Chicago Crime Analysis

The Chicago Crime Analysis is about analyzing the datas and getting the insights from the datas and recommending solutions to the policy makers and social workers.

This analysis contains Geospatial analysis , Crime types , Trends of Crimes (depends on Year, Month, Days and Time), Domestic vs Non-domestic crimes, Arrest and reported crimes to leverage the Law enforcement actions , Future prediction and finally recommending public awareness against the enhancing crimes.

**Insights from this analysis:**

High crime areas: Using Location feature most crime areas are found out. They are France and North america. The districts which have more crime rates are 2 , 8 , 11 , 12 and 25. These are most crime occurring districts and high peak crime district locations.

**Seasonality and Trends of crime:**

In the year between 2002 - 2021 more domestic related crimes are happened and more arrests also occur in this cases and in the year between 2022- 2024 non-domestic crimes are committed. Simple Thefts are grown in this time periods. Also, in the years up to 2021, August to December most sexual harassment , Offense involving children , Narcotics and Criminal damage are mostly occurred in this seasons.

**Location Analysis:**

Most of the crime occurred in the locations: Streets , Apartments , Retails stores , Auto , Grocery stores etc… are some public locations where most of the crimes occurred. In the weekdays most of the crime occurred especially theft criminal types.

**Arrest efficiency analysis:**

The reported crimes are about 5 lakhs. But arrest rate is only 2.5 lakhs so when non-domestic crime arrest increases , the rate of crime decreases.

**Future Predictions:**

From this analysis, the crimes like Theft , Sexual Crime types and Offense involving children . These types of crimes may gonna to increase.Also non-domestic crimes are gonna to increase in the location of north america and areas in North america.

**Recommendations:**

Public awareness program about Theft , Sexual crime types , Simple , Battery , Criminal damage , Narcotics. Make public to aware about safety measures in public places. Fixing cameras in the most occurring places , Increasing arrest rates in non-domestic crimes , Providing high preference for most crime occurring districts.