

PROJECT DOCUMENTATION

CRIMES IN LOS ANGELOS

2022-Present

1. Project Overview

This project involves analyzing crime data using Power BI to identify crime trends and a solution to reduce them.

2. Tools Used

- Power BI Desktop
- Power Query in Power BI

3. Dataset

- Source: https://data.lacity.org/Public-Safety/Crime-Data-from-2020-to-Present/2nrs-mtv8/about_data
- Data contains: DR Number, Date Reporting, Date occurrence, time occ, Area, Area Name, Report Dist. No., Part 1 or 2, CRM CD, CRM CD Desc, Mocodes, Vict Age, Vict sex, Vict descent, Premis cd, Premis Desc, weapon used cd, weapon desc, Status, Status desc, crm cd 1, crm cd 2, crm cd 3, crm cd 4, Location, Cross Sreet, LAT, LON

4. Steps

Cleaned Data in power BI

- Removed unwanted column
- Removed Blanks
- Split columns by delimiter
- Changed column types
- Edited texts
- Replaced values
- Renamed columns
- Filtered Rows
- Sorted Rows
- Replaced N/A based on the frequently involved sex in crimes for each location.

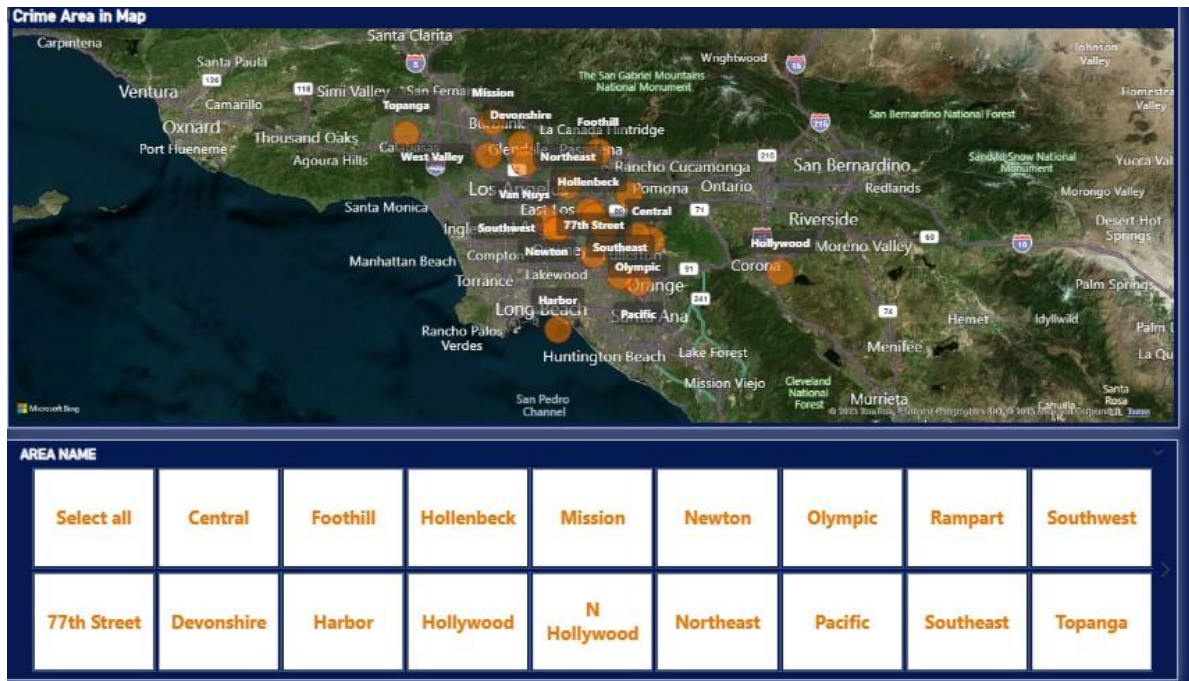
Built dashboards using KPIs, Charts, Map, slicer.

5. Key Insights

- A total of 599,683 crimes have been reported from 2022 to the present, as of April 16, 2025.
- Crime rates have shown a declining trend over the years.
- As of the latest data, 182,725 reported crimes involved the use of a weapon.
- Vehicle theft is the most frequently reported crime during this period.
- Streets are the most common locations where crimes occur.
- Most crimes are reported within 5 days of occurrence.

6. Screenshots





7. Files Included

Crimedata.pbix- Power BI dashboard and cleaned data

8. How to use

Open crimedata.pbix in power BI Desktop to explore the visuals and to shows cleaned data.