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INFO 250 – 001

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Project 2B

I have published my tableau workbook on Tableau's public server. There a lot of sheets there which may or may not be interesting to you, but I added them there because they helped me create the Dashboards.

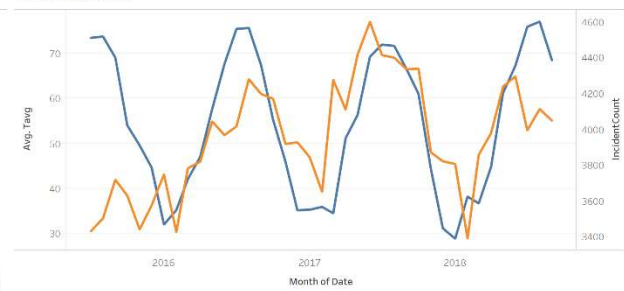https://public.tableau.com/profile/prakhar.saxena7174#!/vizhome/Project2B_16059740584040/Dashboard2

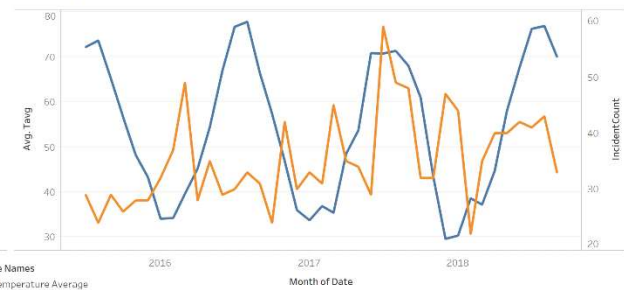**Temperature and Crime Vs Months (split by UCR part categorisation)**
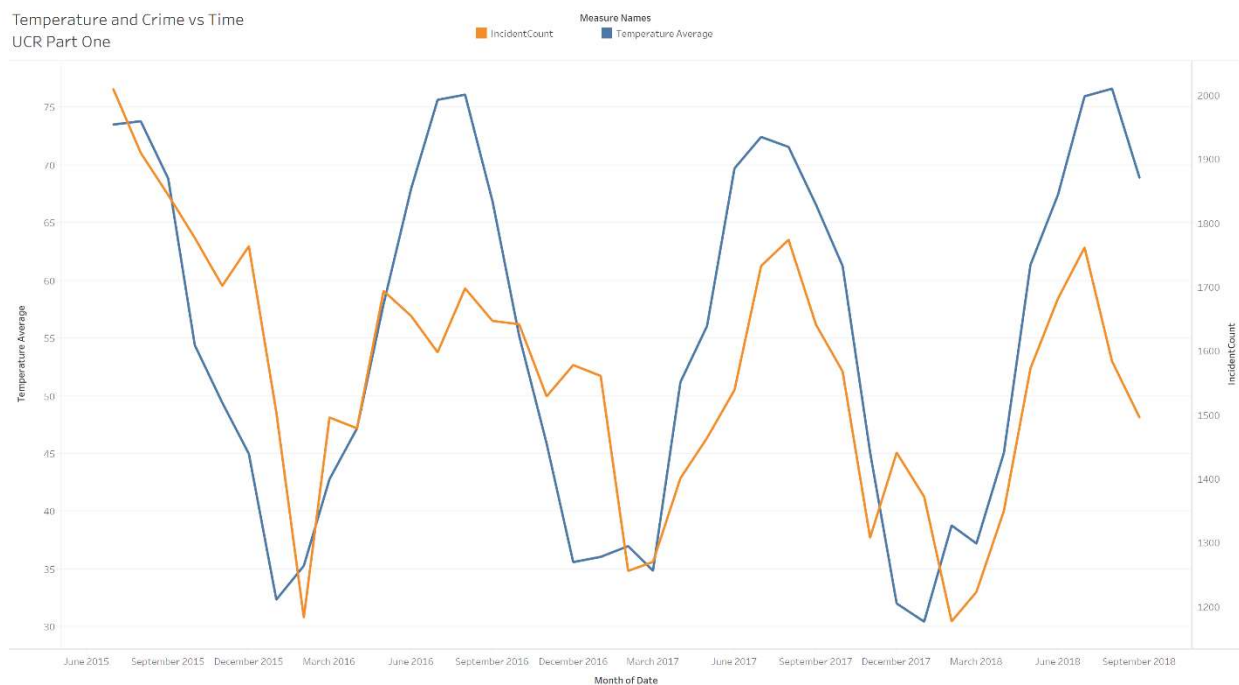
Temperature and Crime vs Time
UCR Part Two
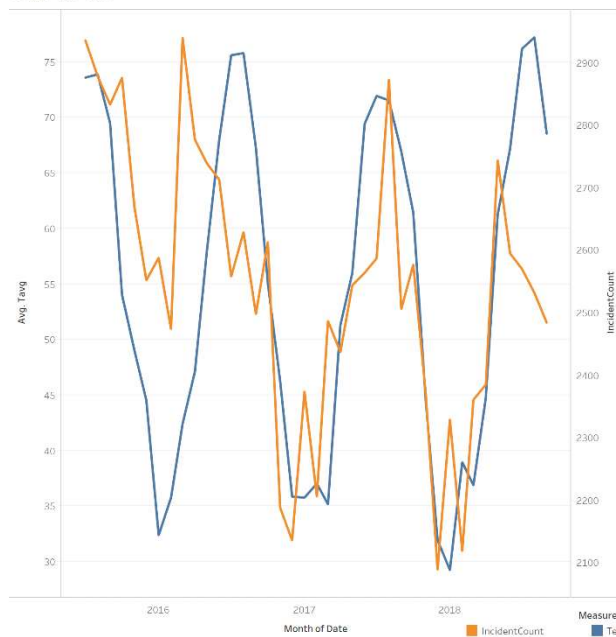
Temperature and Crime vs Time
UCR Part Three

Temperature and Crime vs Time
UCR Other

For all these graphs, I use attributes Temperature, Count(Incident) and Date. I can observe a strong correlation between the Temperature and the Incident Count. The number of incidents increases when the temperature rises.

I also split the graphs by the UCR categorisation. I did that to get a better picture, and to eliminate the fact that, one type of crime, being the majority, might affect the other types. To support this theory, I also computed the R-squared values for each category. R-squared (R^2) for Part I, Part II, Part III are 0.48, 0.31, 0.18, respectively. These, considering real-world independent sources of data, are pretty high.

Incidents vs Month

Incident vs Month
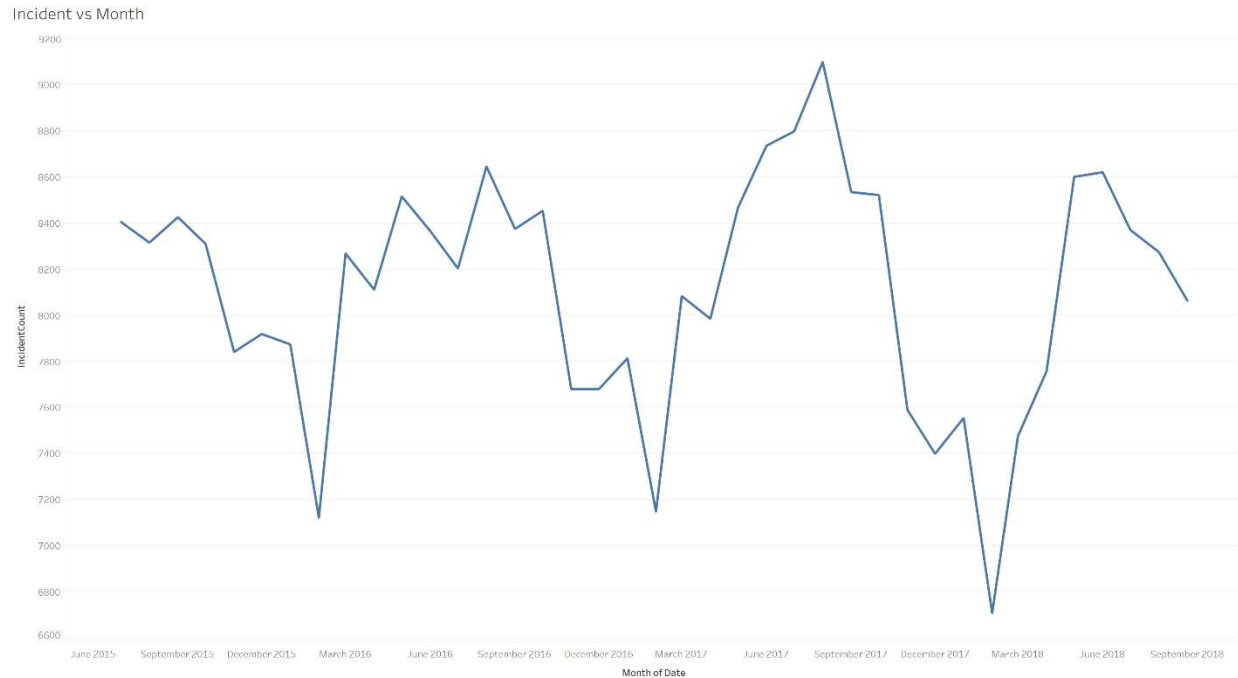
This graph uses just two attributes, Count(incidents) and Date.

This graph can be used to see if there's a trend in the incident occurrence based on the time of the year. The finding could be related to the season, temperature, or in some extreme and unlikely cases even the local culture.

I used this graph to understand whether there's a trend in the incident occurrence based on the what time of year it is. The finding from this data could be related to the season, temperature, or in some extreme and unlikely cases even the local culture.

From this chart, we can observe that the crime sees a dip during December, January and February; and peaking in July, August, and September. Now, I could conclude from this, stating that there is a correlation between months in a year and the crime incidents.
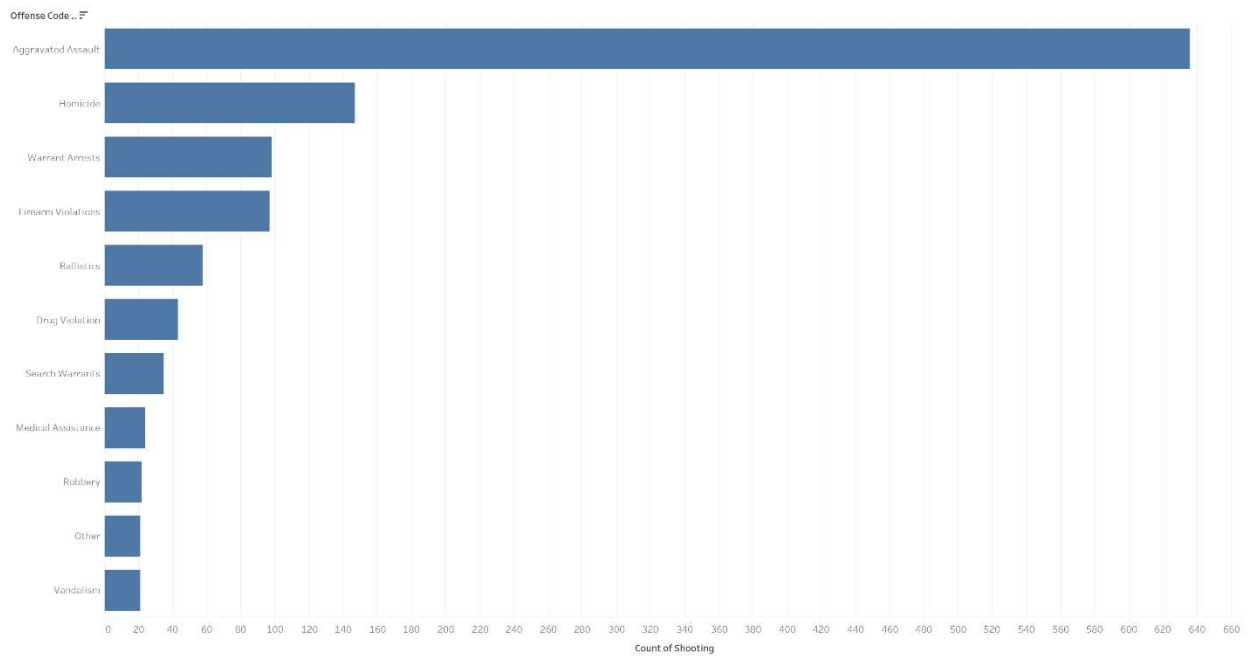
Top 20 Offenses by Types
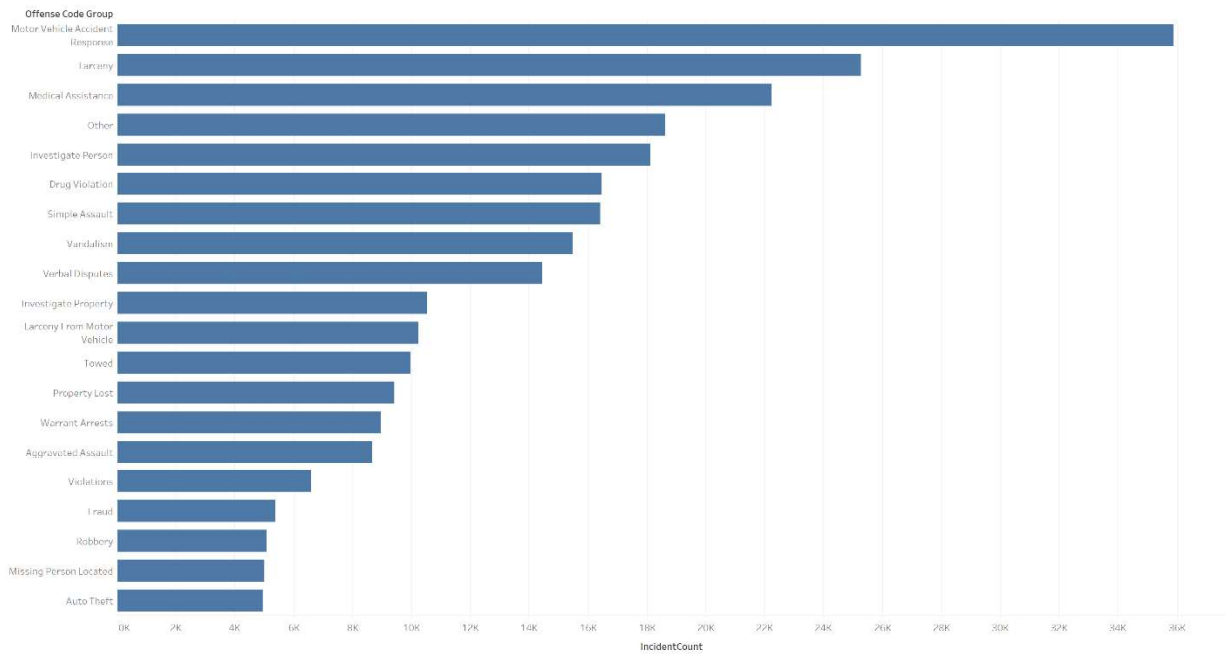
This graph just uses two attributes, the Offense Code Group and Count(Incident). It's a very straight-forward graph, it displays the top 20 offences in the city of Boston, regardless of their categories. I can observe that the Motor Vehicle Accident is the most common incident.

Shooting

Shootings vs Offense Code

Offense Code ..

Offense Code Group	
Aggravated Assault	
Homicide	
Warrant Arrests	
Firearm Violations	
Ballistics	
Drug Violation	
Search Warrants	
Medical Assistance	
Robbery	
Other	
Vandalism	

Count of Shooting

This graph tells us about the number of shootings, categorized by the Offense Code Groups. This tells us which type of incidents had the greatest number of shootings.