

User:

The user that was given to me is a criminal who wishes to commit crime without being caught. Thus, the criminal wants to know the best time possible to commit a crime. I assumed they wanted this crime to be something larger and committed on a single day. I am also assuming that this person thinks a lack of arrests means the police aren't on as much of watch on a particular day rather than that less crimes were actually committed.

Research Question:

The answer the user wants to deduce is what the best day and time would be to commit a crime. This can be confusing using this particular data set as we are unaware if the arrest count is a variable more affected by civilians or the police. What I mean by that is when a lower number of arrests are made on a particular day, is it safe to assume the police are simply patrolling less on that day or are we to assume people simply committed less crime on that day. Thus our data and our outcomes can entirely flip-flop, making this a tough scenario of data interpretation.

Visualizations:

Hourly Records – For the hourly records graph, I wanted to represent the run-down of crime count per Sector regulated per hour. The data shows that, for all sectors, the least amount of arrests are made around 6AM and Sector F has less arrests made than all other sectors at that hour. This answers the question of what hour the crime should be committed.

Daily Records – The daily records graph shows the run-down of specific days of the year and how many arrests were made in each Sector. This answers the question of what day the crime should be committed. It is clear that the least arrests made in the whole year were in Sector F on December 27th.

Map – This map is meant to show where Sector F is in relation to the rest of Seattle. It answers the user's question of where the crime needs to be committed with an actual geographic representation. This sheet of data was added for the sake of leading the user to the proper conclusion of the data. It is hard to clearly represent arrest counts while also representing geographic location, so singling out was the most straightforward process.

Link to my Visualization:

[https://public.tableau.com/profile/publish/VisualizationDeliverable_7/Dashboard1 - !/publish-confirm](https://public.tableau.com/profile/publish/VisualizationDeliverable_7/Dashboard1_-_publish-confirm)