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Professor Bhupesh Shetty

INFO 250 – 001

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Project 2 – Final Project

I have published my tableau workbook on Tableau's public server. There are 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.
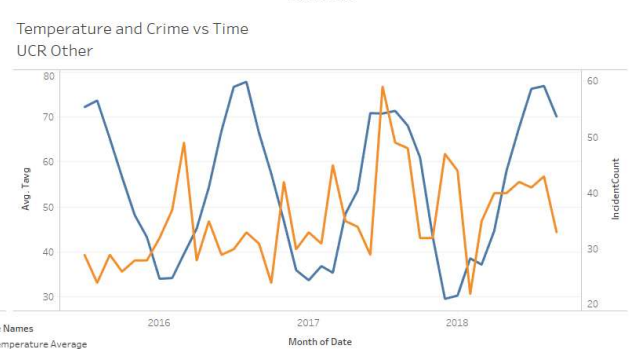
https://public.tableau.com/profile/prakhar.saxena7174#!/vizhome/Project2Revised/Dashboard2

Temperature and Crime Vs Months (split by UCR part categorisation)

Before

After

Temperature and Crime vs Time
UCR Part One

Temperature and Crime vs Time
UCR Part Two

Temperature and Crime vs Time
UCR Part Three
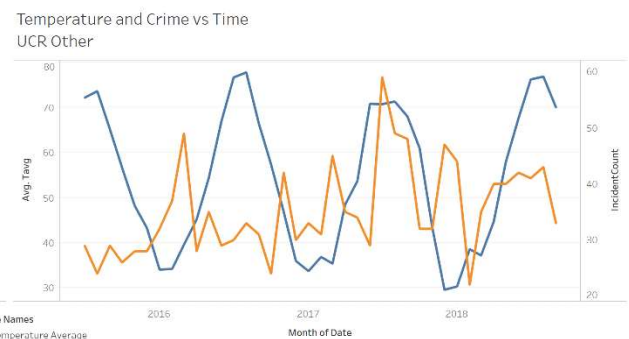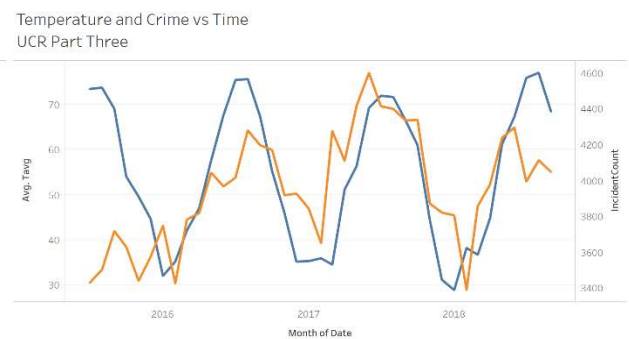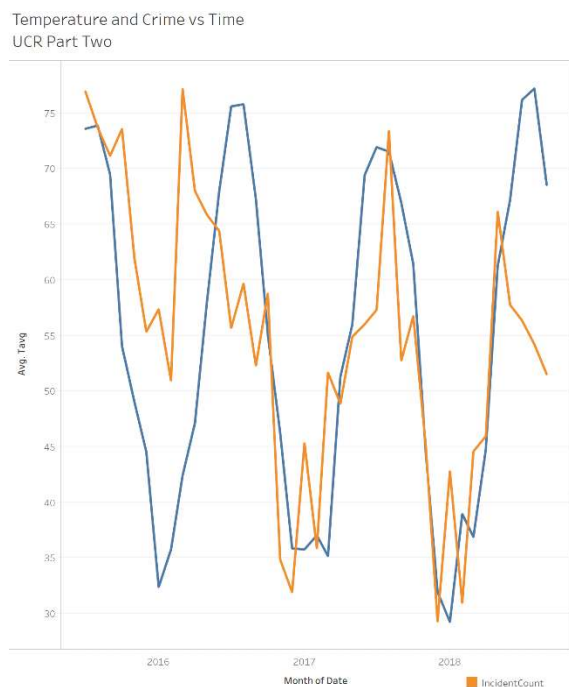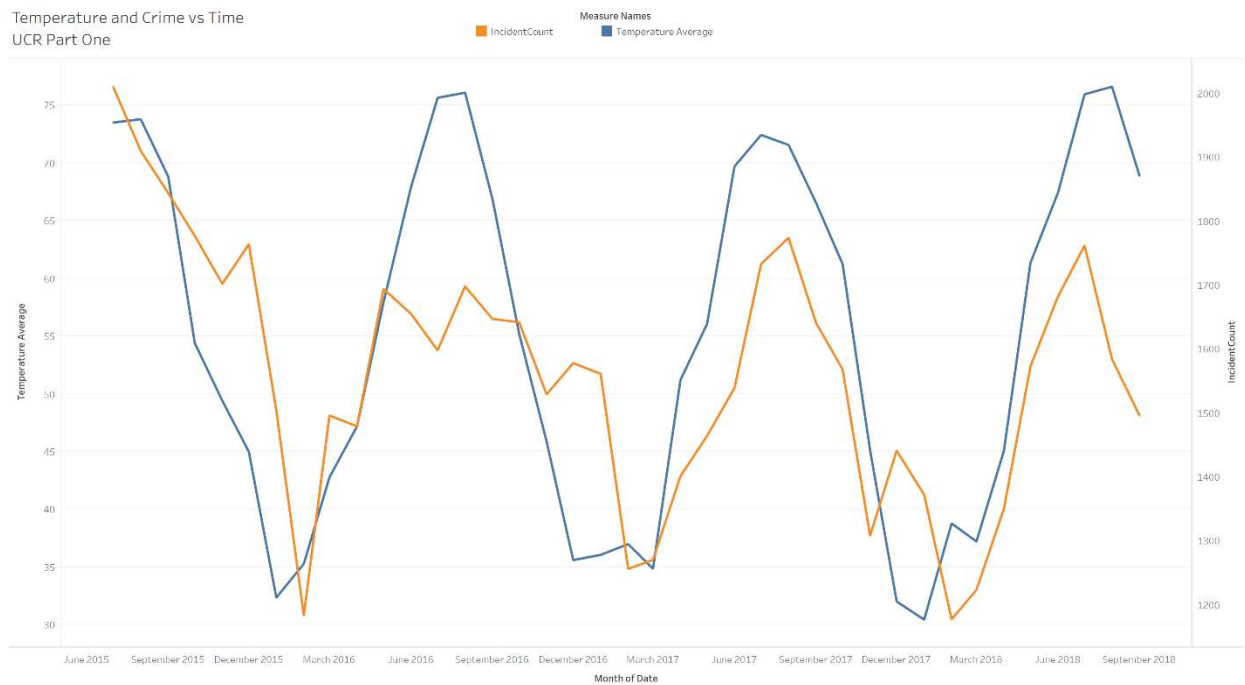
Temperature and Crime vs Time
UCR Other
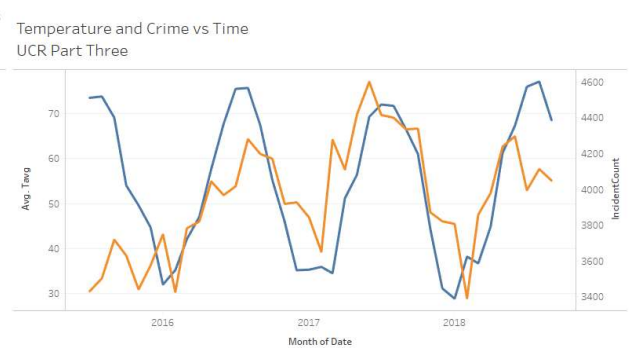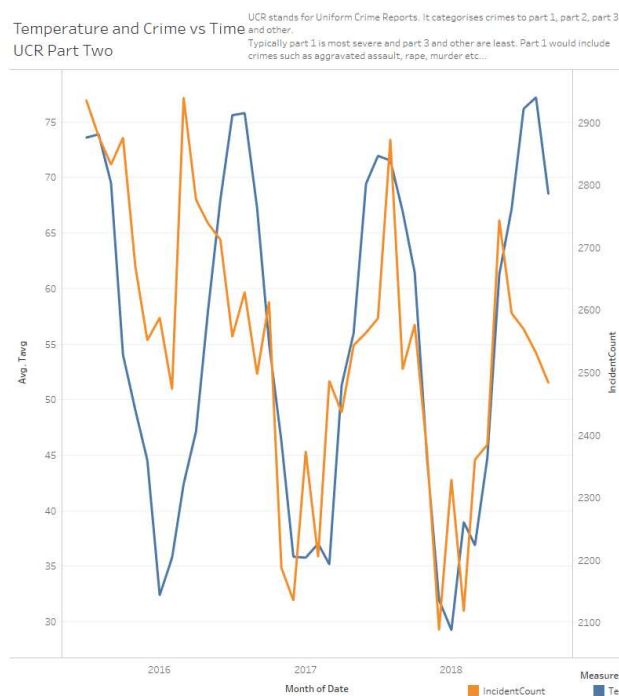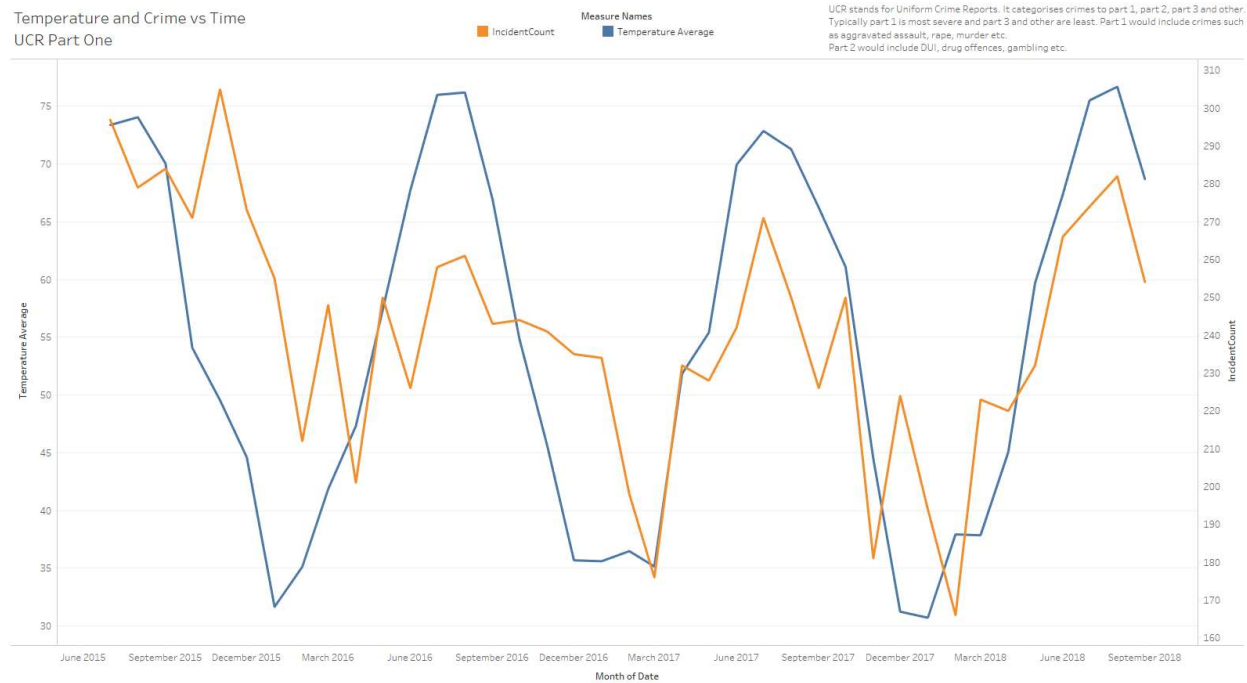
I added a textbox on both the dashboards that concisely describes what UCR categorisation is. I believe this was recommended because it may or may not be common knowledge.

Top 20 Offenses by Types

Before

After

Top 20 Offenses by Types

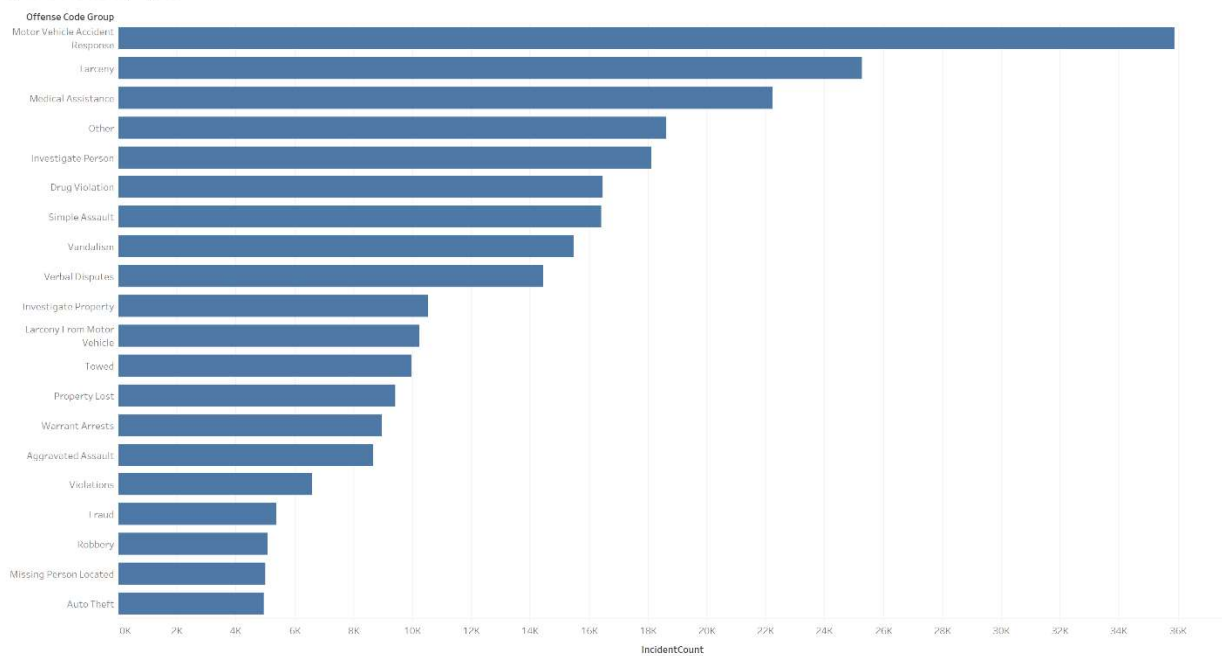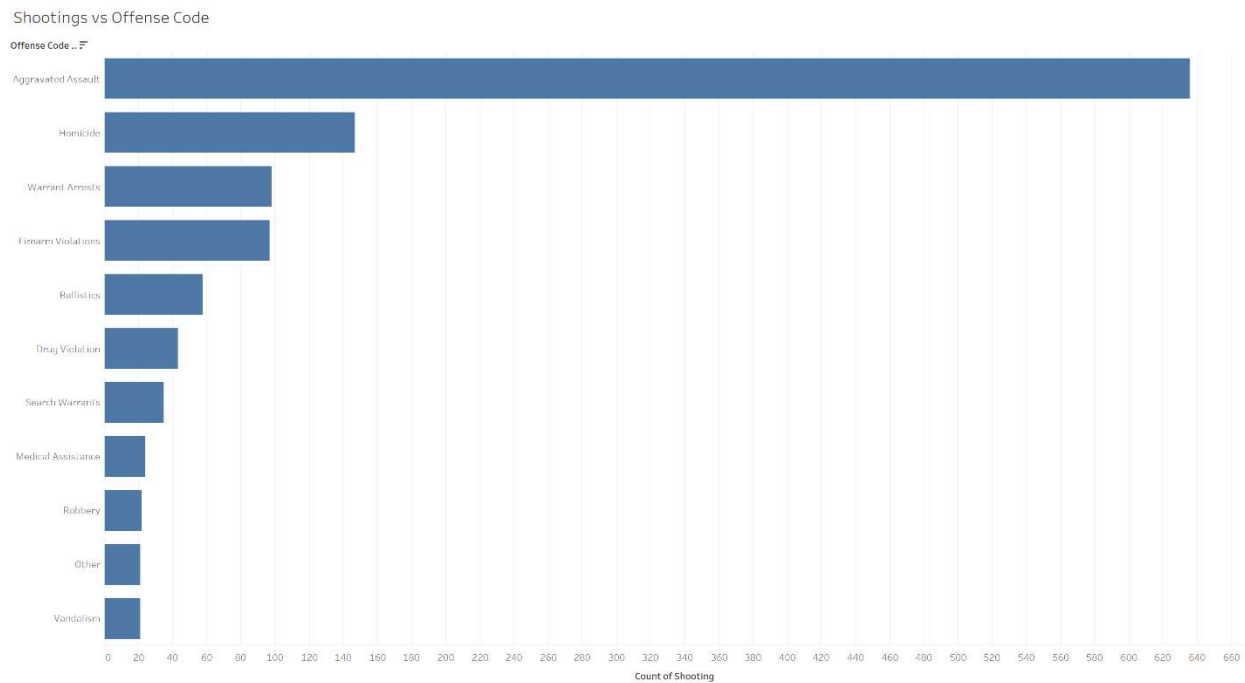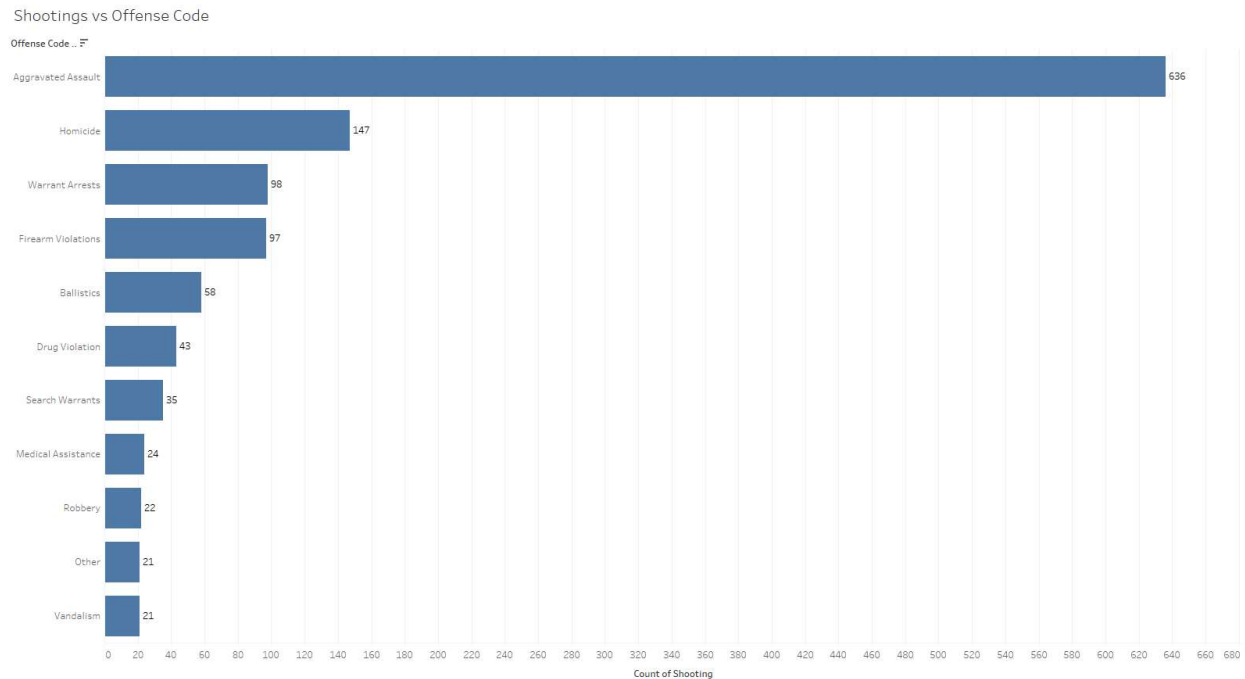| Offense Code Group	IncidentCount
Motor Vehicle Accident Response	35,865
Larceny	25,258
Medical Assistance	22,232
Other	18,629
Investigate Person	18,121
Drug Violation	16,472
Simple Assault	16,421
Vandalism	15,479
Verbal Disputes	14,435
Investigate Property	10,540
Larceny From Motor Vehicle	10,236
Towed	9,979
Property Lost	9,418
Warrant Arrests	8,968
Aggravated Assault	8,657
Violations	6,593
Fraud	5,385
Robbery	5,068
Missing Person Located	5,009
Auto Theft	4,937

The change I made in this graph is that I added label of the incident count to the bars. This way the viewers can see the number at the first glance itself.

Shooting

Before

Shootings vs Offense Code

Offense Code ... ⇊

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

0   20   40   60   80   100   120   140   160   180   200   220   240   260   280   300   320   340   360   380   400   420   440   460   480   500   520   540   560   580   600   620   640   660

Count of Shooting

After

Shootings vs Offense Code

Offense Code ...

The change I made in this graph is the similar to the last one. I added label of shooting count to the bars, so that viewers can see the number at the first glance itself.

what are the most and least useful aspect of this course do you see?

I found this course useful because it taught me the practicality of data science. Fitting a Machine Learning model though important, but at the end of the day, one needs proper effective visualisations to show results. A successful data scientist is not just one who comes up with the best model, but also the one that can convey their message across well.

Cheers