

# **Crime and Unemployment: Any Correlation- The Case of Nashville, TN, Louisville, KY and Birmingham AL**

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# Driving Questions

- What are the most common types of crimes reported in each of the three cities, and how do they compare?
- How do the rates of violent crimes, such as vehicle theft and aggravated assault, compare across the three cities, does the LMPD beat count influence the crime rate?
- Does the location influence the crime rate?

# Why Unemployment and Crime Data?

- 37210 Zip code and Graduate School
- provide valuable insights into the patterns, trends, and factors influencing criminal activities in various regions.
- diverse demographic profiles
- distinct geographic locations.
- the South of the United States,

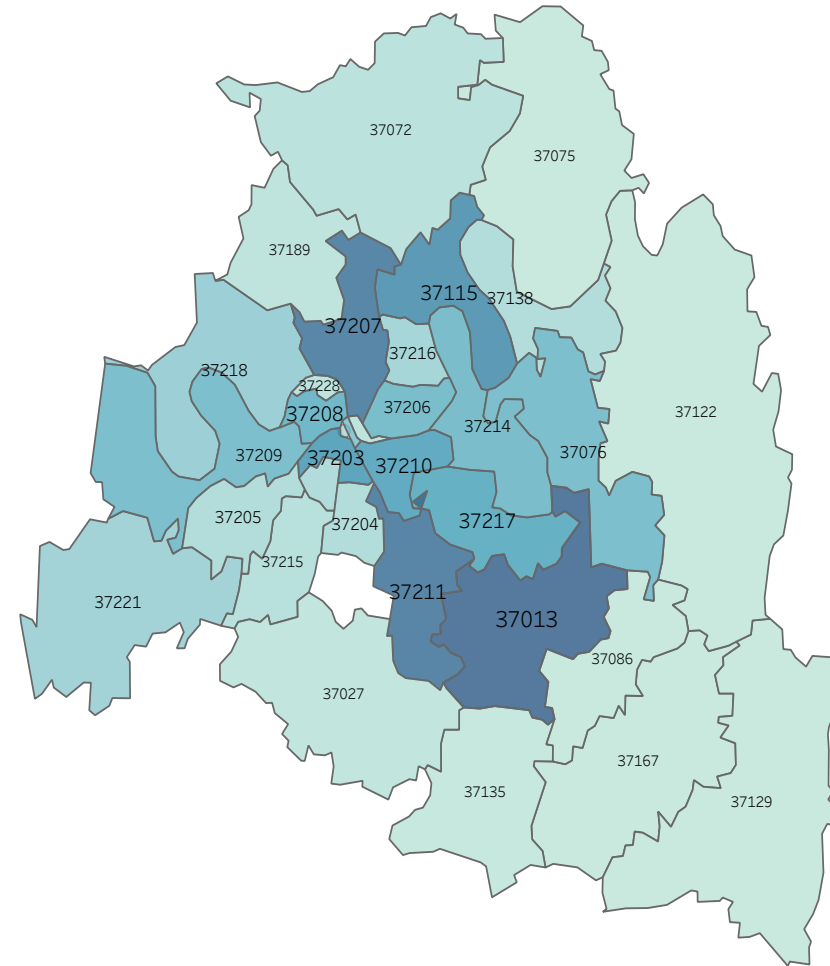
- close to each other, and
- have a similar population.
- Nashville, 1,315,000, Louisville, **1,116,000** and 1,142,500
- have robust data collection and reporting systems,
- ensuring the availability of comprehensive and reliable data for the project.

37013: Antioch, TN,  
Vehicle Theft, simple  
assault, lost property.

The largest 37013  
racial/ethnic groups  
are Black (36.7%) followed  
by White (34.7%) and  
Hispanic (18.1%).

37207: primarily black or  
African American. Drug  
paraphernalia,

Nashville Crime Map



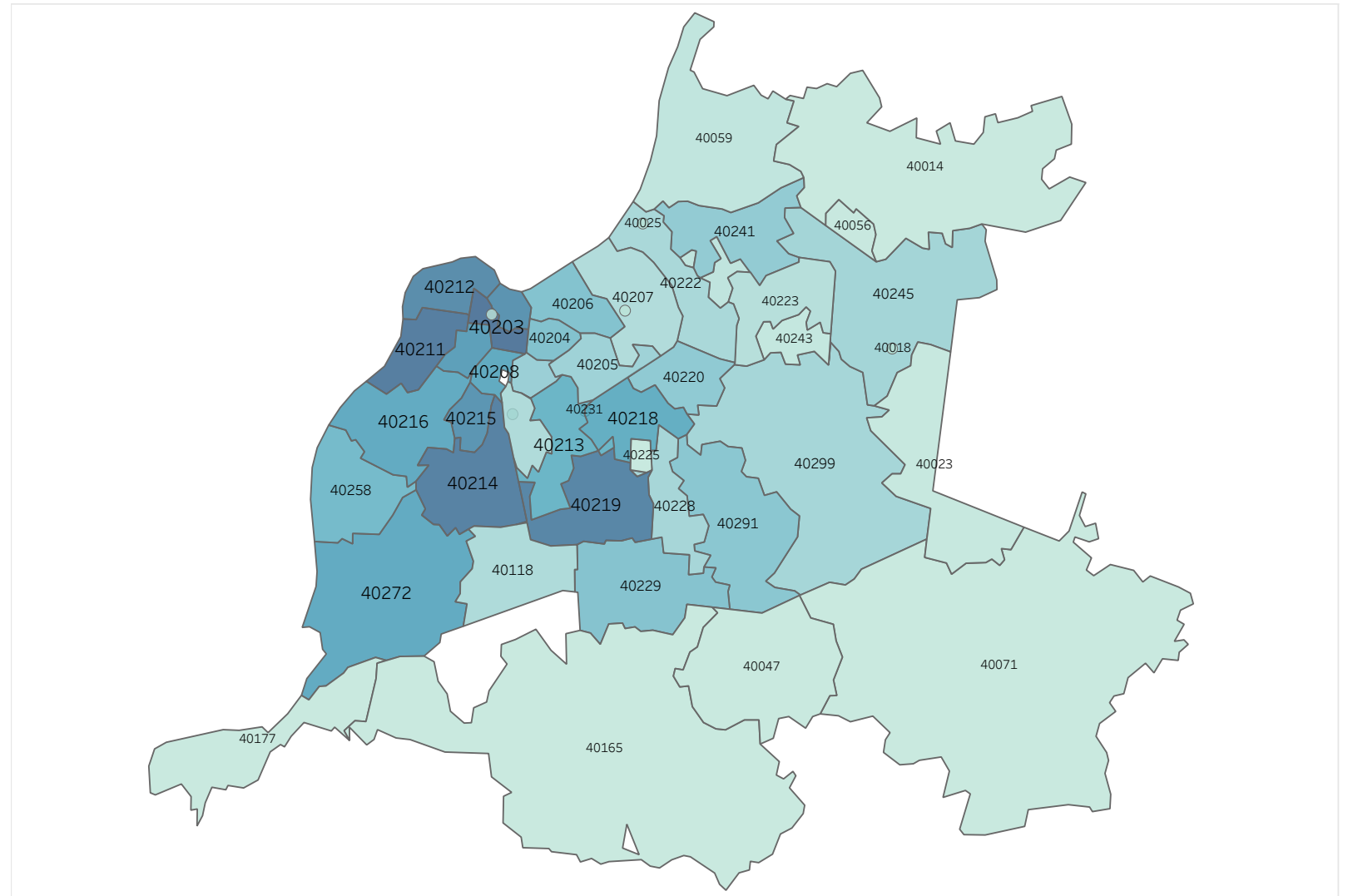
Map based on Longitude (generated) and Latitude (generated). Color shows count of Offense Description. Size shows count of Offense Description. The marks are labeled by ZIP Code. Map coloring shows 2018 Household Size (average) by State. The view is filtered on ZIP Code, which excludes Null, 37015,

40211: Aggravated Assault,  
Weapons Law Violation,  
narcotics, African  
American

40214: Auto Theft,  
primarily white. one of  
the nicer parts of town  
with a more affluent  
demographic

40203: The Civic  
Center|Central Business  
District and has a large  
population density.  
Primarily African  
America

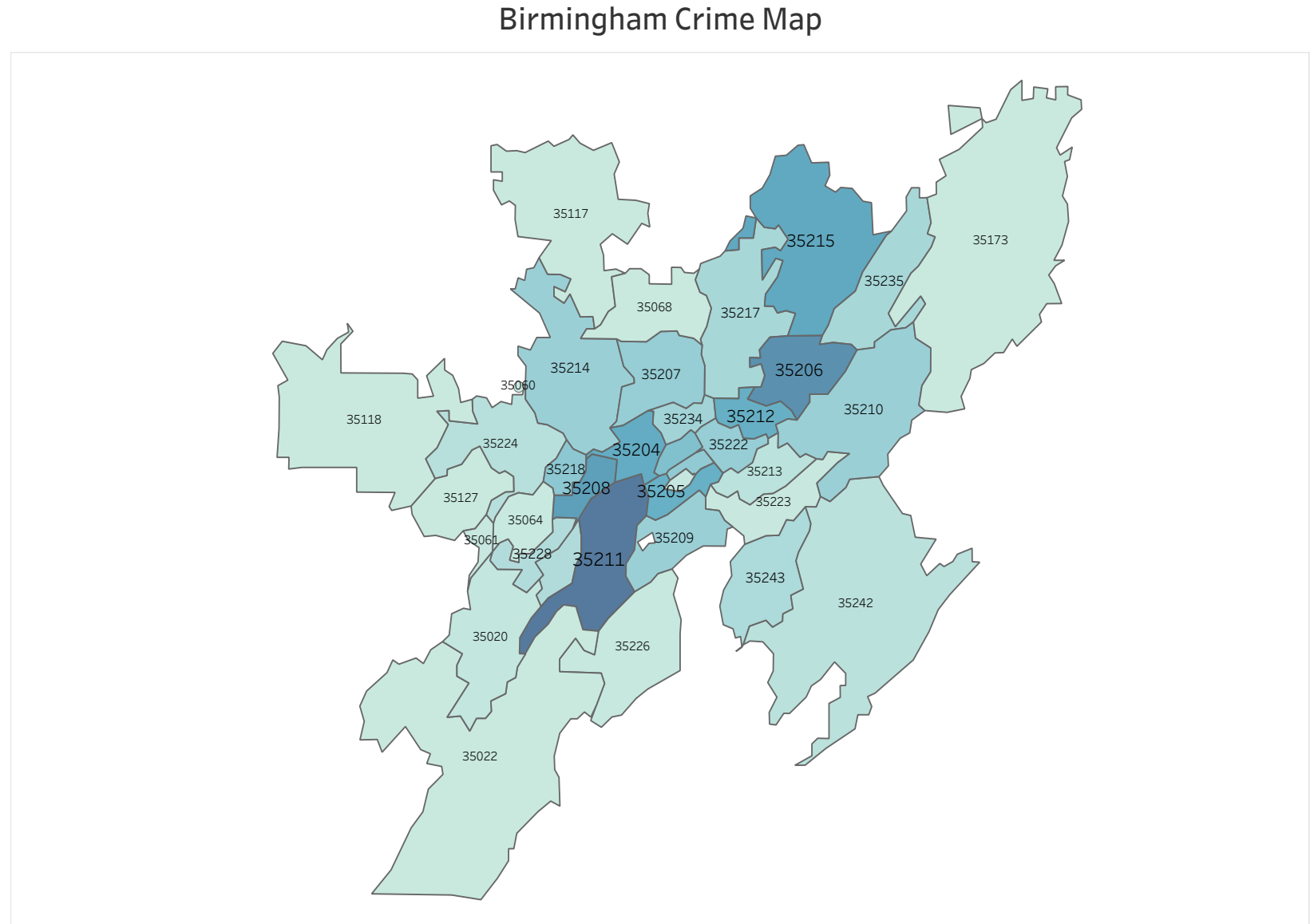
Louisville Crime Map



Map based on Longitude (generated) and Latitude (generated). Color shows count of Classification. Size shows count of Classification. The marks are labeled by Zip Code. Map coloring shows 2018 Household Size (average) by State. The view is filtered on Zip Code, which excludes 40108, 40146 and

35208: primarily black  
or African American,  
Theft-Vehicle

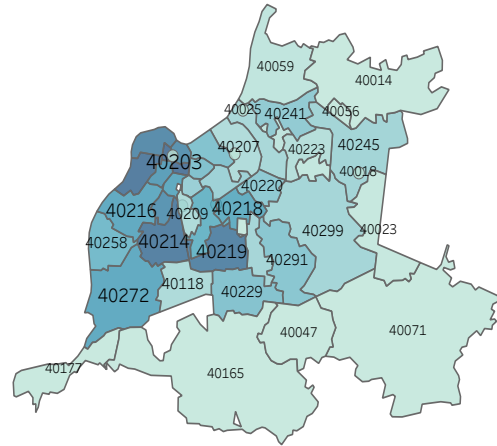
35211: black or  
African American,  
Miscellaneous Theft-  
3rd Degree, Theft of  
Property Auto Theft  
first, Domestic  
Violence by  
Strangulation or  
Suffocation,



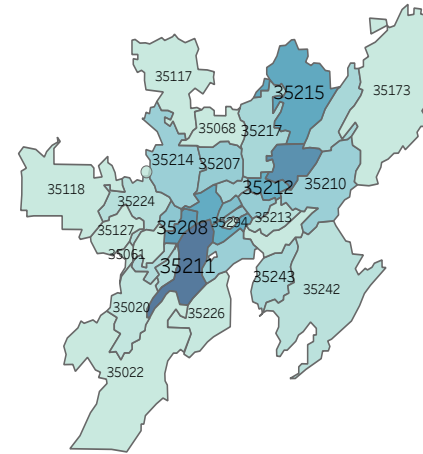
Map based on Longitude (generated) and Latitude (generated). Color shows count of Case Offense Statute Description. Size shows count of Case Offense Statute Description. The marks are labeled by Case Address Zip. Map coloring shows 2018 Household Size (average) by State. The view is filtered on Case

## Crime Map

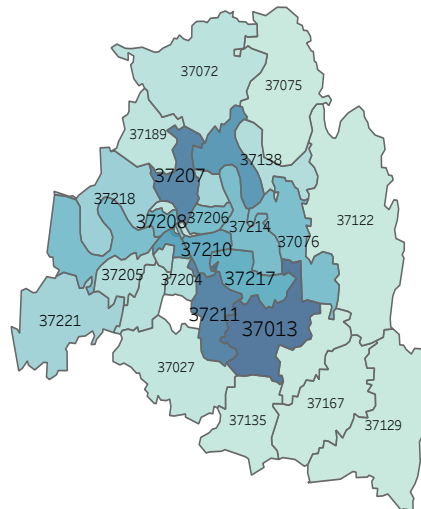
## Louisville Crime Map



## Birmingham Crime Map

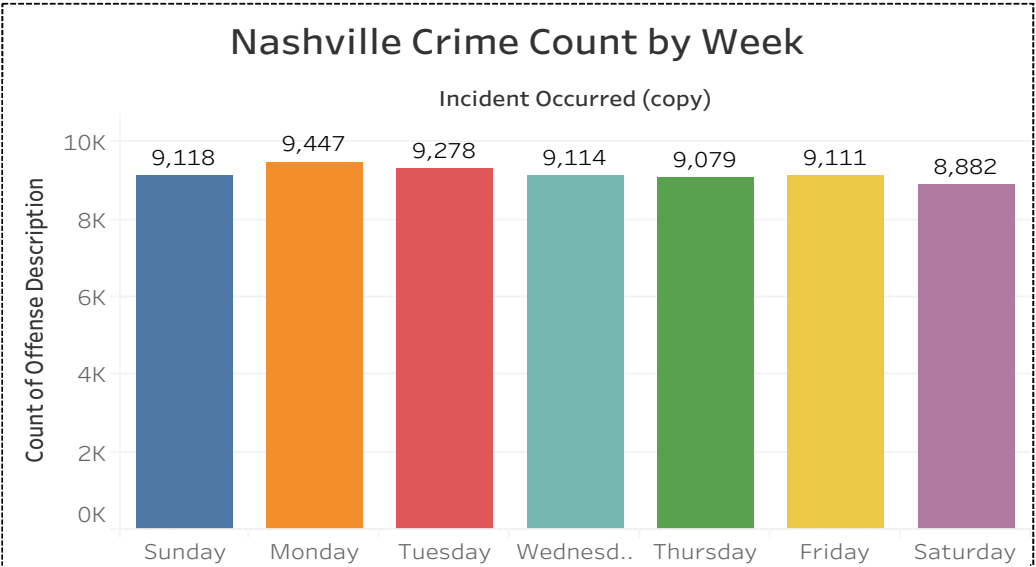
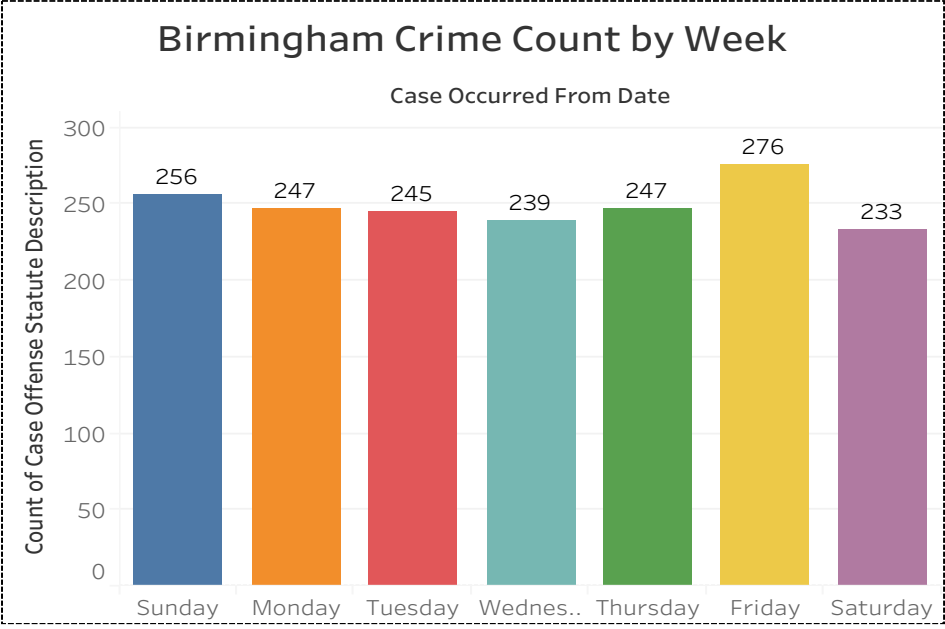
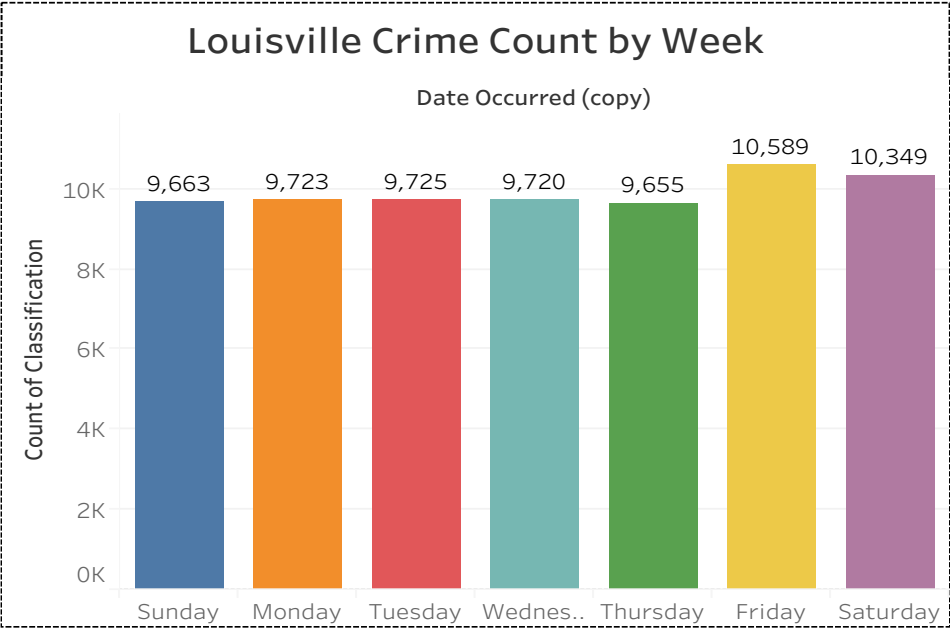


## Nashville Crime Map

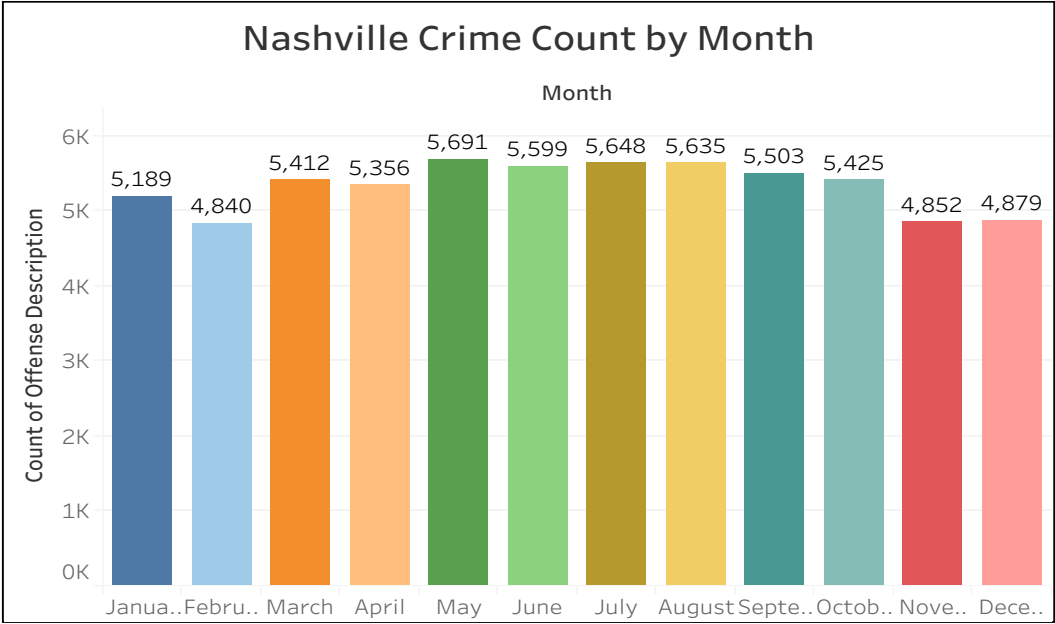
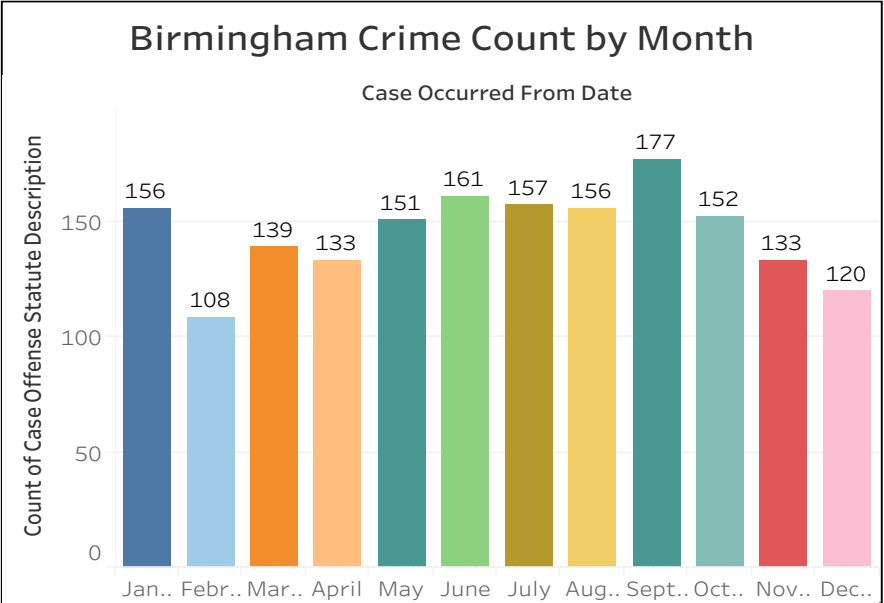
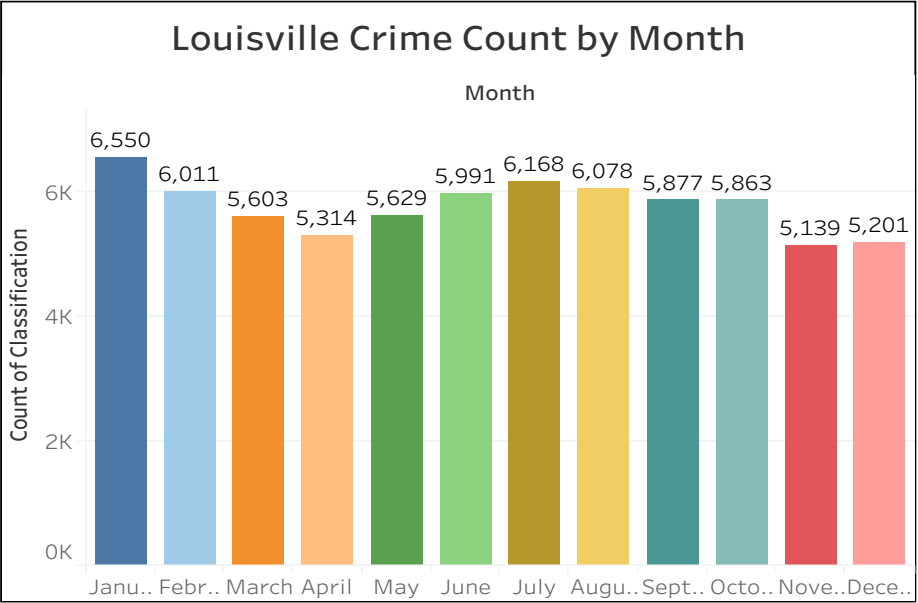




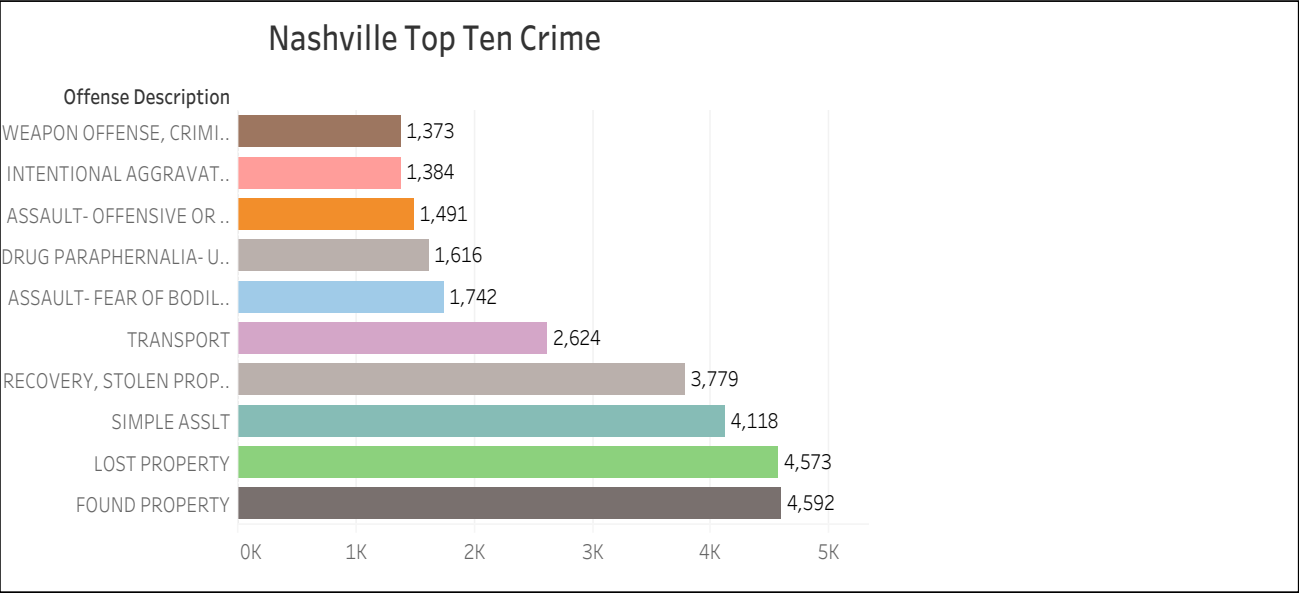
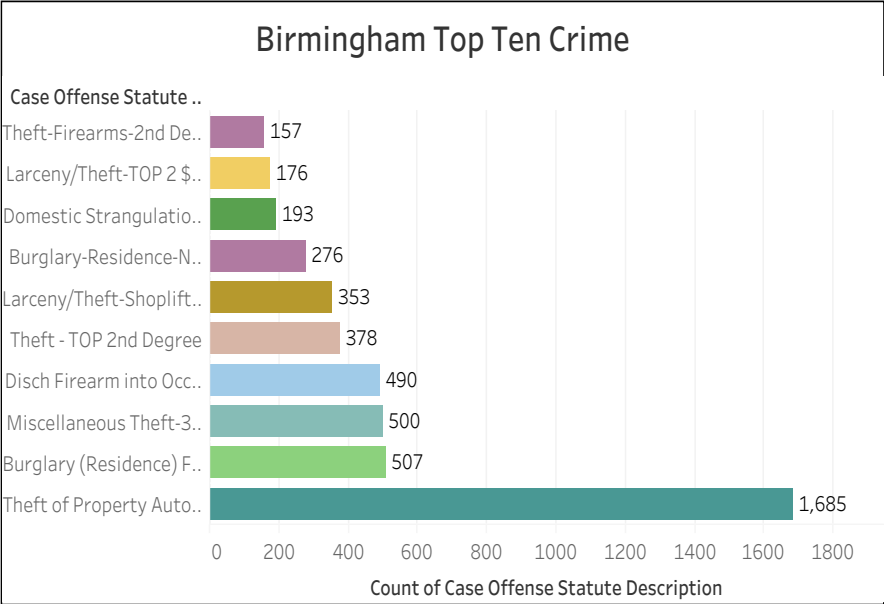
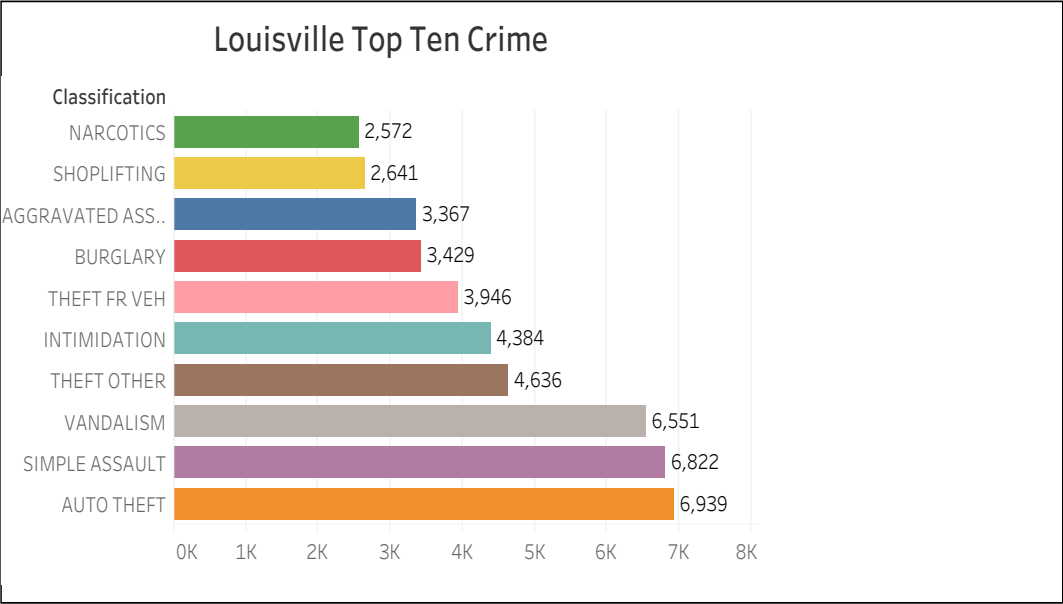
# Crime Count Per Week



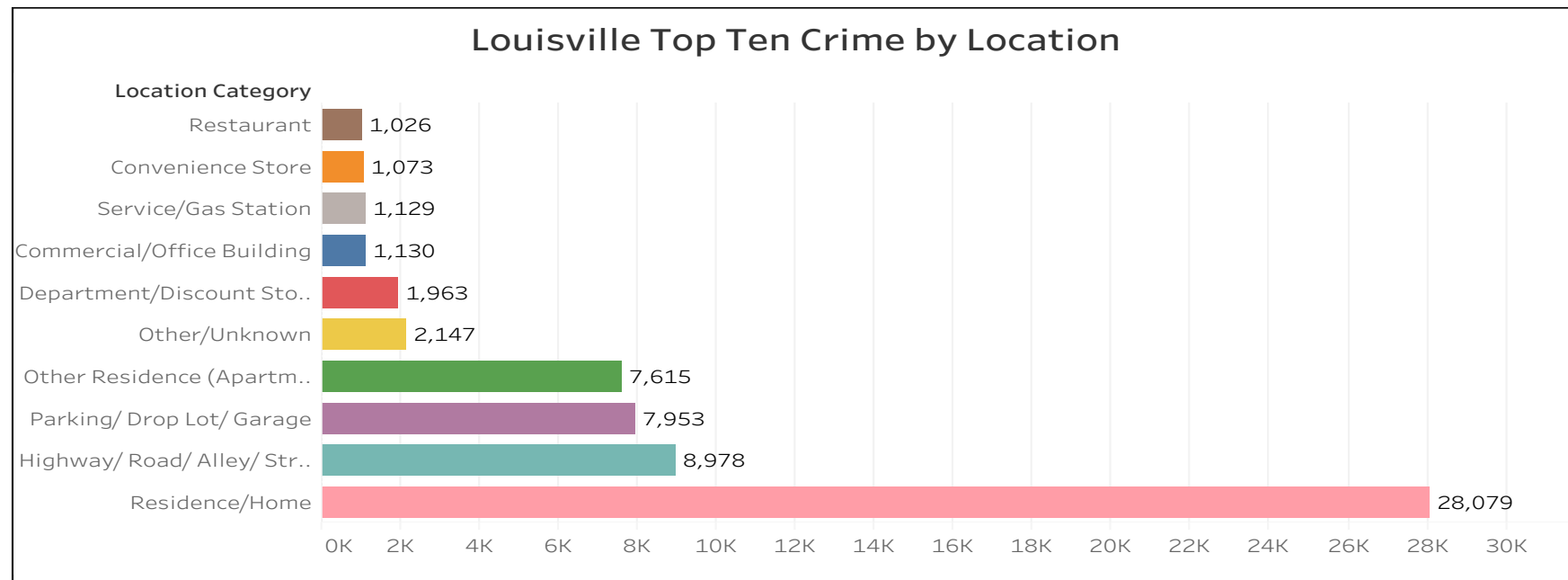
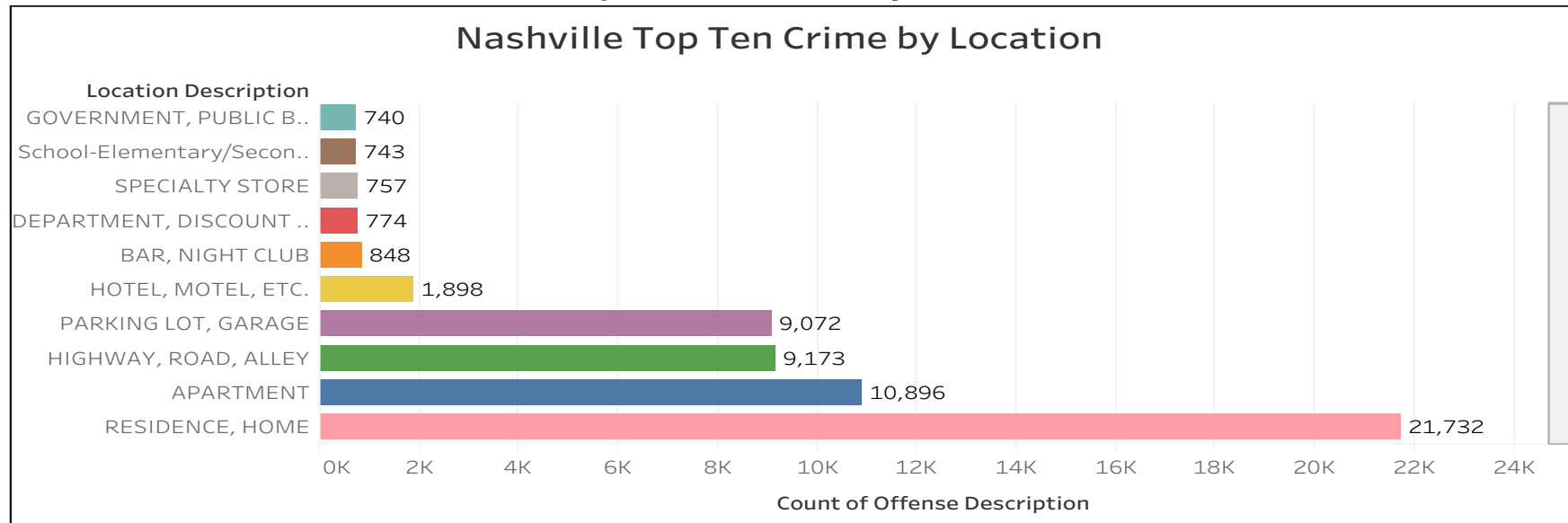
# Crime By Month



# Top Ten Crime



# Top Ten Crime by Location





# Conclusion and Recommendation?

