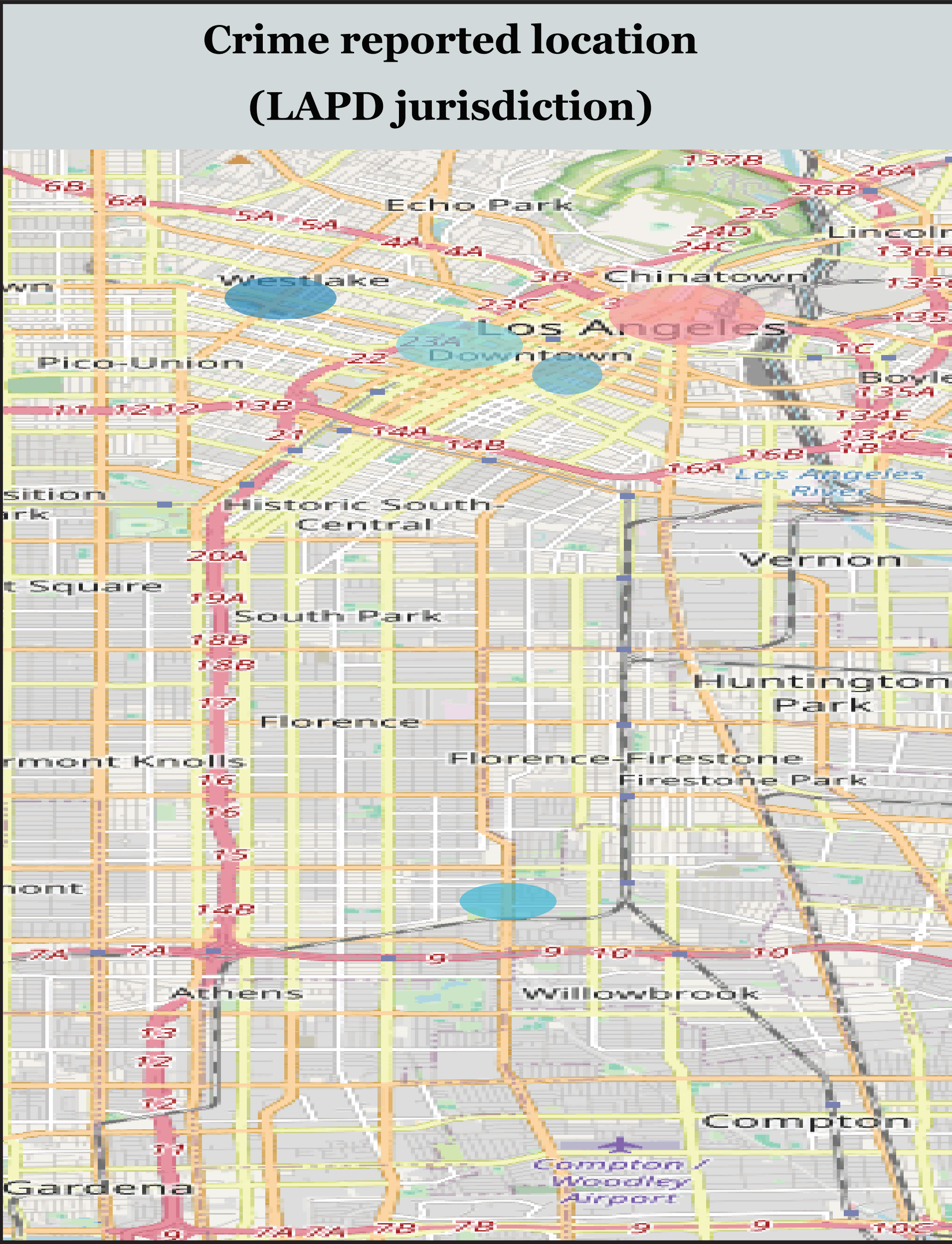
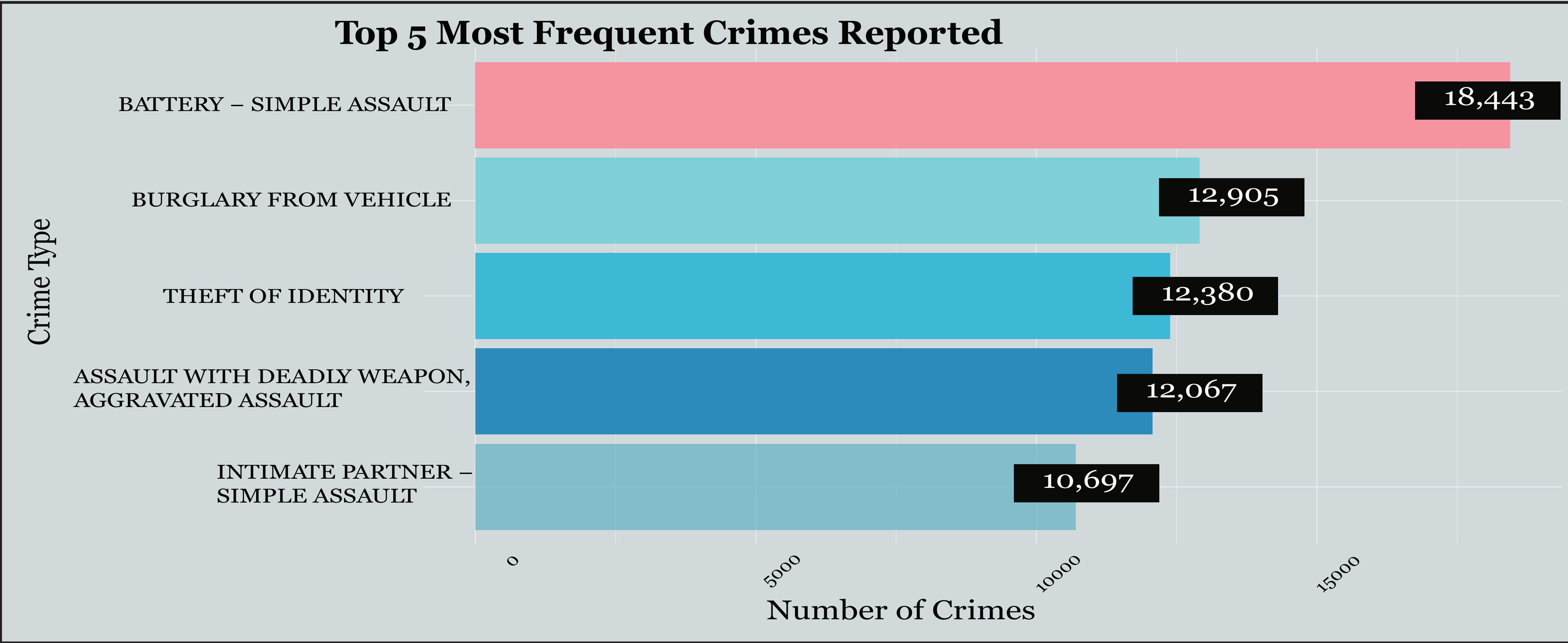


LAPD Crime Analysis Report - 2023

-Srishti RV Singh, IST 719

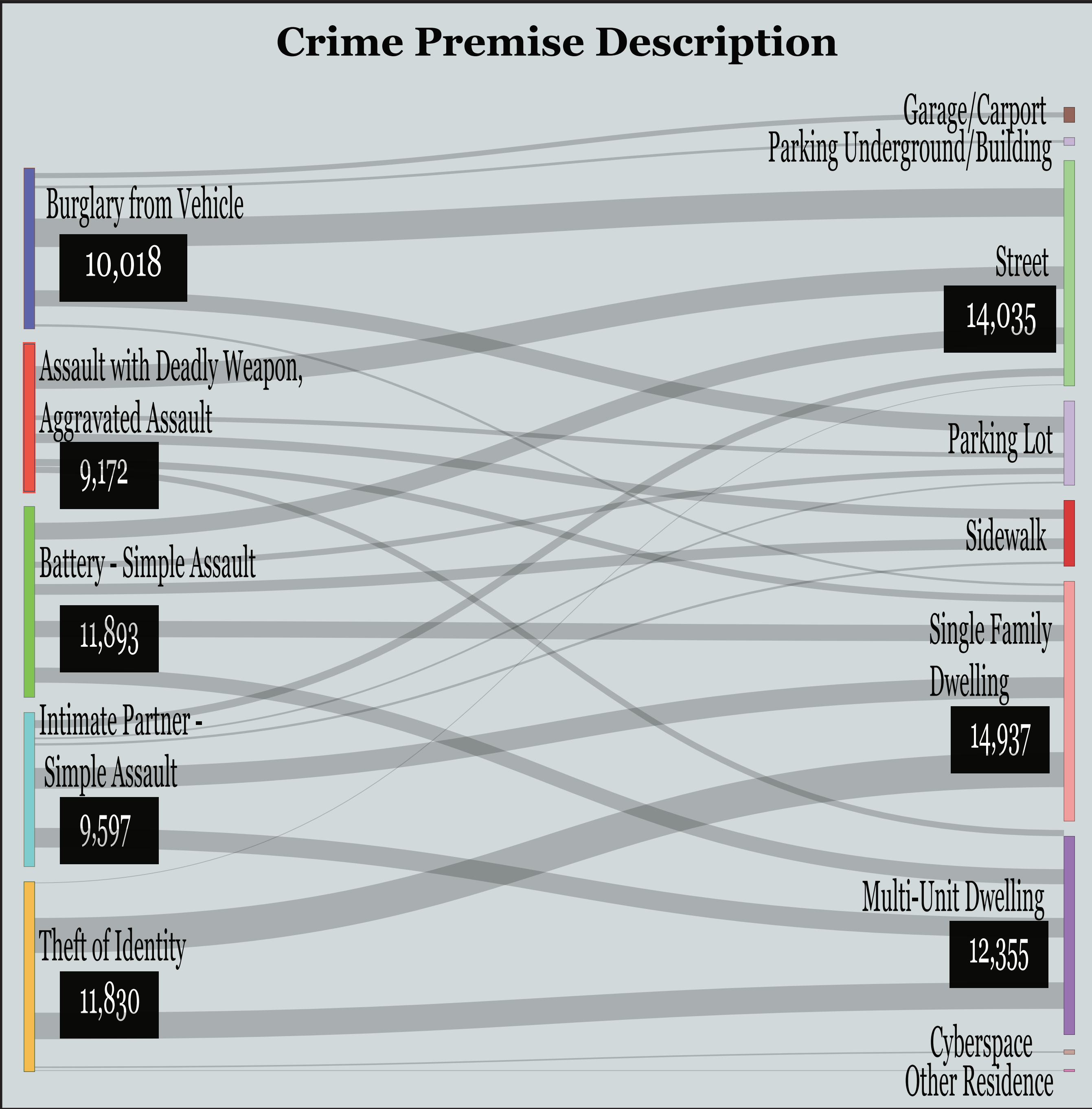
Question:

How does the overall trend looks for top five types of crime? Emphasize on location, premise monthly/weekly patterns.



Dataset:
The dataset contains 162,352 rows and 30 columns, sourced from the "Crime Data from 2020 to Present" dataset, managed by the LAPD. After cleaning, missing values were removed from columns such as victim age, descent, sex, and crime description, and the data was filtered to include the top 5 crimes. Aggregations like sum, count, and mean were applied, and groupings were used to create visualizations and uncover trends in the data.

Sources:
catalogue.data.gov,
R packages: ggplot2,
dplyr, networkD3,
leaflet, lubridate,
Adobe Illustrator



Average **crime** reported per day : 449

Dangerous crime time: 20.00

Victim Age range : 23-40 years

Victim Descendent Hispanic & Black communities

Story:

In 2023, the top 5 crimes in Los Angeles, including Battery - Simple Assault, Burglary from Vehicle, Theft of Identity, Assault with Deadly Weapon, and Intimate Partner Assault, saw over 64,000 cases, with the majority occurring in the downtown LA area. These crimes were most commonly reported at single-family dwellings and streets, with the highest incidence in January and peaking around 8 PM during the start of the week. The victims are Hispanic, Black females aged 30 to 35 years.

Motivation:

Understanding crime trends is crucial for creating safer communities. By visualizing the frequency and patterns of the most common crimes, we empower decision-makers, law enforcement, and citizens to work together towards proactive solutions and a safer environment for all.

