

LA Crime Dataset Report

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Crime Rates Over Time:

- What is the overall trend in crime rates over the years?

2021 has higher rate of Crime when Compared to 2020, with the highest in the month of Oct 2021 with 19,286 Crimes.

- How have crime rates changed on a monthly basis?

July has the highest number of crimes reported which is around 36K and lowest in Apr

- How have crime rates changed on a quarterly basis?

Quarter 3 has the highest number of crimes reported which are around 105,000 and quarter two has around 100,000 which is the lowest.

Day Time and Week Factors:

- Is there a correlation between the day of the week and the number of reported crimes?

The correlation between the day of the week and the number of reported crimes is as the week progresses that is Monday has the highest number of reported crimes followed by Tuesday and followed by the way the week goes.

- Do certain types of crimes tend to occur at specific times of the day?

Peak crime occur at noon (12 PM).

Crime by Location:

- Where are the high-crime areas in Los Angeles?

High Crime areas are 77th Street, Central street and Pacific.

We want to know (your inferences on):

- o By seeing the geo map, what are the crime hotspots?

Crime hotspots are in South California

- o Can you identify areas where Los Angeles performs better or worse in terms of crime rates?

77th Street has the highest number of crime (26368) and Foothill has the lowest crime rate (14120) over the two years.

Types of Crime:

- What are the most commonly used weapons in reported crimes?

1. Strong arm
2. unknown weapon other weapon
3. verbal threat
4. handgun
5. semi automatic pistol

Demographic Analysis:

- Show in the visualization the age patterns in crime.

The age range of 28 to 35 are the peak range of victims of the crimes in LA. The distribution is fairly normal.

- Show in the visualization the gender-related patterns in crime.

Around 42% of the victims are male followed by 36% of the victims are female and around 8% are unknown.

Arrests Ratio:

- What percentage of reported crimes result in Juvenile, Adult arrests?

Reported crimes result in around 10% as adult arrests and 0.34% as juvenile arrests.