

Insights from Visualization of Crime Data

❖ Crime Rates Over Time :

- We can see an inclined trend in crime rates occurrence over the years.
- Crime rate change for Quarter 3 has been significant.
 - For the year 2020, there was a dip in crimes from Q1 to Q4.
 - For the year 2021, there was a rise in crimes from Q1 to Q4.
 - Overall, the contribution of Quarters has been approximately the same, difference is about 5k.
- The initial crime rate drops low from Feb to March and then rises and remains high for the rest of the year.

❖ Day Time and Week Factors:

- From Monday to Sunday, the Crime rate drops. Monday sees most of the crime.
- Crimes happening at 12pm i.e. Noon, are much higher than any other time of the day. Also, most crimes happen from 6 pm to 10 pm.

❖ Crime by Location:

- High crime areas are 77th Street, Pacific, and Central Areas.
- Low-crime areas are Devonshire, Hollenbeck, and Foothill.
- Center Part of the city we can see the hotspot.

❖ Types of Crime:

- Strong Hands, Unknown Weapons, handguns, and semi-automatic pistols are popularly used as Weapons.
- Interesting fact, Verbal threat is also popular.

❖ Types of Crime:

1. Against Age Group, 18-34 years the crime number. Children are facing child abuse, still concerning.
2. Men are victims in most of case relative to women. Females have been victims to partner assault and men to burglary.

❖ Arrests Ratio:

- Juveniles are arrested 68% of time while Adult in 44% in completed cases.