LAPD Crime Analysis Report

Analyzing crime patterns in Los Angeles (2020–2023) to support effective resource allocation.
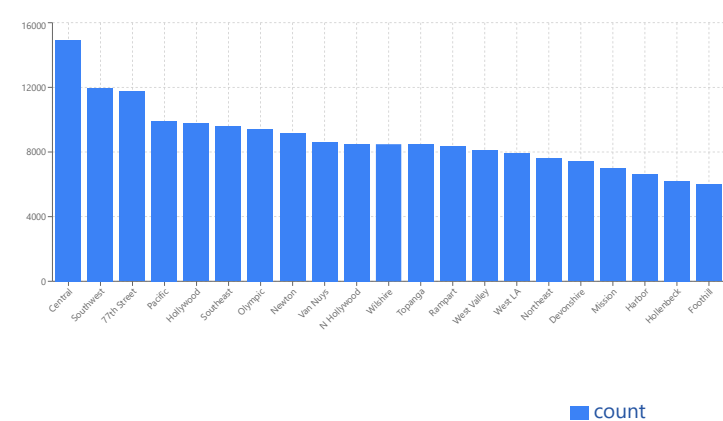
Summary

The dataset contains 185715 crime records from 2020 to 2023 across 21 Los Angeles areas. Key findings include a high prevalence of identity theft, significant crime concentration in certain areas like 77th Street, and peak crime hours in the afternoon and evening. The analysis focuses on crime types, geographic distribution, temporal patterns, victim demographics, and weapon usage to provide actionable insights for the LAPD.

Interesting Fact: The 77th Street area reports an unusually high number of identity theft cases, accounting for a significant portion of such crimes, suggesting a need for targeted cybercrime prevention in this region.
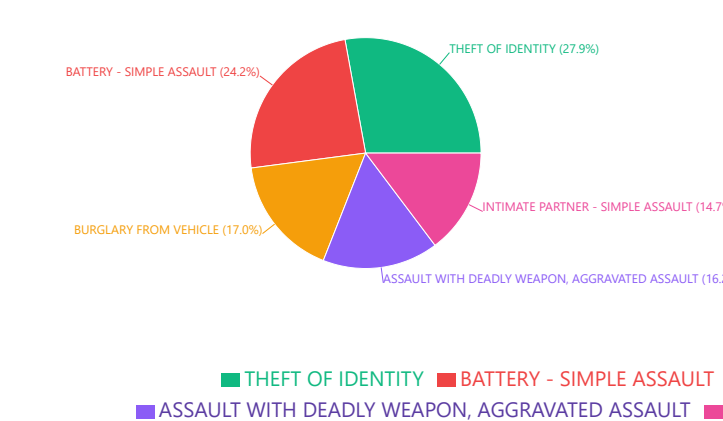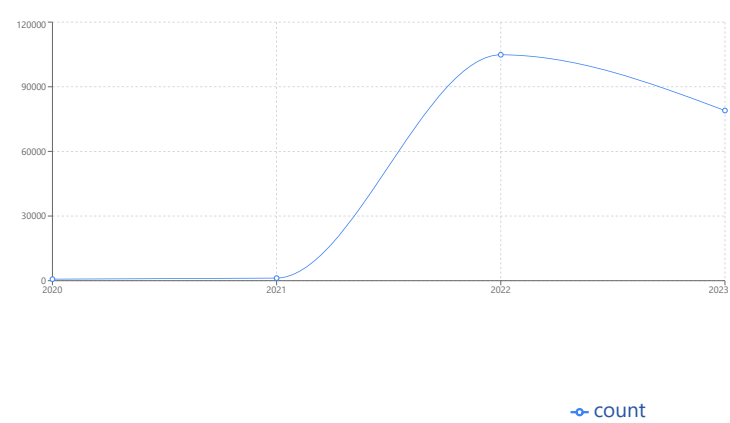
Visualizations

Crimes by Area

The 77th Street and Central areas report the highest crime counts, indicating a need for increased policing resources.
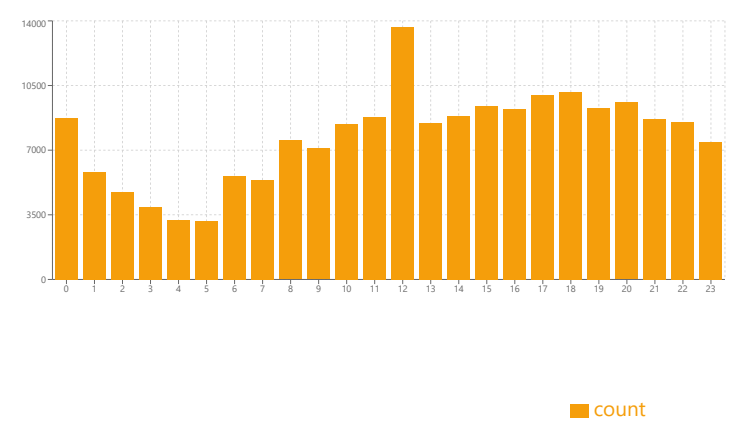
Top 5 Crime Types

Identity theft dominates, followed by burglary and assault, highlighting the need for cybercrime and property crime prevention.
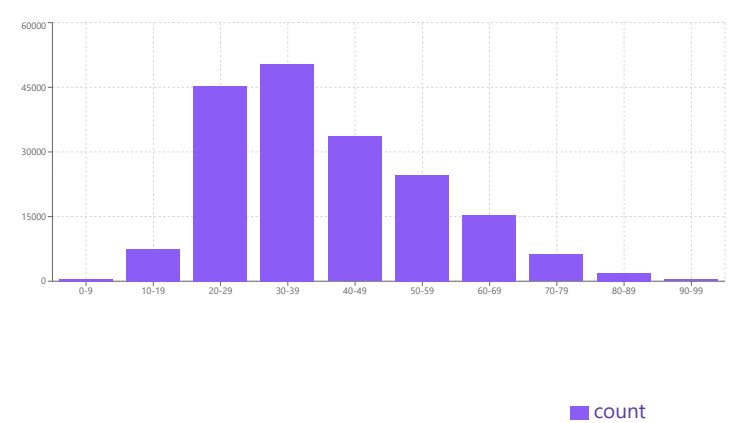
Crimes by Year

○— count

Crime rates show fluctuations, with a notable peak in 2022, possibly due to increased reporting or specific crime surges.
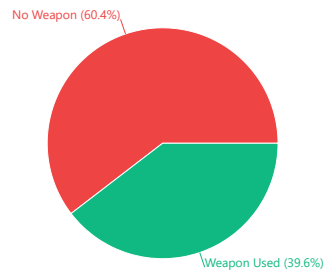
Crimes by Hour of Day

■ count

Crimes peak in the afternoon and evening (12 PM–8 PM), suggesting increased patrols during these hours.

Victim Age Distribution

■ count

Victims are predominantly aged 20–40, indicating a need for targeted safety programs for young adults.

Weapon Usage in Crimes

No Weapon (60.4%)

Weapon Used (39.6%)

■ No Weapon ■ Weapon Used

Most crimes involve no weapons, but strong-arm tactics are common in assaults, suggesting a focus on physical crime prevention.

Conclusion

The analysis reveals that identity theft is the most prevalent crime, particularly in the 77th Street area, which also has the highest overall crime rate. Crimes peak in the afternoon and evening, with young adults (20–40) being the most affected. The LAPD should:

- Prioritize resources in high-crime areas like 77th Street and Central.
- Enhance cybercrime prevention programs to address identity theft.
- Increase patrols during peak hours (12 PM–8 PM).
- Develop safety initiatives for young adults, especially in high-risk areas.
- Focus on training for handling strong-arm assaults, given their prevalence.