



# CRIME DATA IN LOS ANGELES

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## Project 1

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# Content



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# Overview

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Los Angeles has one of the highest crime rates in America compared to all communities of all sizes - from the smallest towns to the very largest cities. One's chance of becoming a victim of either violent or property crime here is one in 31. Within California, more than 86% of the communities have a lower crime rate than Los Angeles.

Neighborhoodcout.com ; <https://www.neighborhoodscout.com/ca/los-angeles/crime#description>



DATASET

## Extract

Incidents of crime in the City of Los Angeles dating back to 2020, provided by Los Angeles Police Department

## Transform

Clean  
Normalize

## Load

pandas   numpy   matplotlib.pyplot   requests  
scipy.stats   linregress   hvplot.pandas

## Analysis

# Qs & Hypothesis

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**What are the specific profiles that are most vulnerable to be victims of a crime? (sex, age, race)**

**What areas/locations are the most dangerous in LA and the time where most of the crimes occurred?**

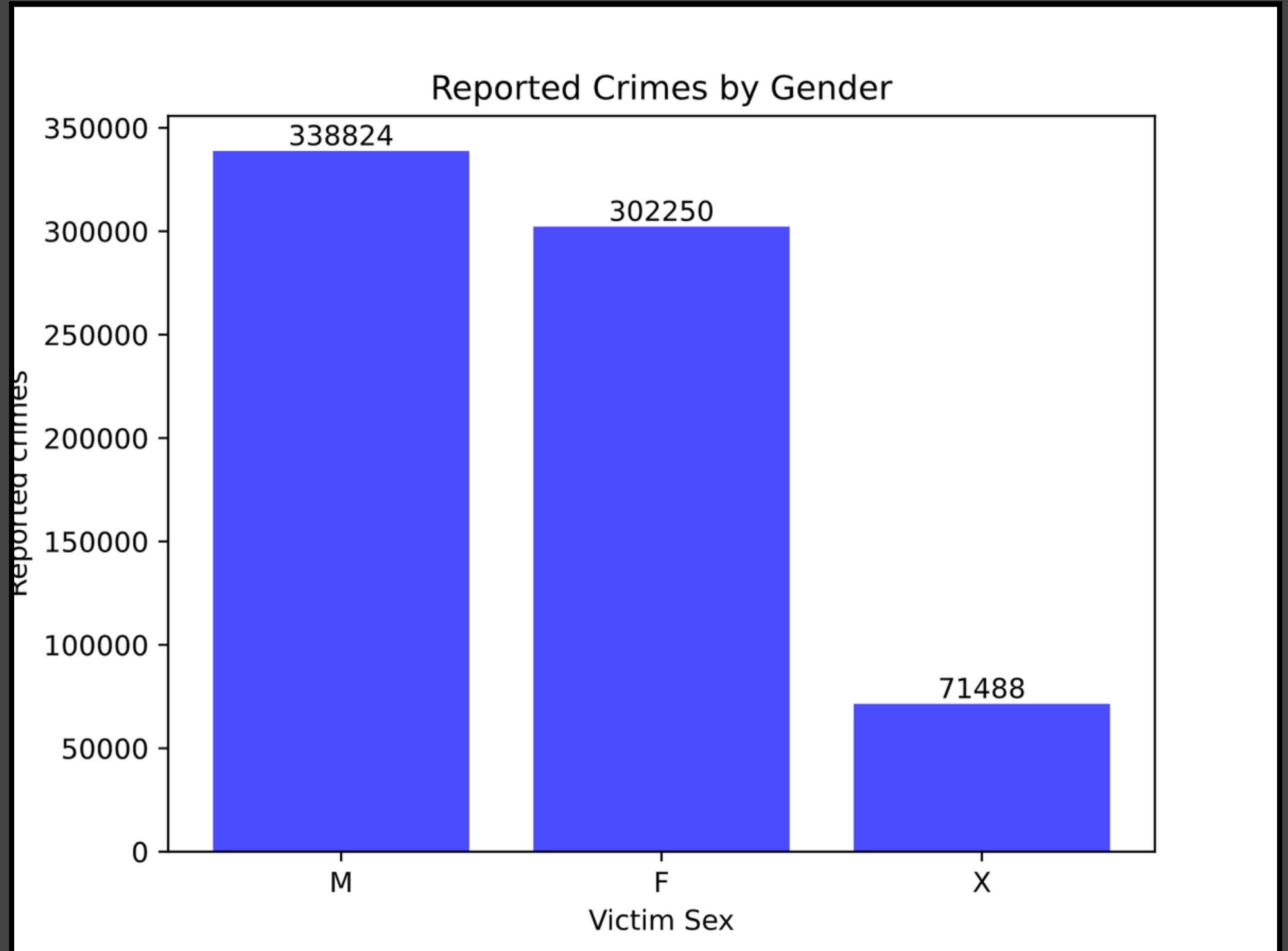
**Is there a correlation between Weather and time vs Number of Crimes?**

**There are more crimes after noon than before noon**

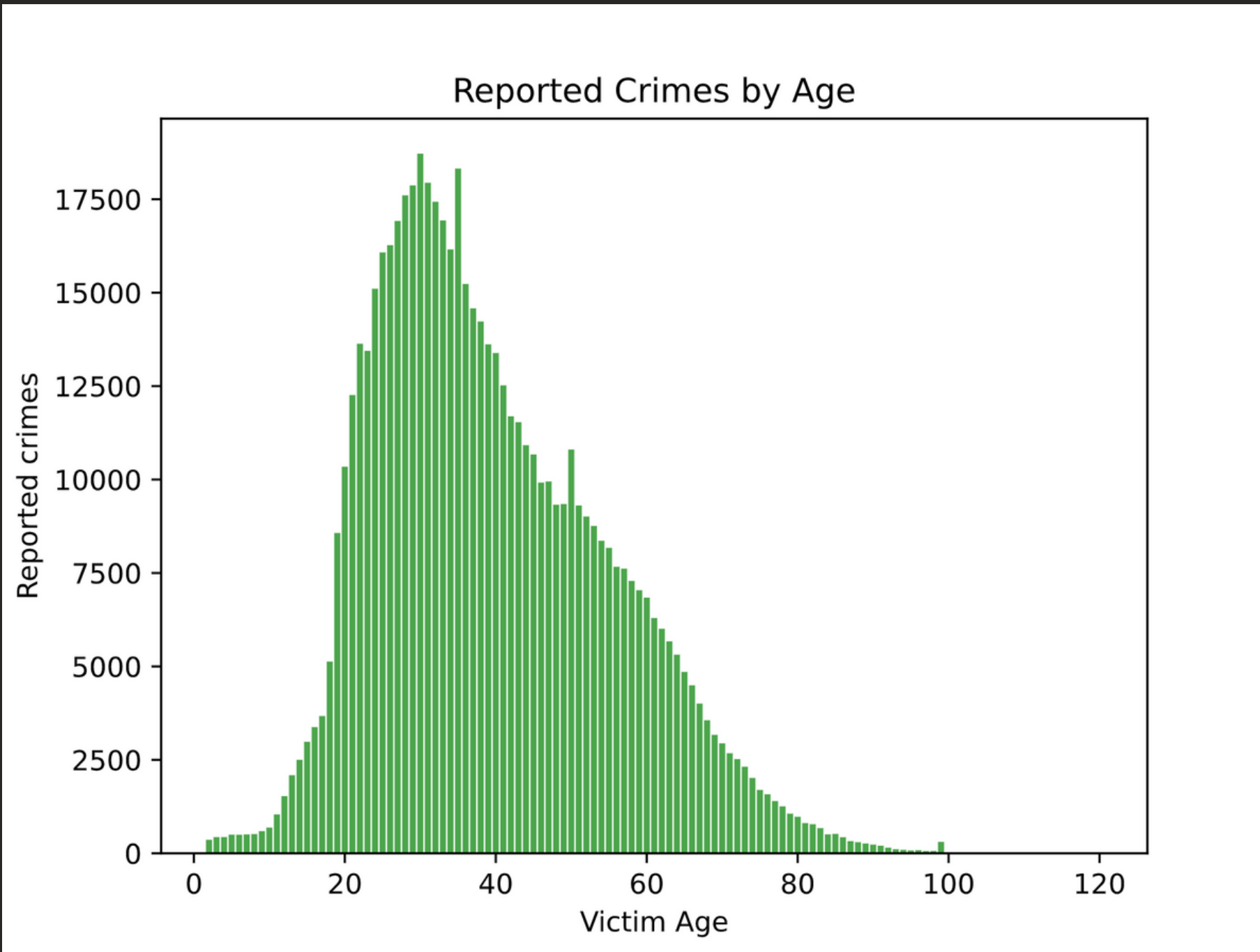
# Profile



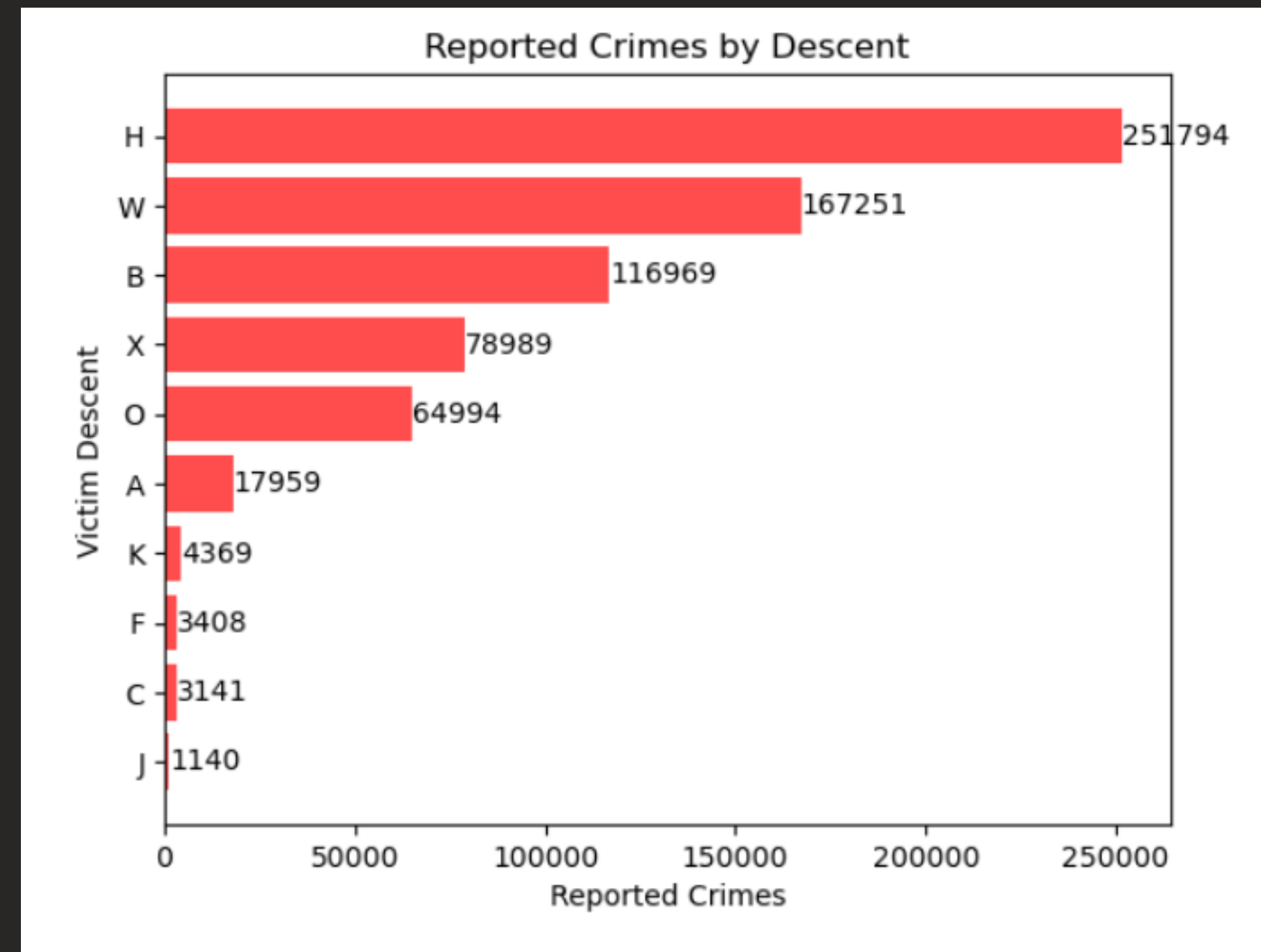
## BY GENDER



## BY AGE



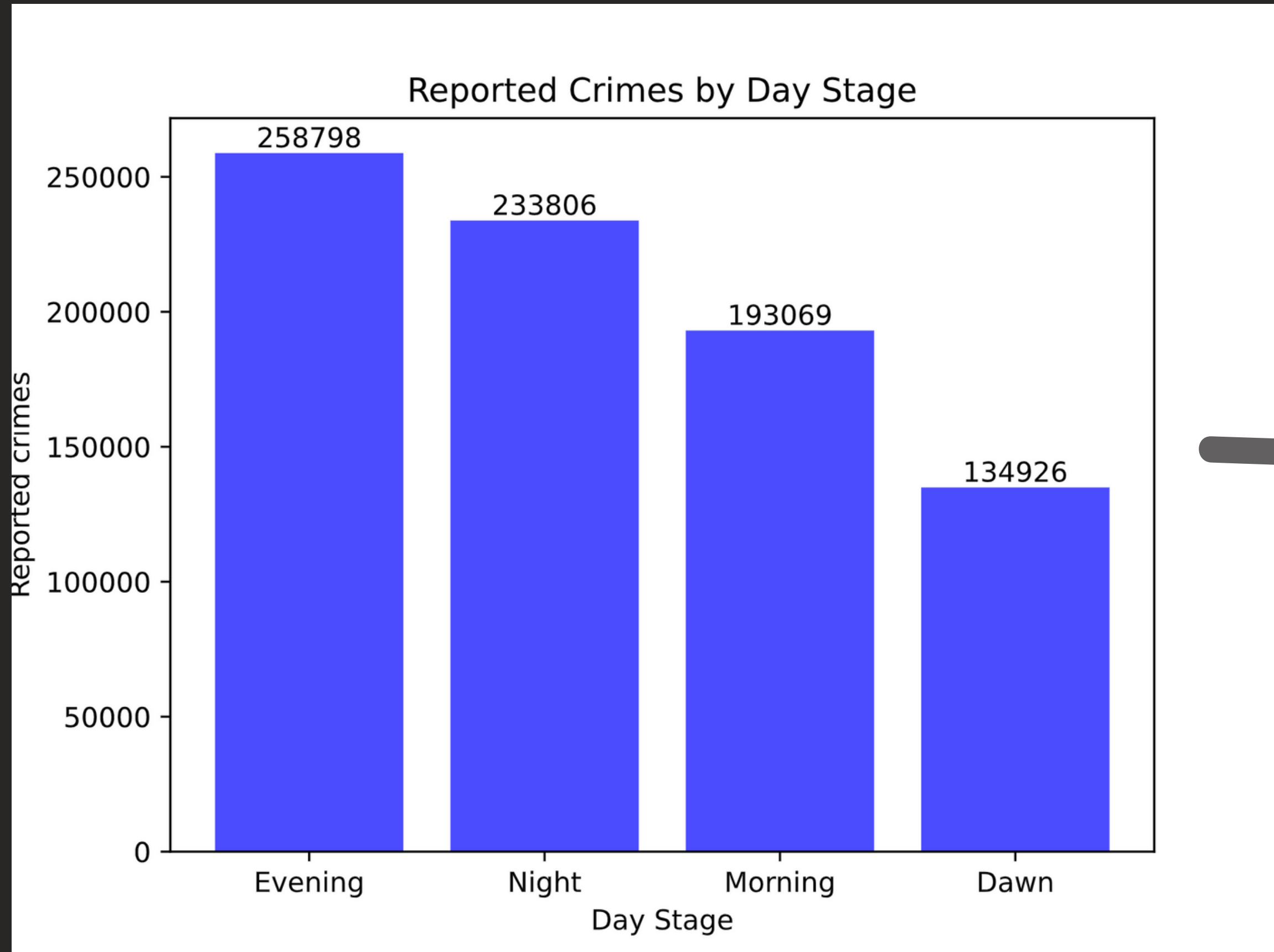
## BY DESCENT



Descent Code: A - Other Asian // B - Black // C - Chinese // F - Filipino //  
H - Hispanic/Latin/Mexican // J - Japanese // K - Korean // O - Other // W - White  
X - Unknown

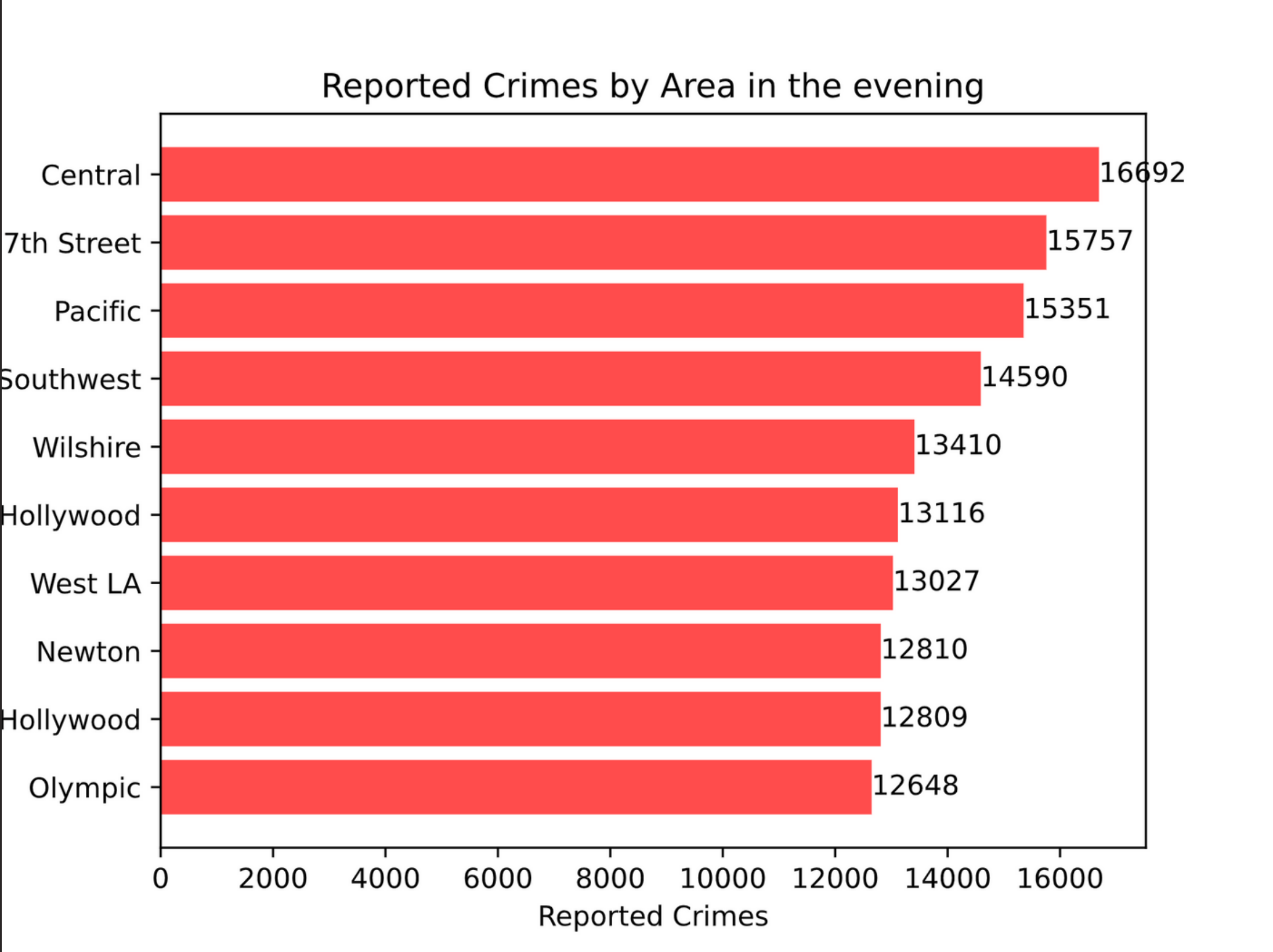
# Daytime

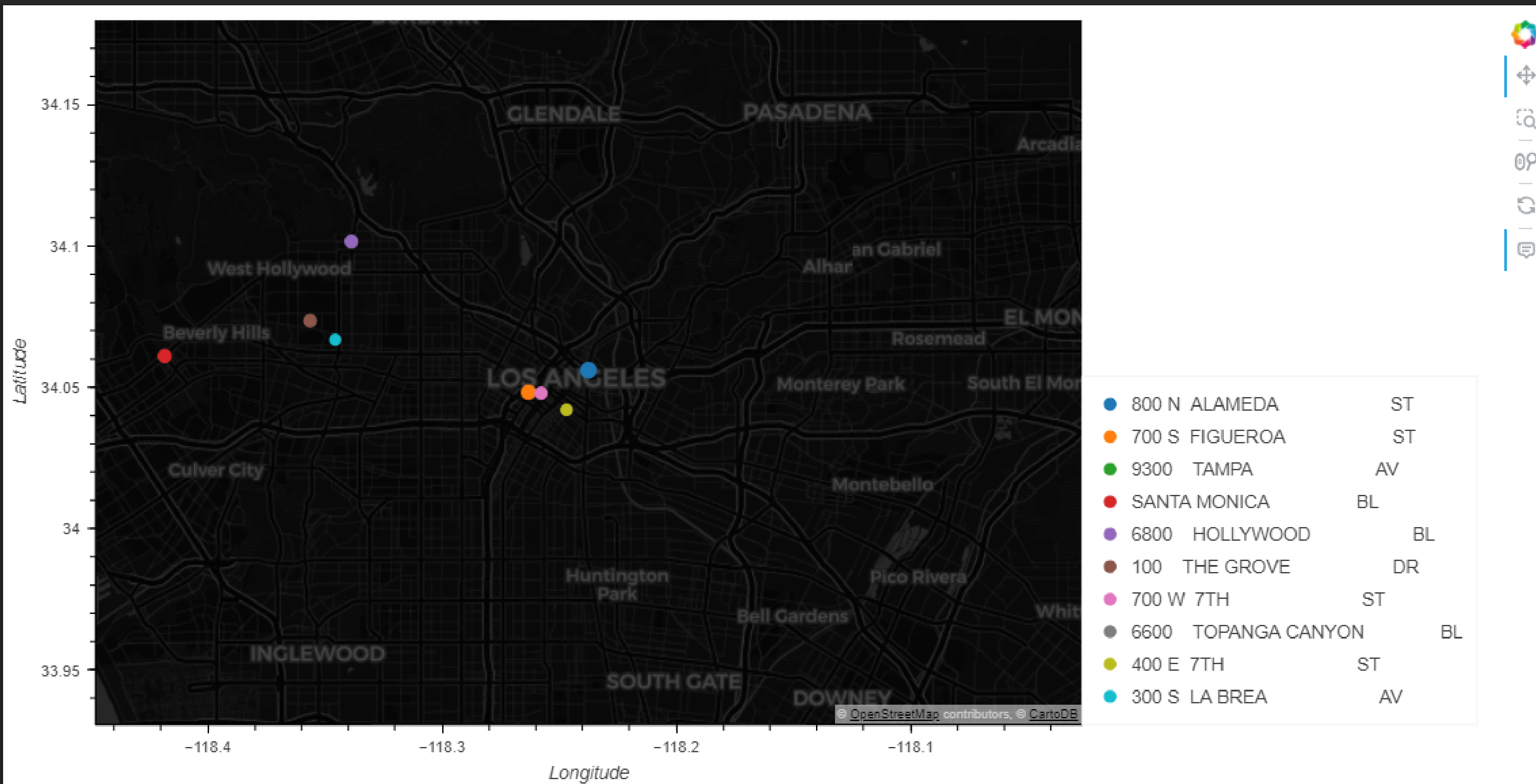
Dawn (00:00 - 05:59)  
Morning (06:00 - 11:59)  
Evening (12:00 - 17:59)  
Night (18:00 - 23:59)





# Area

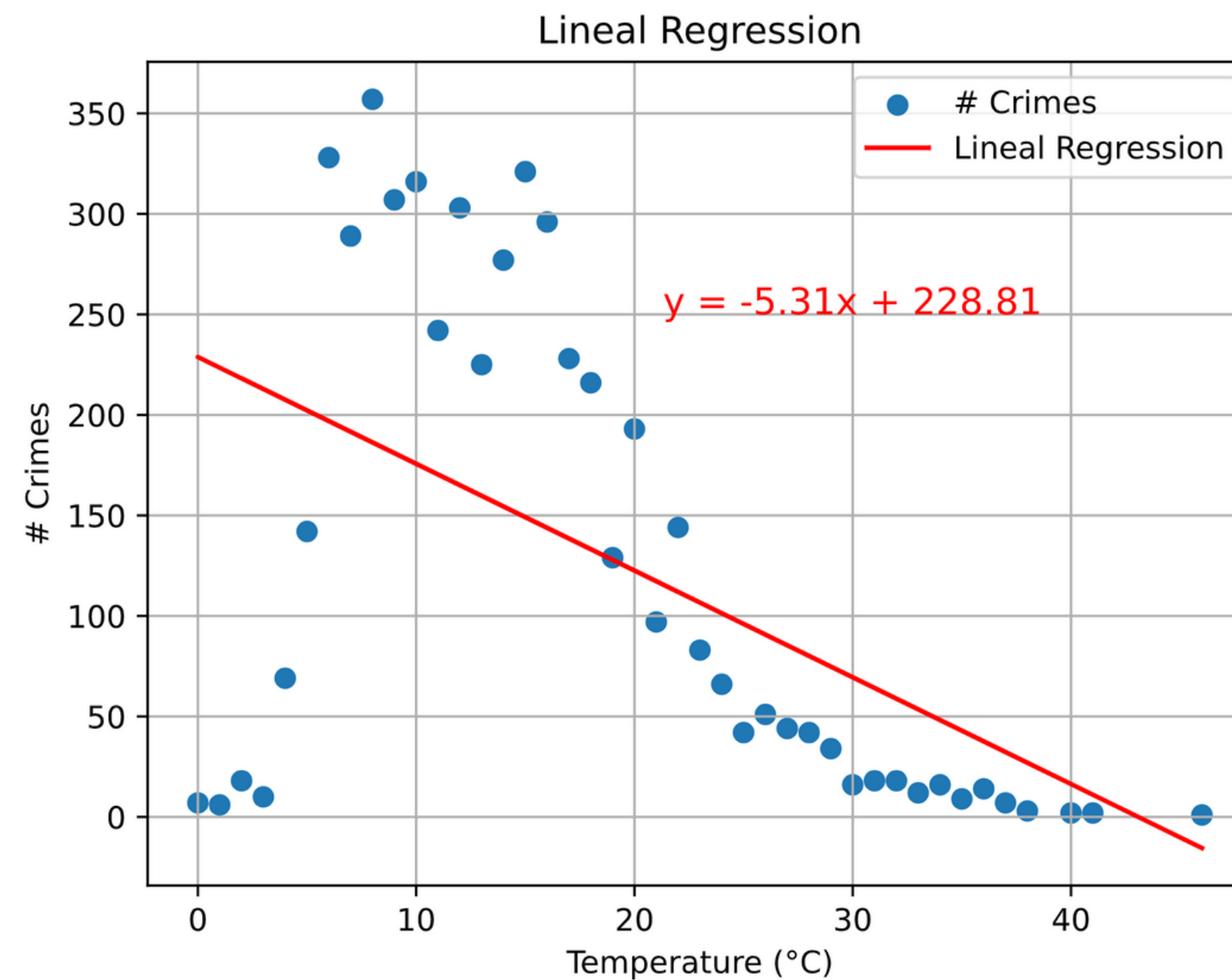
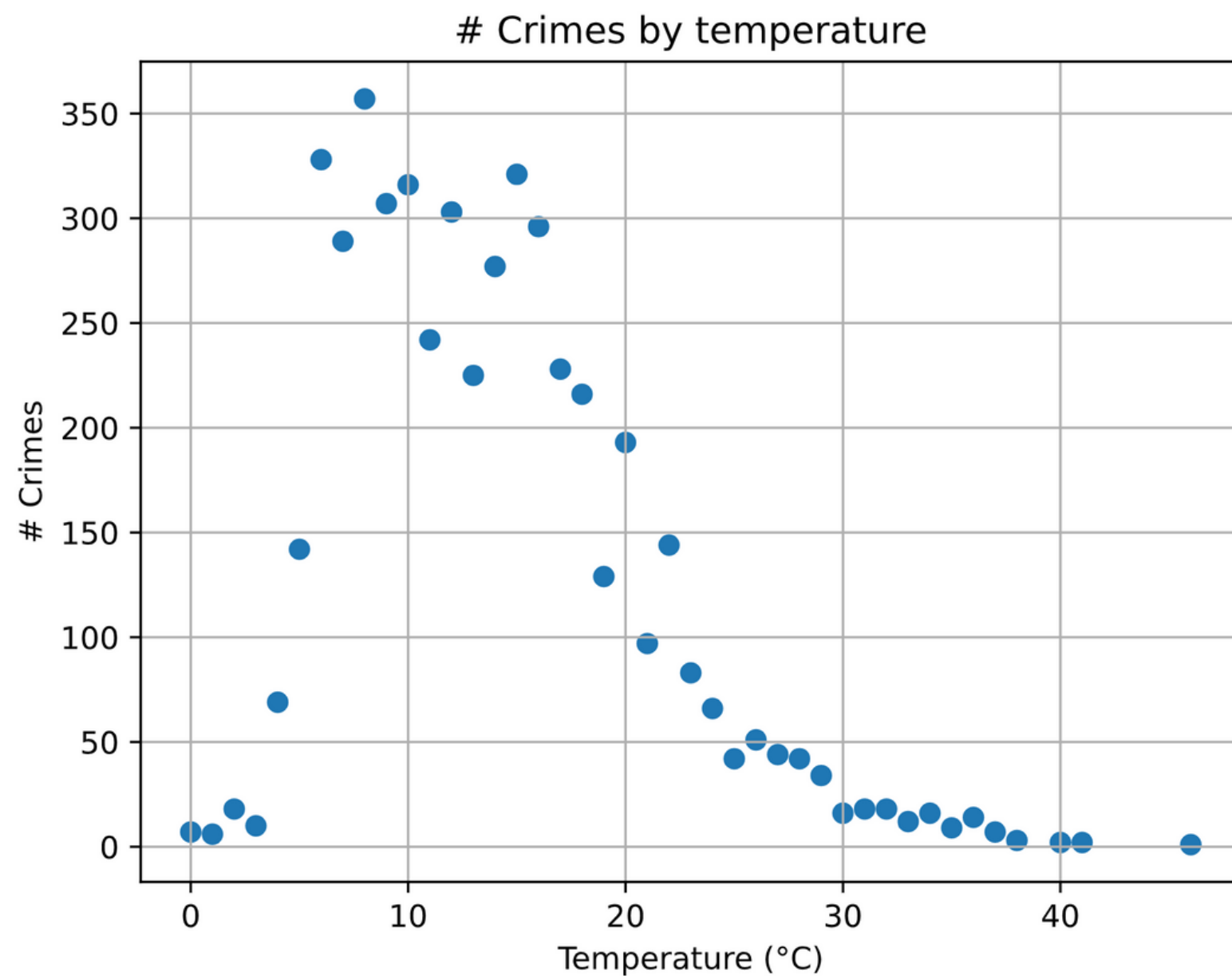




# Correlation

TEMPERATURE

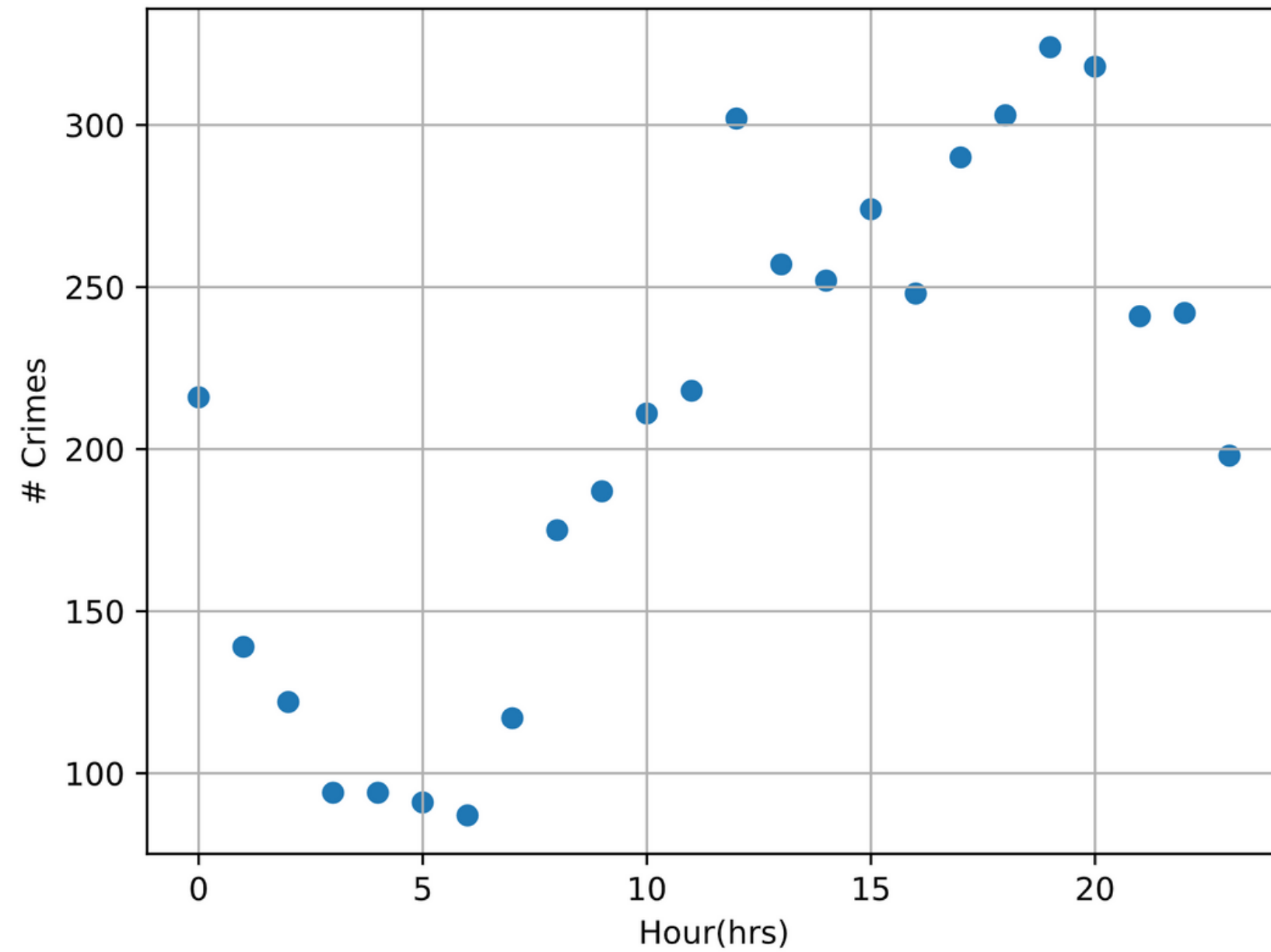
Correlation is:  $r = -0.54$



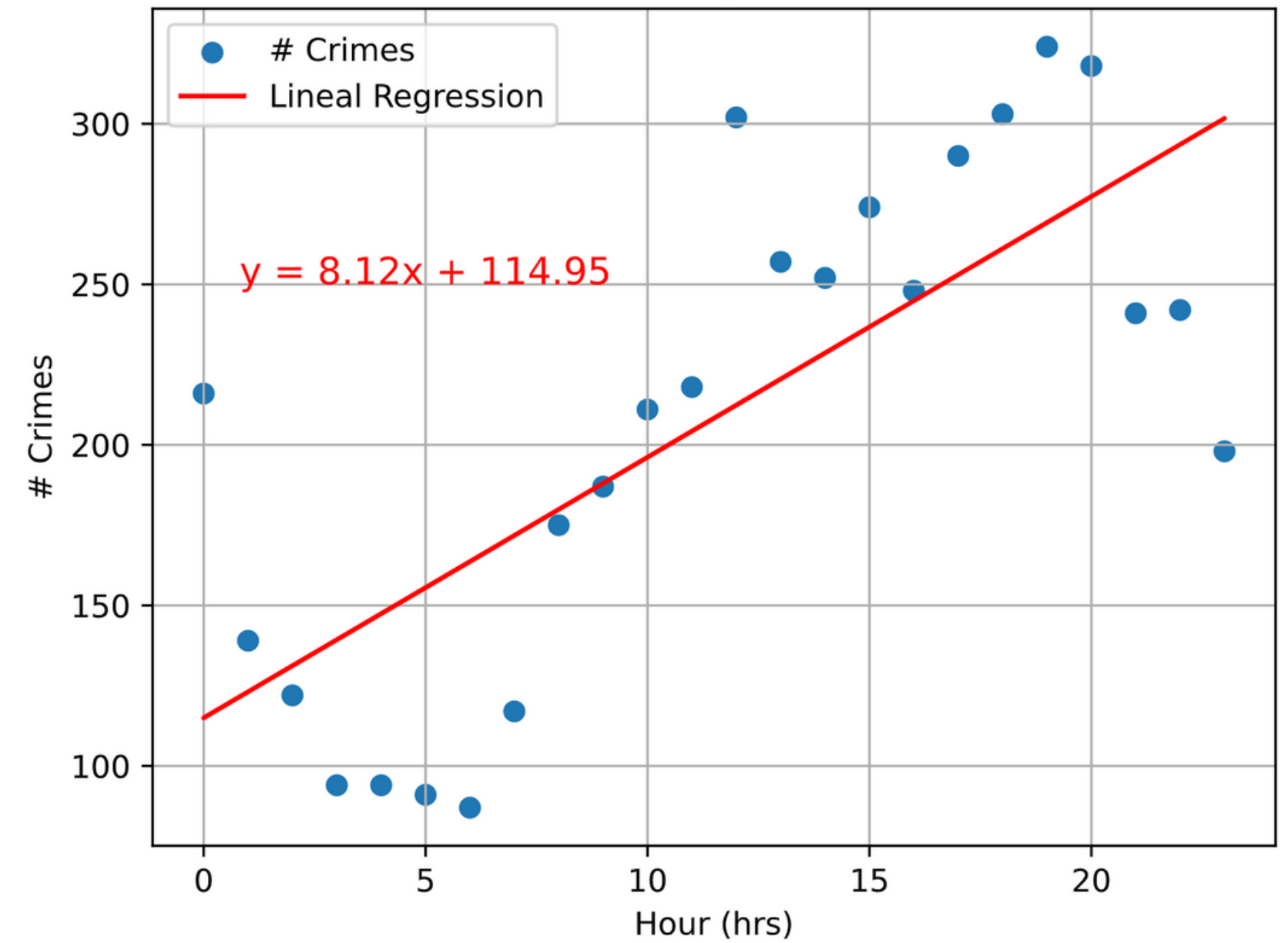
TIME (HOUR)

Correlation is:  $r = 0.744$

# Crimes by hour



Lineal Regression



# Resources

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**Los Angeles Data dating back to 2020**  
**Los Angeles Police Department**

<https://catalog.data.gov/dataset/crime-data-from-2020-to-present/resource/5eb6507e-fa82-4595-a604-023f8a326099>

