

The background features a dark, textured surface with several strips of caution tape. The tape has yellow and black diagonal stripes, and some sections have red and black checkered patterns. The tape is layered and crisscrosses the frame, creating a sense of depth and urgency.

CRIME **IN BATON ROUGE**

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Baton Rouge: A City in Conflict

Key Events in 2016:

July 5

Alton Sterling shooting

Following Days

Protests and arrests of ~200
people

July 17

Attack on police officers

Systemic Challenges

- Lingering effects of systemic racism
- Segregation and income inequality
- Strained police-community relations

Our Focus

Exploring crime data in three dimensions:

1. Geography: Where is crime most prevalent?
2. Time: How has crime changed over time?
3. Systemic Analysis: Where is data missing?





DATASET DESCRIPTION



Baton Rouge Police

Crime Incidents
1/1/2021 - 7/16/2024



Baton Rouge Legacy

Crime Incidents
1/1/2011 - 12/31/2020



East Baton Rouge Parish

Combined crime incidents for
city and parish
1/1/2021 - 7/16/2024



NOAA Weather

Weather data for Baton
Rouge metropolitan area
1/1/2011 - 7/19/2024

DATA CLEANING PROCESS



Baton Rouge

Combined legacy and
current datasets



East Baton Rouge Parish

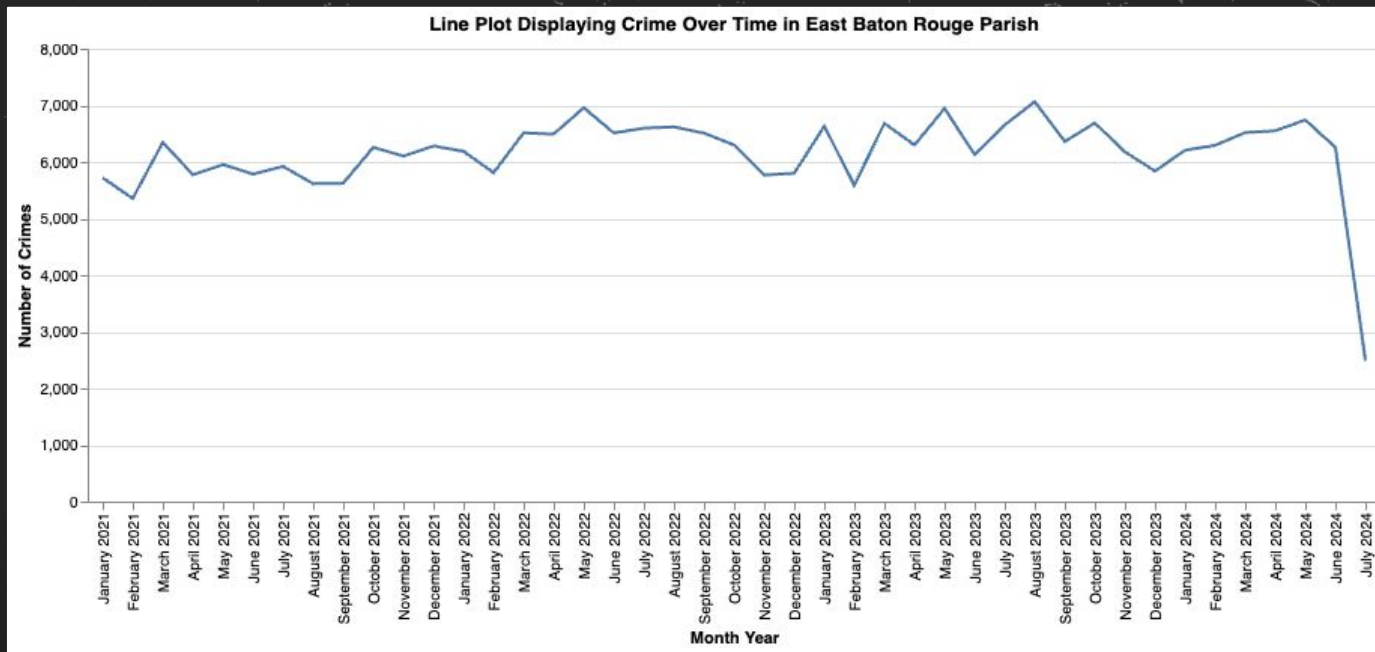
Dropped specific location
data
Corrected misspellings



Weather

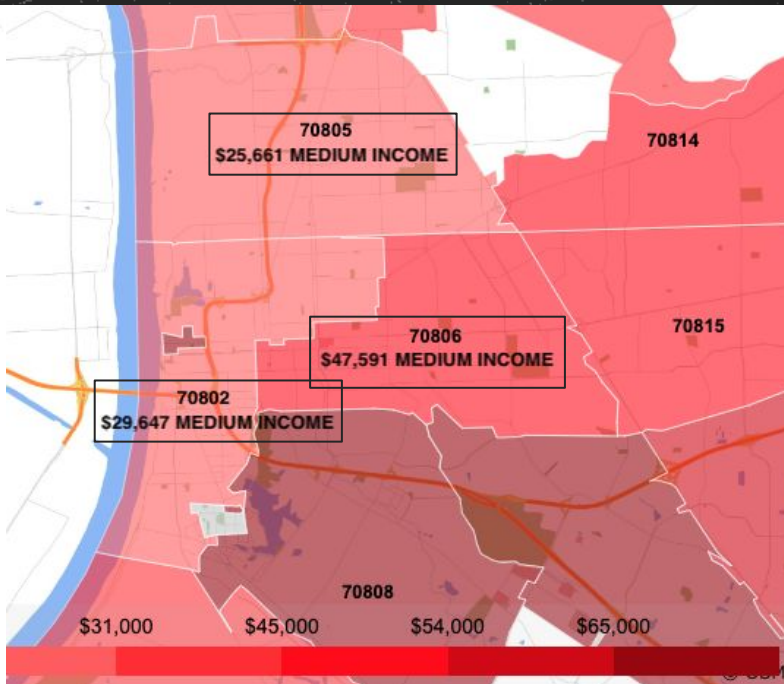
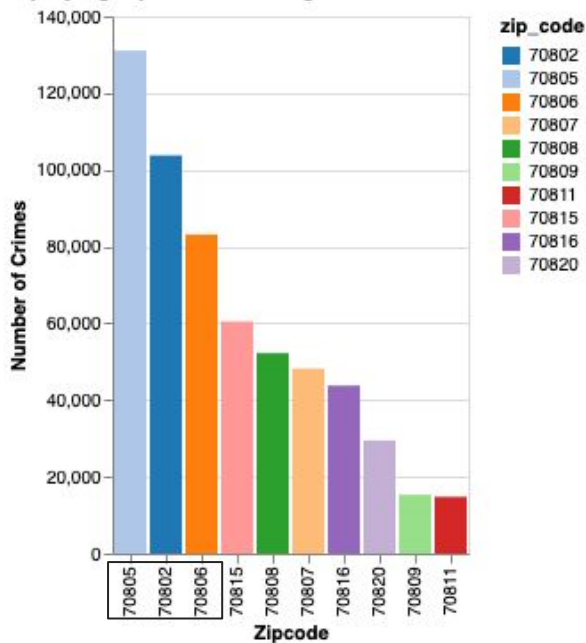
Decoded and renamed
columns

OVERALL TRENDS

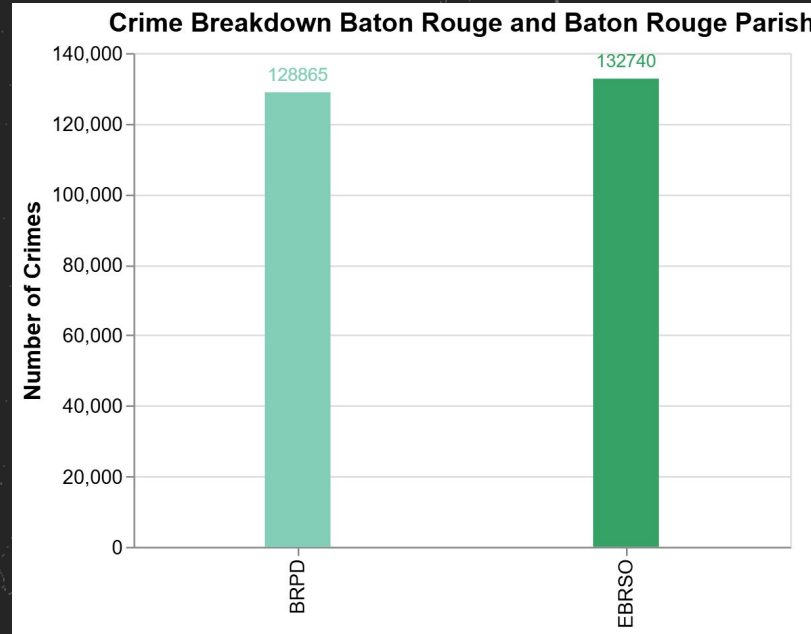


Geographical Analysis of Crime in Baton Rouge

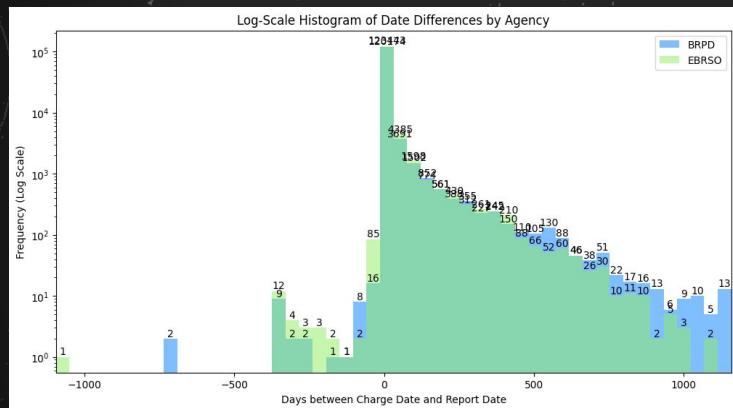
Bar Plot Displaying Zipcodes with Highest Crime Rates in Baton Rouge



Systemic Analysis: Agency Reporting



Systemic Analysis: Charge Date vs. Report Date



Log-Scale

Due to huge dataset

Negative Values

(Report filed before incident charged)

~7,000

Cases

<1 minute discrepancy

3,400

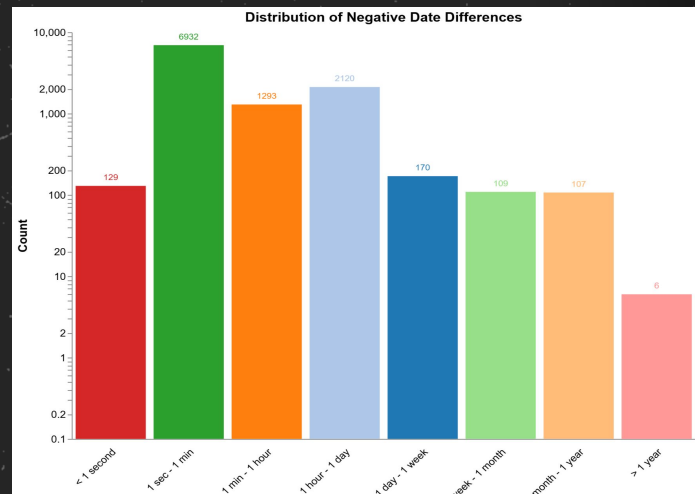
Cases

1 minute to 1 day
discrepancy

~390

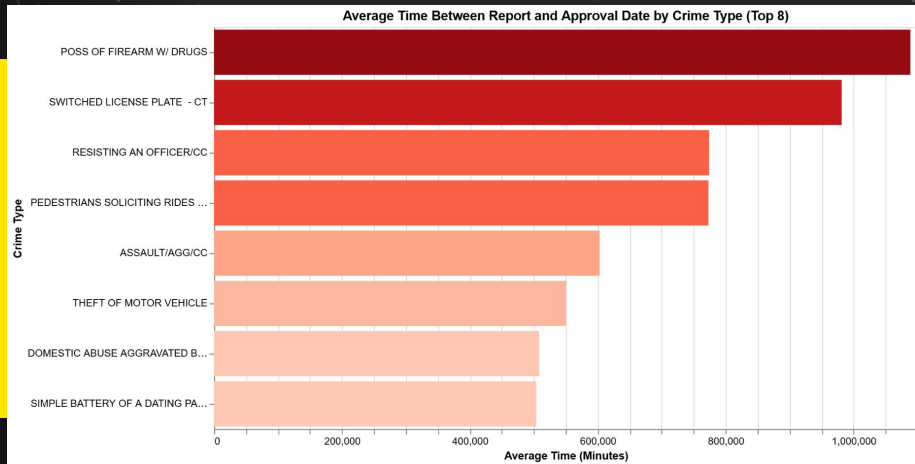
Cases

Larger Discrepancy
(data entry?)

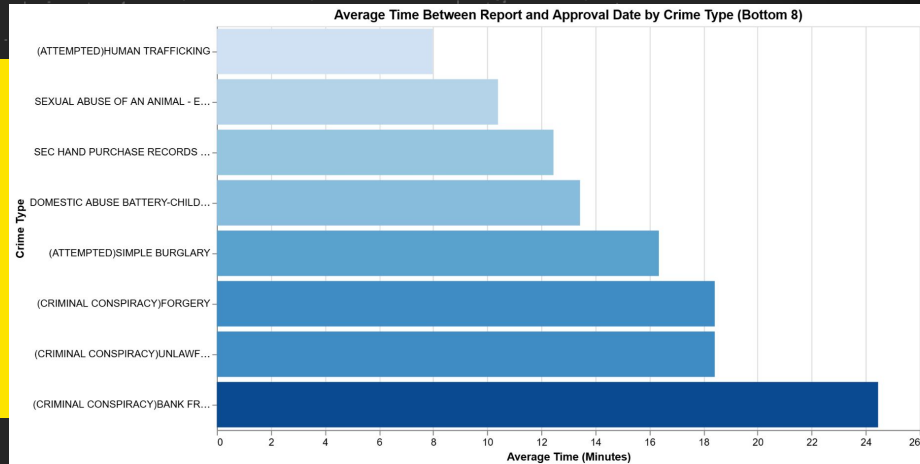


Systemic Analysis: Report Approval Delays

Top Delays by Crime Type



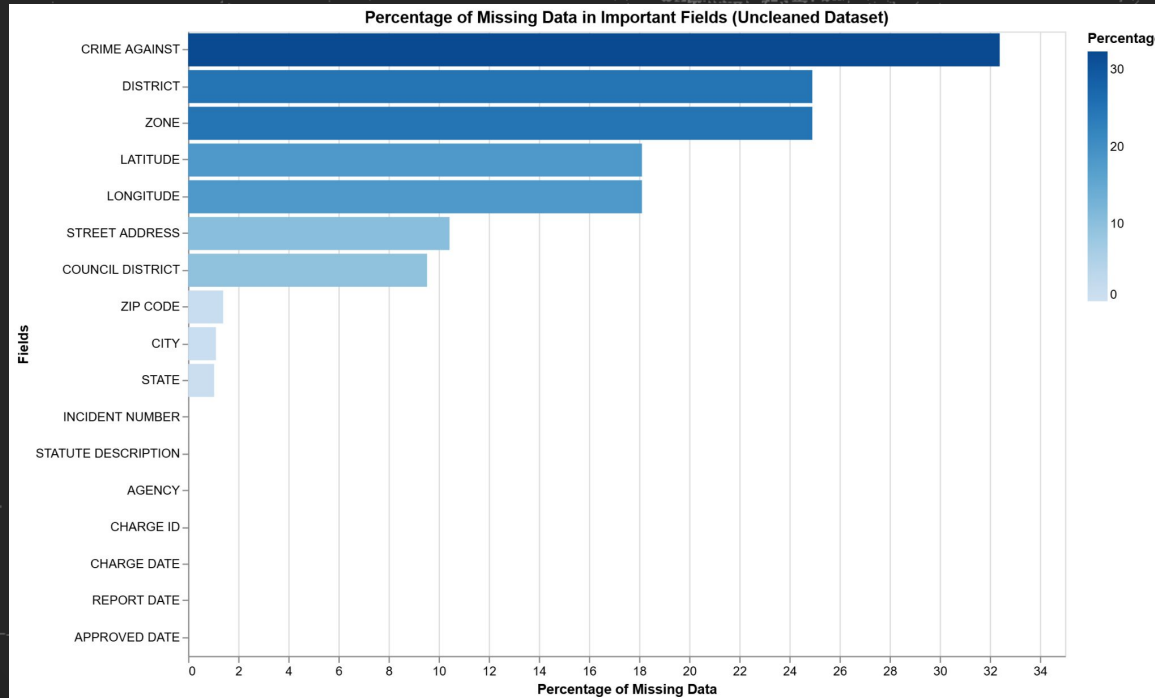
Lowest Delays by Crime Type



Top Delay by District: District 1 .

Average delay = 38 days

Systemic Analysis: Missing Data



POPULAR CRIMES

BATON ROUGE

OTHER

140,300 crimes
23%



THEFT

137,362 thefts
22.6%

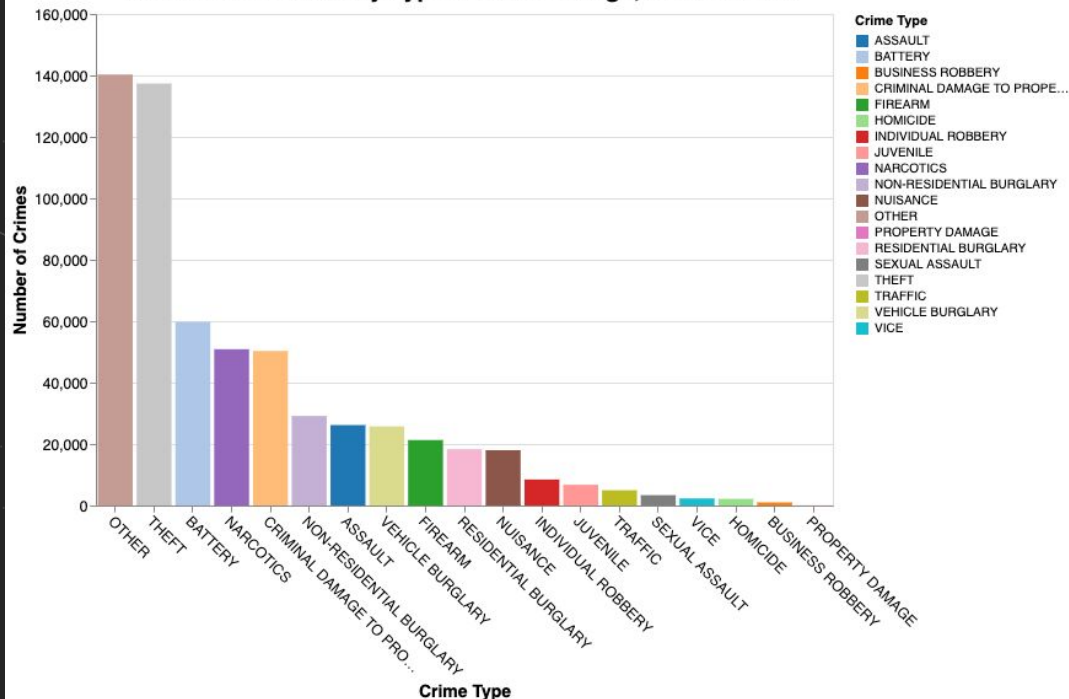


BATTERY

59,757 batteries
9.8%



Crimes Committed by Type in Baton Rouge, 2011-Present



POPULAR CRIMES

EAST BATON ROUGE

OTHER

77,483 crimes
30.6%



THEFT

53,604 thefts
21.2%

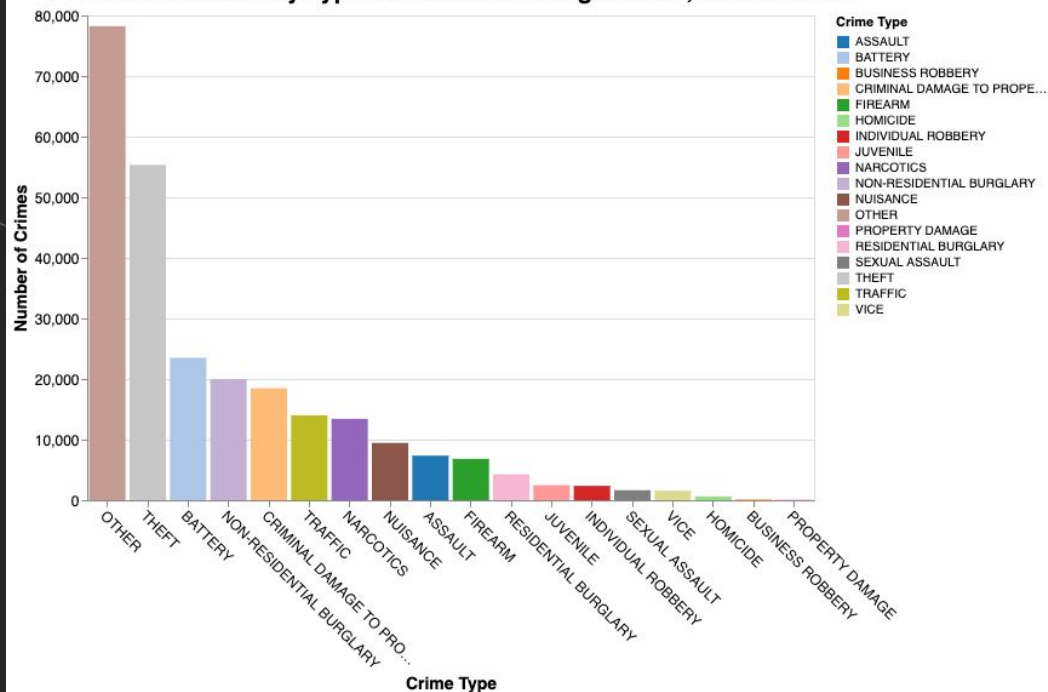


BATTERY

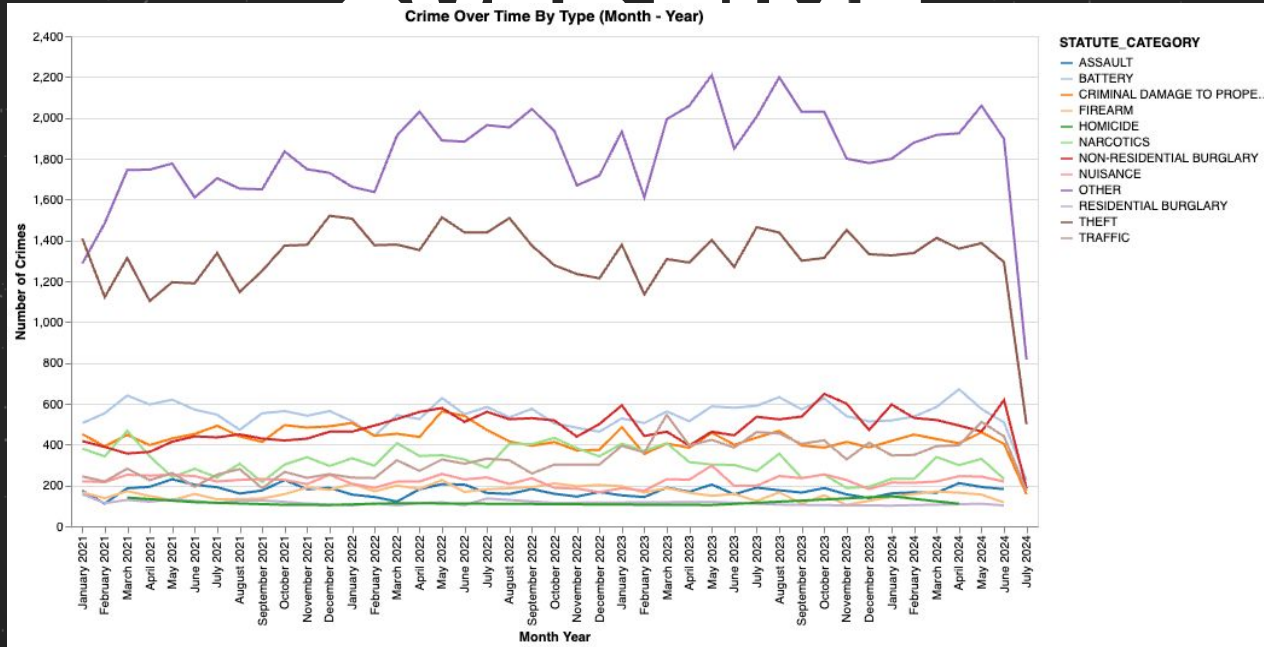
22,616 batteries
8.9%



Crimes Committed by Type in East Baton Rouge Parish, 2021-Present



TYPES OF CRIME



"OTHER" CRIMES

MARS

Mars is actually a very cold
place



MERCURY

Mercury is the closest
planet to the Sun



VENUS

This planet has extremely
high temperatures



*What Makes Up
the 'OTHER'
Crime Category?*

COMMITTED CRIMES

MARS

Mars is actually a very cold
place



MERCURY

Mercury is the closest
planet to the Sun



VENUS

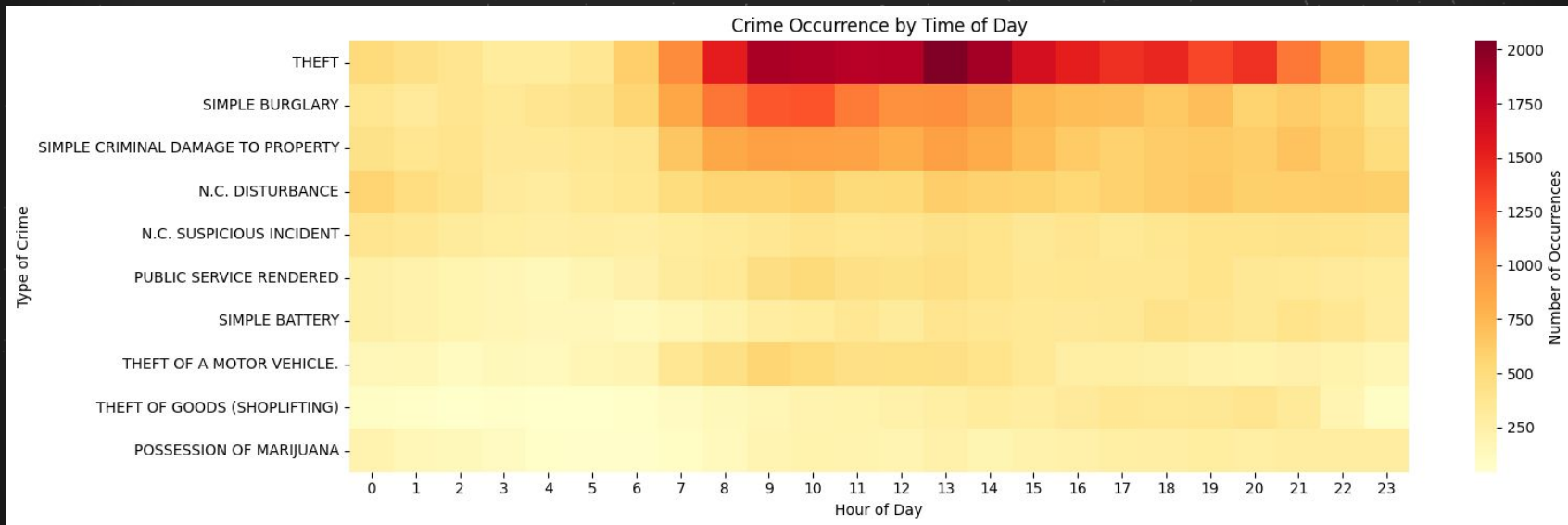
This planet has extremely
high temperatures



*How many crimes
were attempted vs
committed?*

CRIME OCCURRENCE

By Time of Day



31.4%
Afternoon

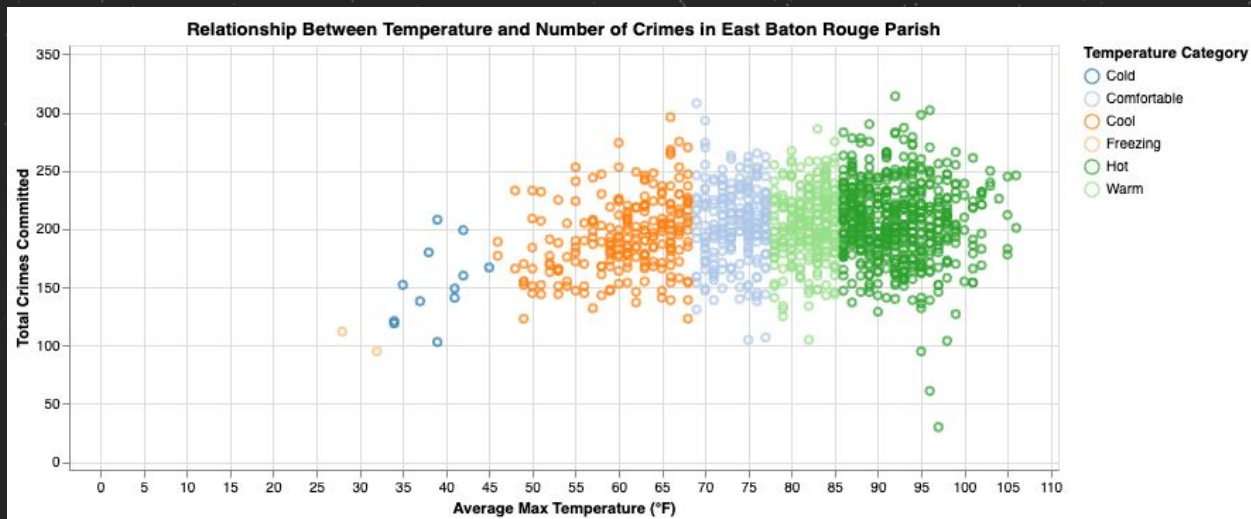
29.0%
Morning

25.9%
Evening

13.7%
Afternoon

CRIME OCCURRENCE

By Weather



CONCLUSION & SUMMARY

MAJOR FINDINGS:

- Increasing overall crime rates in East Baton Rouge Parish
- "OTHER" and theft are most common crimes
- Most crimes occur during daylight hours
- Temperature correlates with crime rates
- Systemic delays in crime reporting and processing

FUTURE RESEARCH:

- Analyze "OTHER" category in depth
- Investigate crime reporting vs. occurrence timing
- Study long-term weather effects on crime
- Examine police response times and prevention strategies