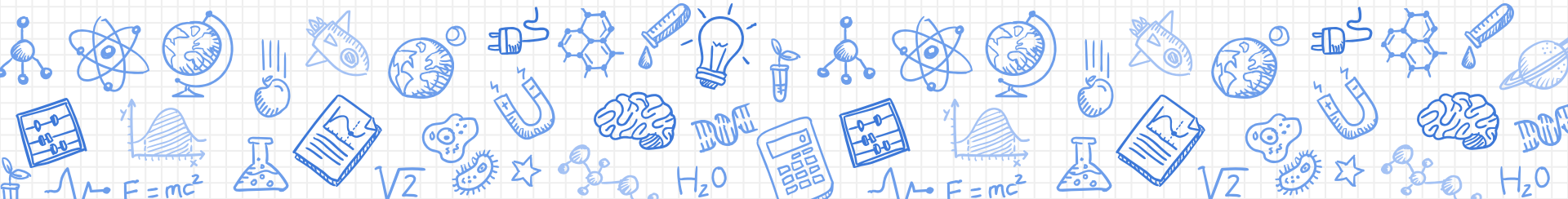
Conclusion

- ✗ The city and boroughs witnessed decreases in most types of crime.
- ✗ All boroughs with the exception of Staten Island witnessed marginal increases in other crimes.
- ✗ Bronx witnessed a small increase in harmful crimes (0.43%).
- ✗ Sexual crimes in Manhattan increased by 17%.

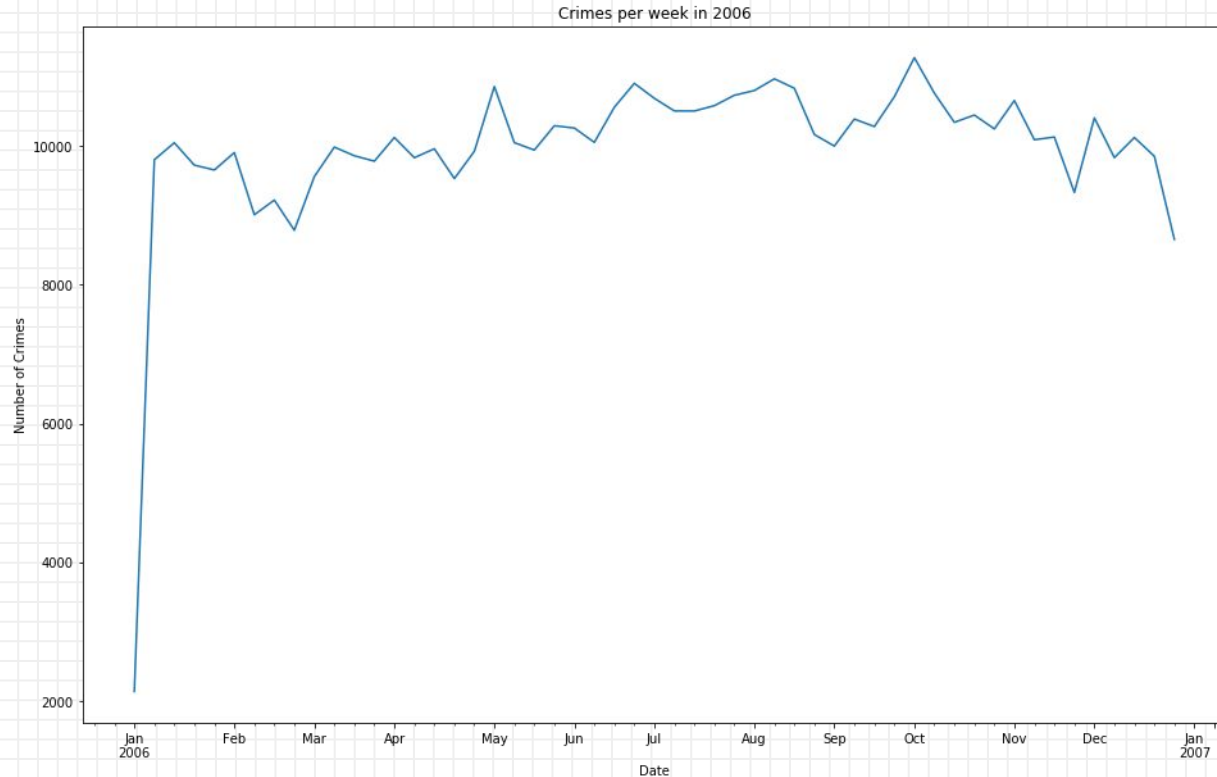


Research Question 4

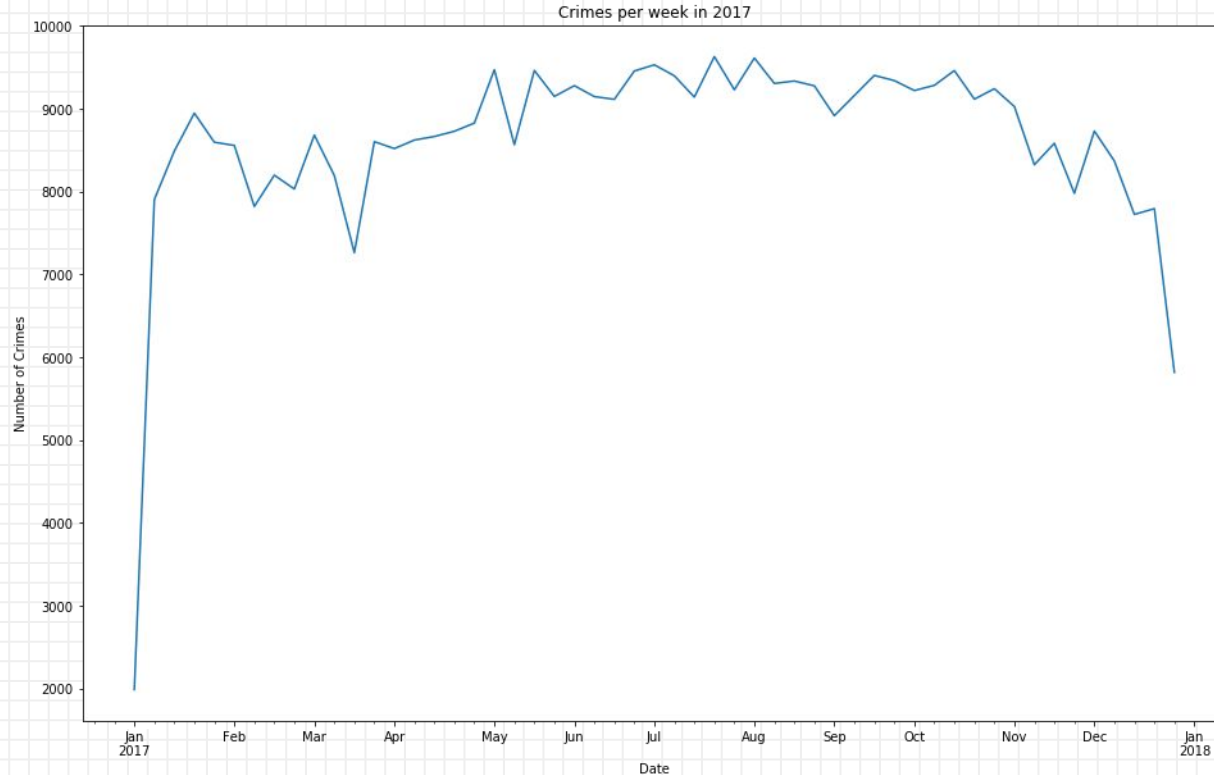
Is there any element of seasonality with regards to the number of crimes committed?



Research Question 4



Research Question 4



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Final Thoughts

- ✗ In agreement with numerous articles, crime **appears** to have fallen in NYC as a whole and in its boroughs.
- ✗ NYC is pretty safe despite being one of the largest cities in the world.
- ✗ Crime can never be fully controlled.



THANKS!
Any questions?