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| **Project Title** | **Chicago Crime Analyzer** |

**Problem Statement:**

The increasing complexity and volume of crime data present significant challenges for law enforcement agencies and policymakers. Understanding patterns in criminal activities, identifying high-risk locations, and analyzing trends over time are crucial for effective decision-making. However, the lack of accessible insights from raw crime data hinders the ability to allocate resources efficiently, predict future crime occurrences, and enhance community safety. Furthermore, assessing the effectiveness of arrests and understanding the impact of different crime types remain underexplored. This project aims to address these challenges by analyzing the provided dataset to uncover actionable insights and trends, ultimately aiding in crime prevention and fostering safer communities.

**Tools Used:**

Power BI

**Approach:**

Initially the Given Data Set was cleaned using Power BI by removing the duplicates , replacing null values & replacing similar data.

A detailed eight page report is created using Power BI for the mentioned Data Analysis.

The Summary Page consists of Charts depicting count of various crime types ,arrest rate for each crime type,count of severe crimes in each district,Graph depicting the child related crime in districts and also crime distribution across various seasons & different hours of the day.

The Report is further detailed with separate pages for Temporal,Geospatial,& Seasonal Analysis.

It also has details for Domestic Crime distribution,Beat wise & location specific analysis.Crime Type Analysis is also included by categorising the different crimes into Severe or non severe.

Apart from the given data set , 3 new tables were added each for setting Target Crime Rate ,Target Arrest Rate & Fetching District names were created.

Also Measures were created for Arrest Rate ,Child Related Crime count & SevereCrimeCount for analysis purpose.