# VISUALIZATION OF COMPLEX DATA_DATS_6401_12 PROJECT PROPOSAL

Topic:  CRIMES IN LOS ANGELES

Dataset Source:  Los Angeles Open Data

Dataset Link:  DATASET

Github Link:
https://github.com/Jagadeeshwarkalyanapu/Visualization-of-Complex-Data.git

Team Members:  Sai Pavan Mekala, Kundana Chowdary Cherukuri, Jagadeeshwar Kalyanapu

## Description of the Project:

The dataset captures crime incidents in Los Angeles from 2020 to 2023, detailing offenses like burglary, robbery, vandalism, and homicide. It records crucial information such as date, time, location, crime type, and pertinent victim and perpetrator details. This comprehensive dataset facilitates extensive analysis, enabling researchers and law enforcement to uncover crime patterns, trends, and hotspots across different neighborhoods and timeframes. Such insights empower the development of targeted crime prevention strategies, optimized resource allocation, and policy interventions to enhance public safety and mitigate crime rates in the city.

## SMART QUESTIONS:

1. **Crime Trends Analysis**
- How have crime rates changed over time from 2020 to the present?
2. **Geographical Analysis of Crime Hotspots**
- Which areas have the highest crime rates?
- How do crime types vary by geographical location?
3. **Time-Based Analysis of Crime**
- Is there a correlation between time of day and the type of crime committed?
4. **Impact of Specific Events on Crime Rates**
- Did significant events (e.g., COVID-19 pandemic) impact crime rates and types?
5. **Analysis of Crime Resolution**
- How does the resolution rate vary by crime type?
- Is there a correlation between the crime location and the likelihood of crime resolution