



CRIME DATA IN LOS ANGELES

Project 1

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Content



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Overview

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

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?

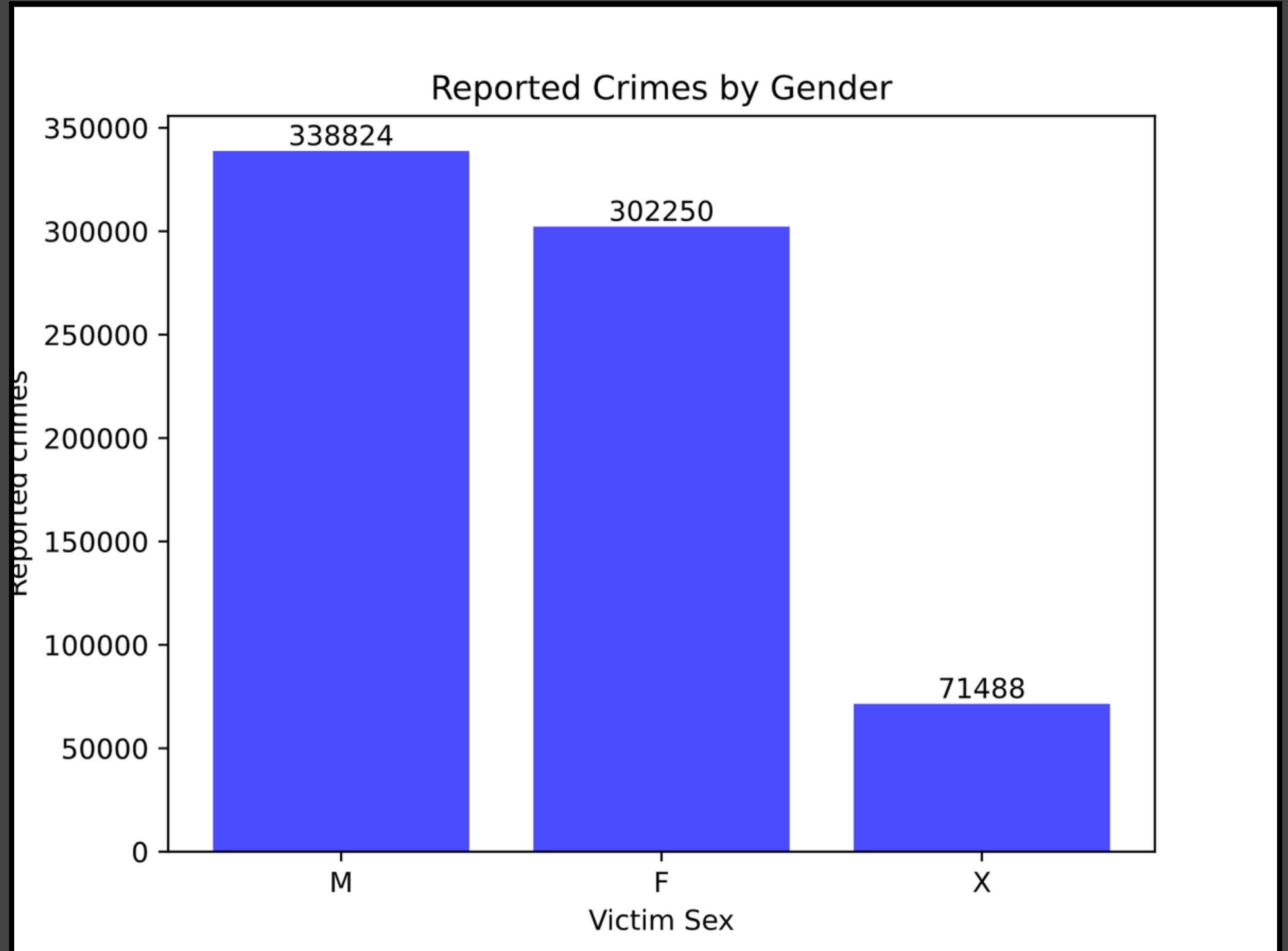
Is there a correlation between Weather and time vs Number of Crimes?

There are more crimes after noon than before noon

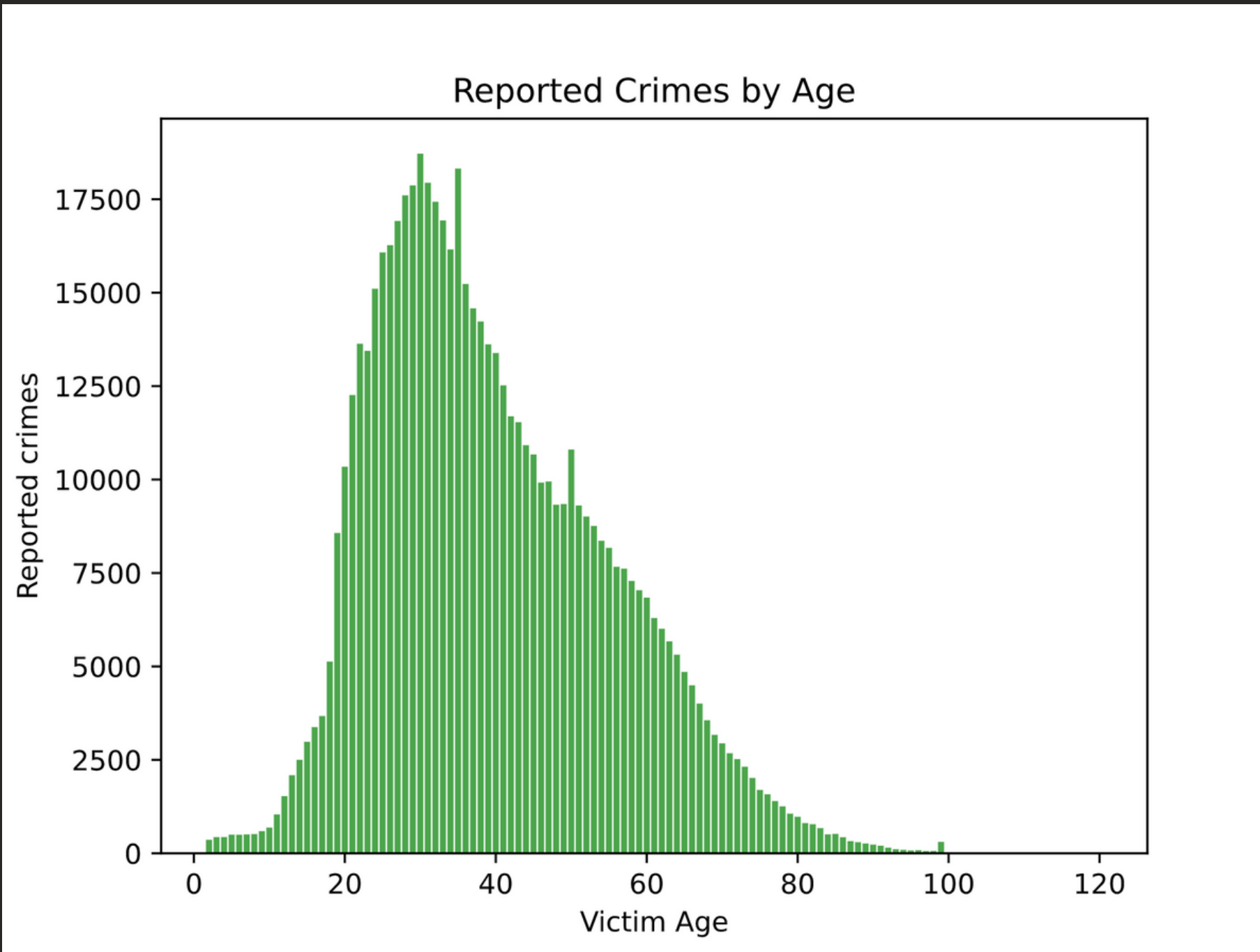
Profile



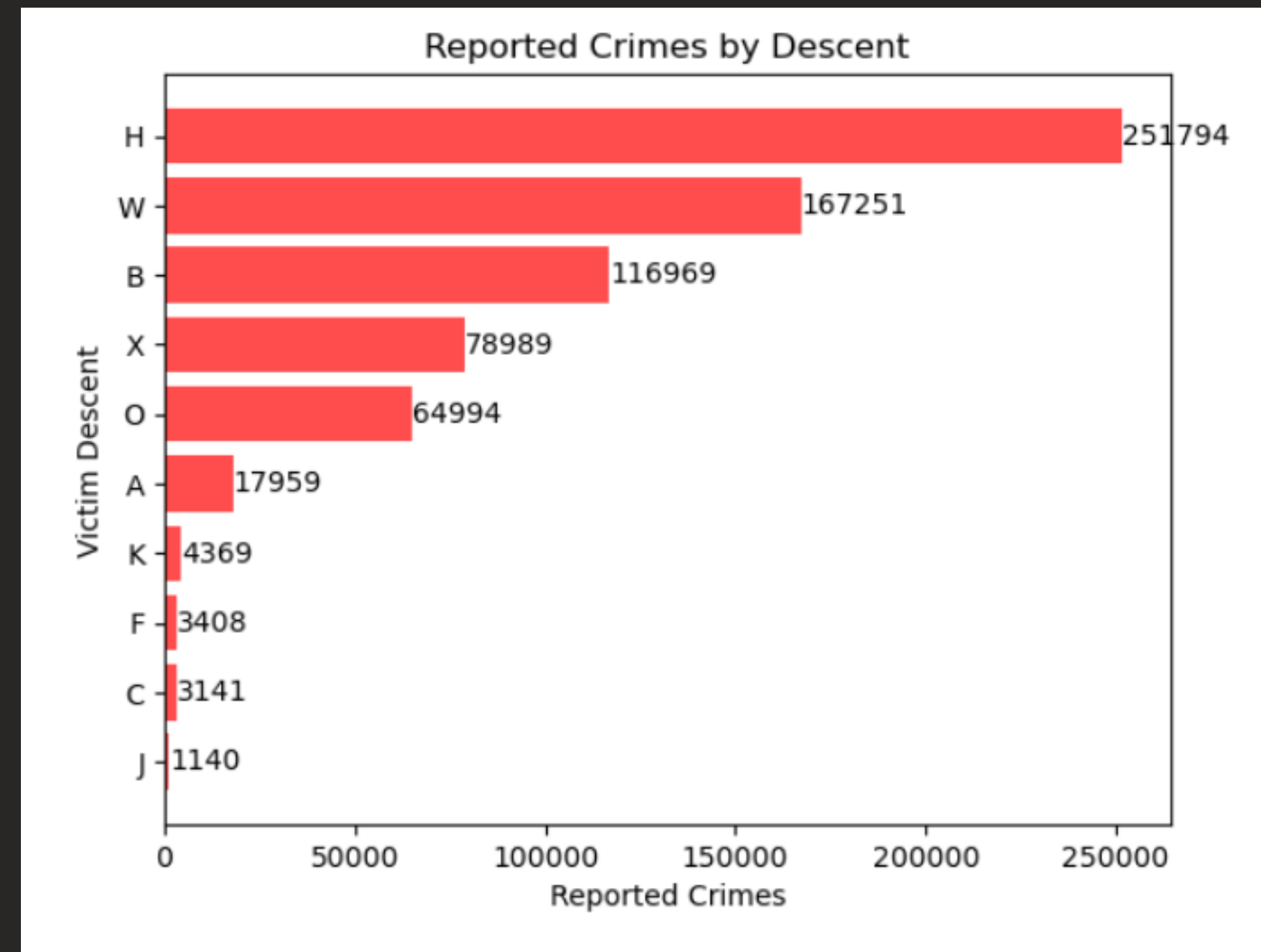
BY GENDER



BY AGE



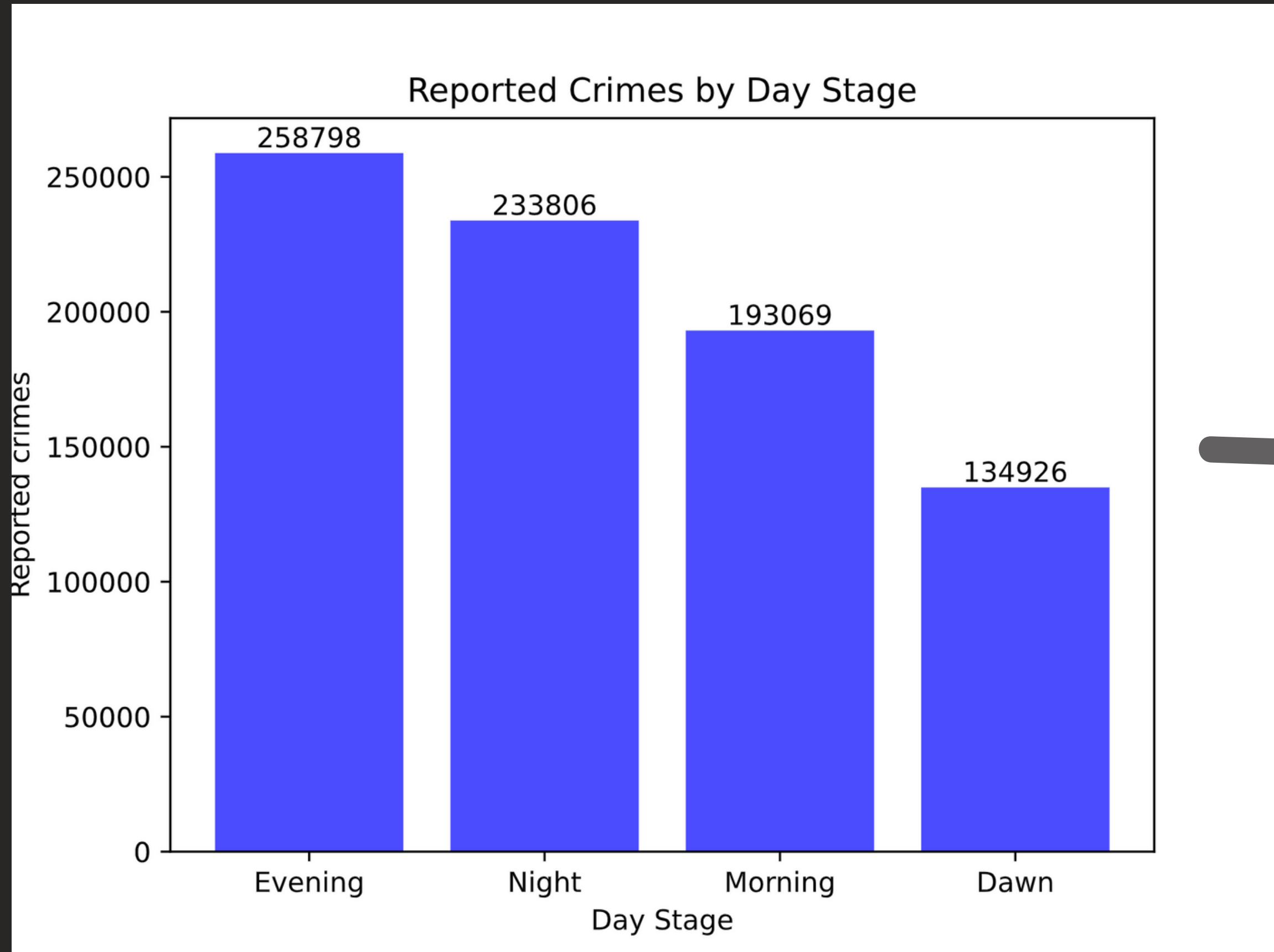
BY DESCENT



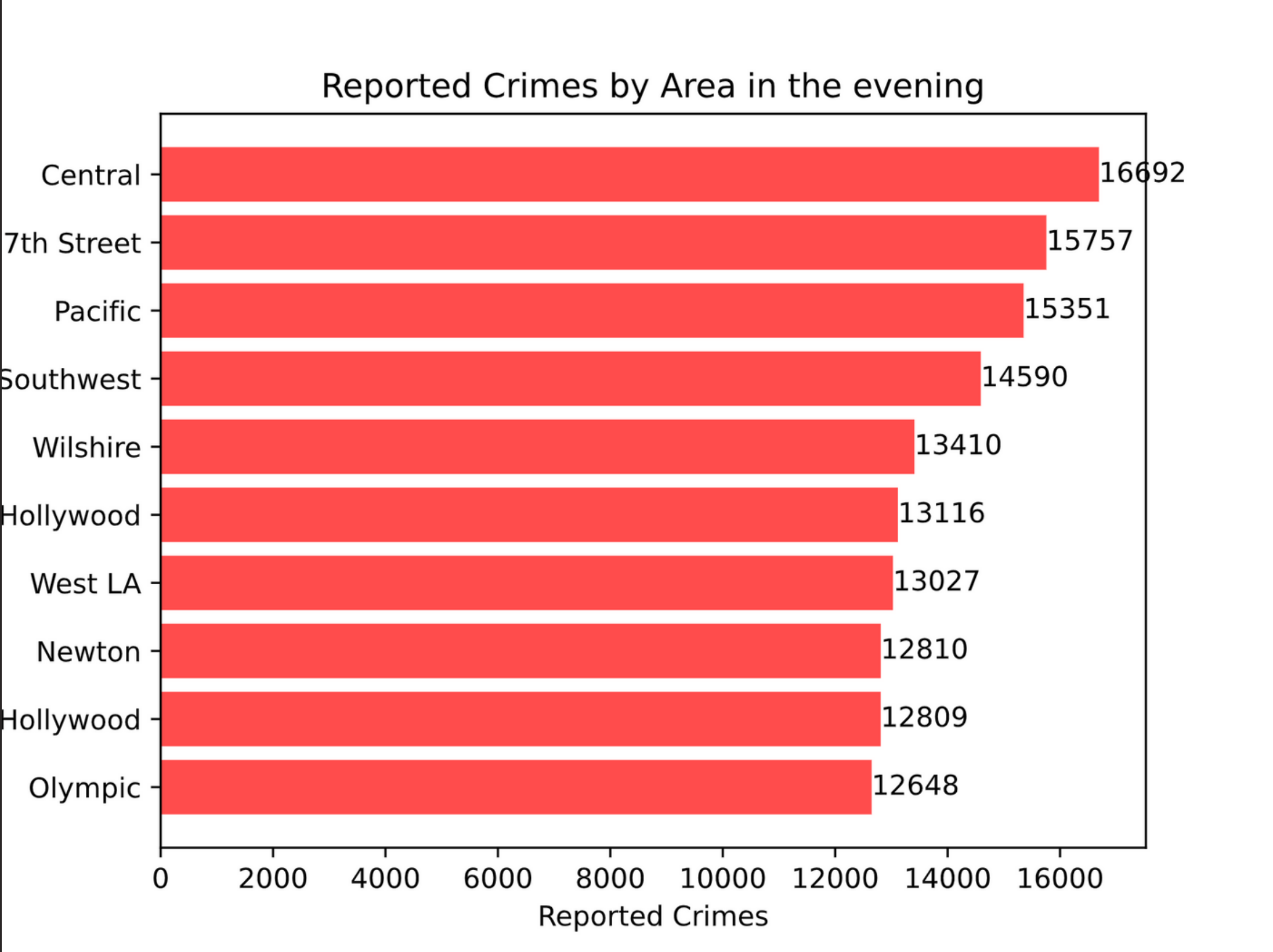
Descent Code: A - Other Asian // B - Black // C - Chinese // F - Filipino //
H - Hispanic/Latin/Mexican // J - Japanese // K - Korean // O - Other // W - White
X - Unknown

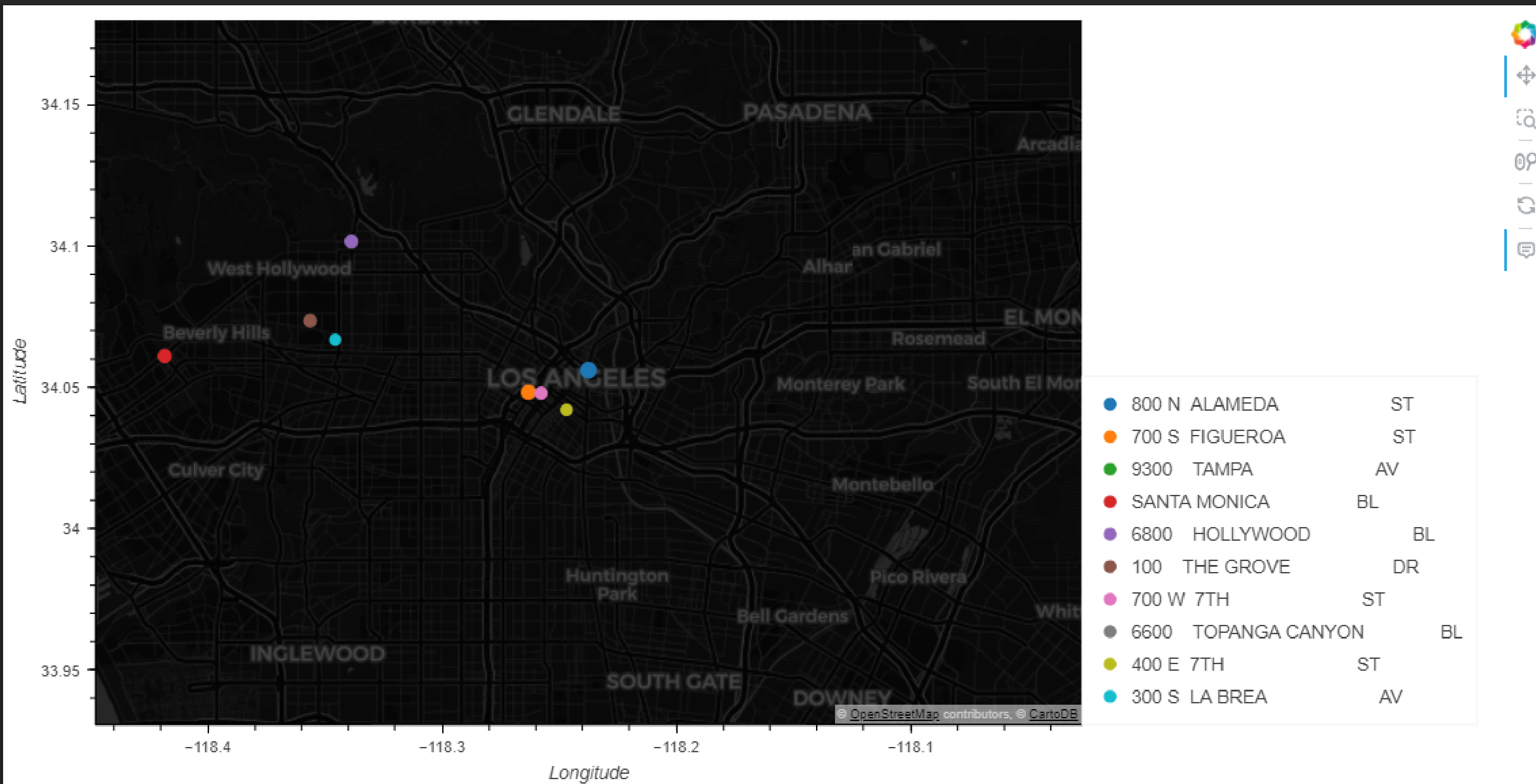
Daytime

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



Area

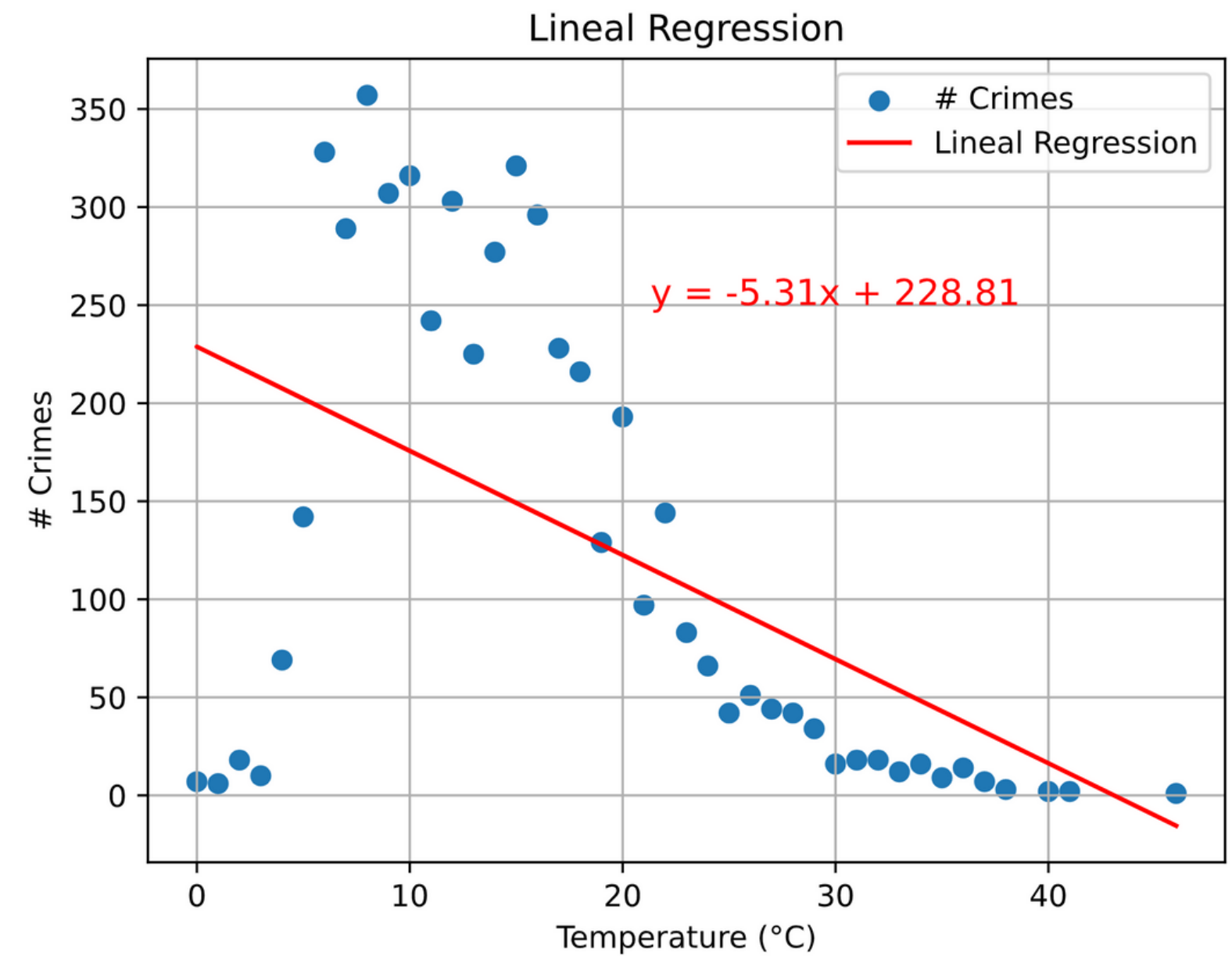
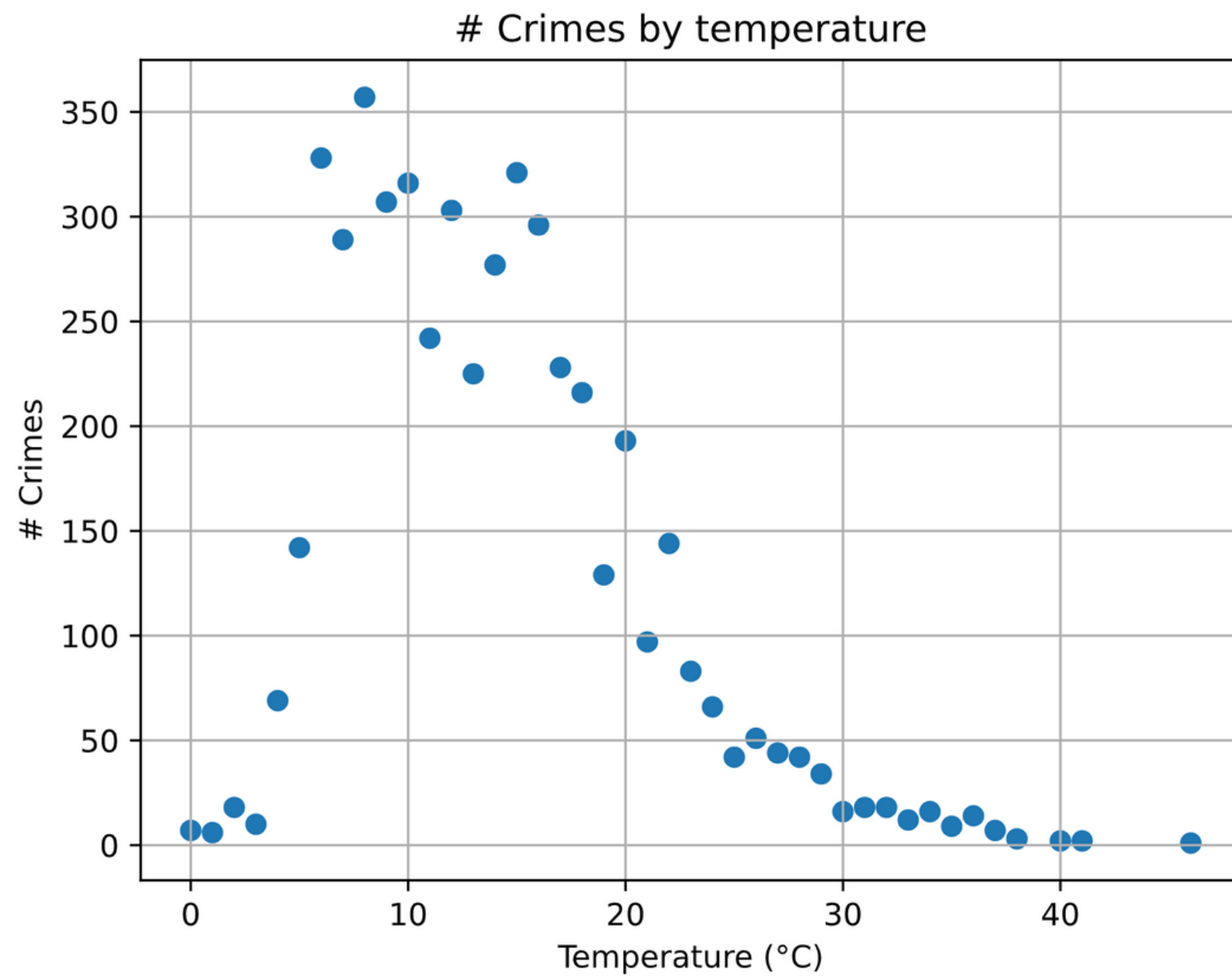




Correlation

WHEATER

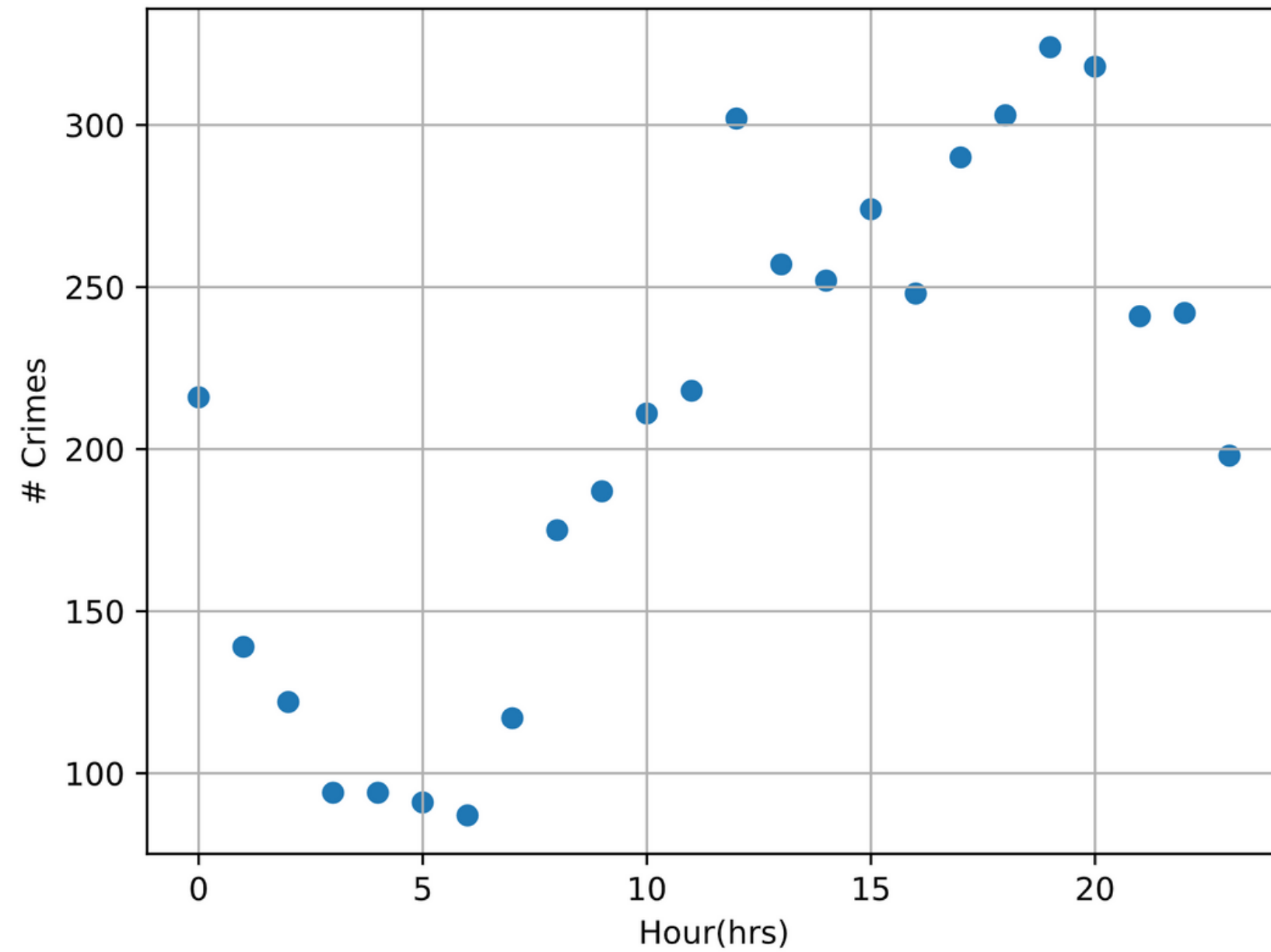
Correlation is: $r = -0.54$



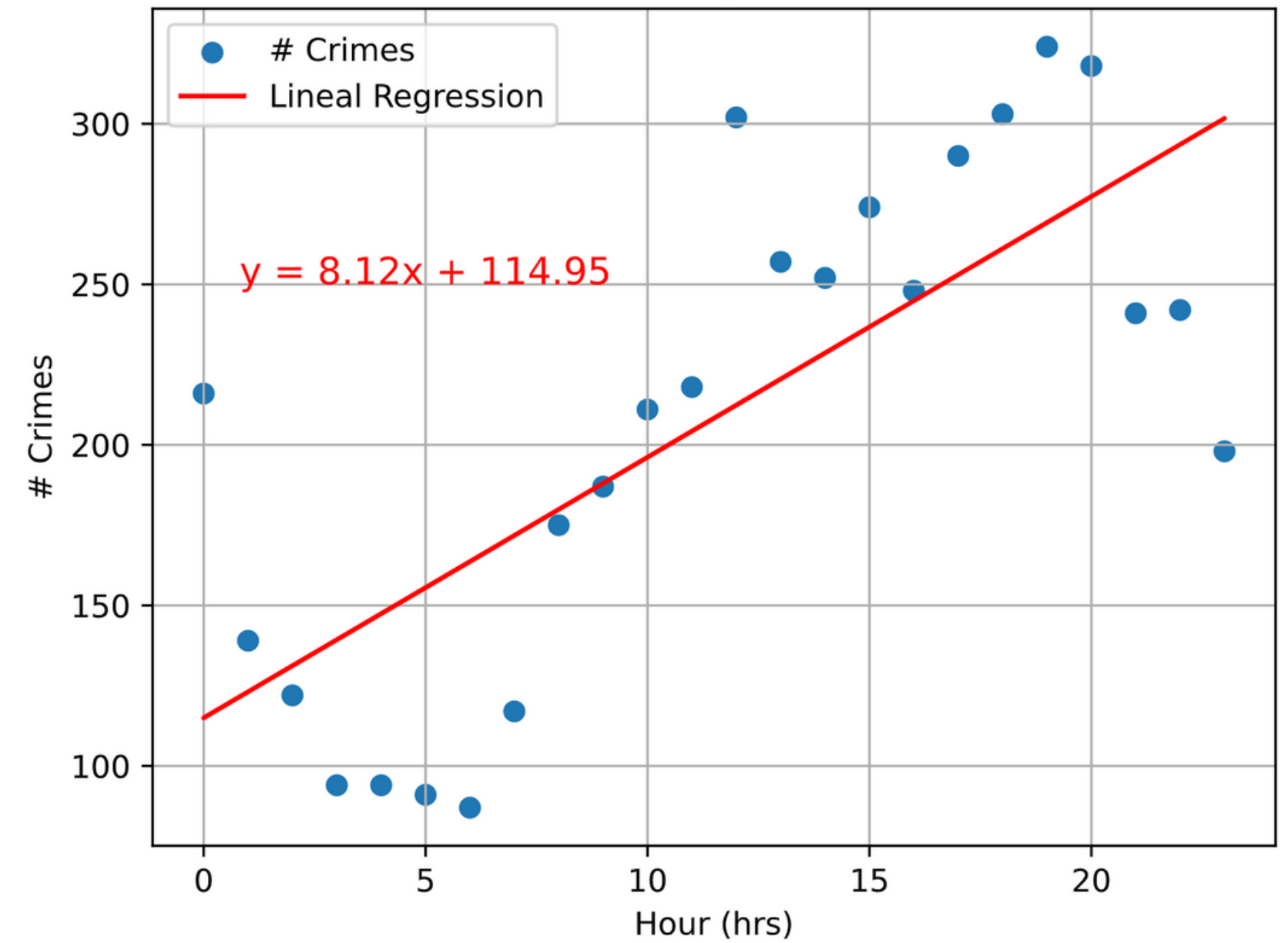
TIME (HOUR)

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>

