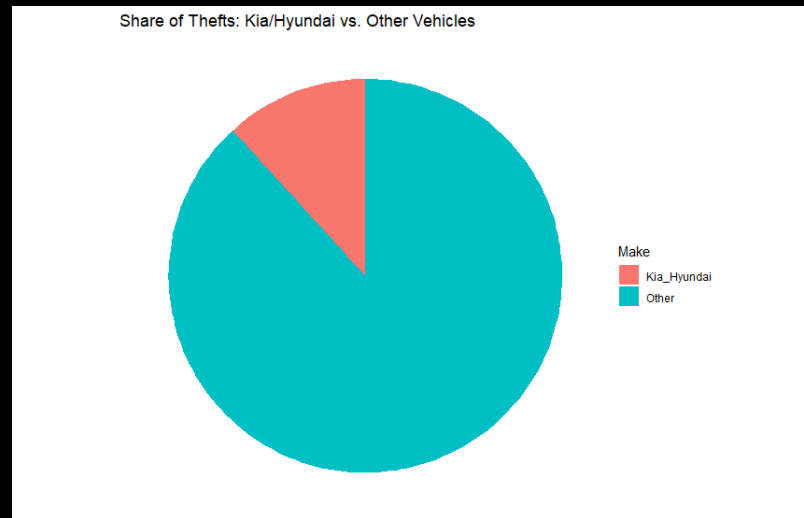


THE RISE IN KIA & HYUNDAI THEFTS

Armin Heldovac

WHICH VEHICLES ARE BEING TARGETED?

- Kia and Hyundai vehicles make up majority of the total vehicle thefts.
- Pie chart visual shows the proportion compared to other brands.



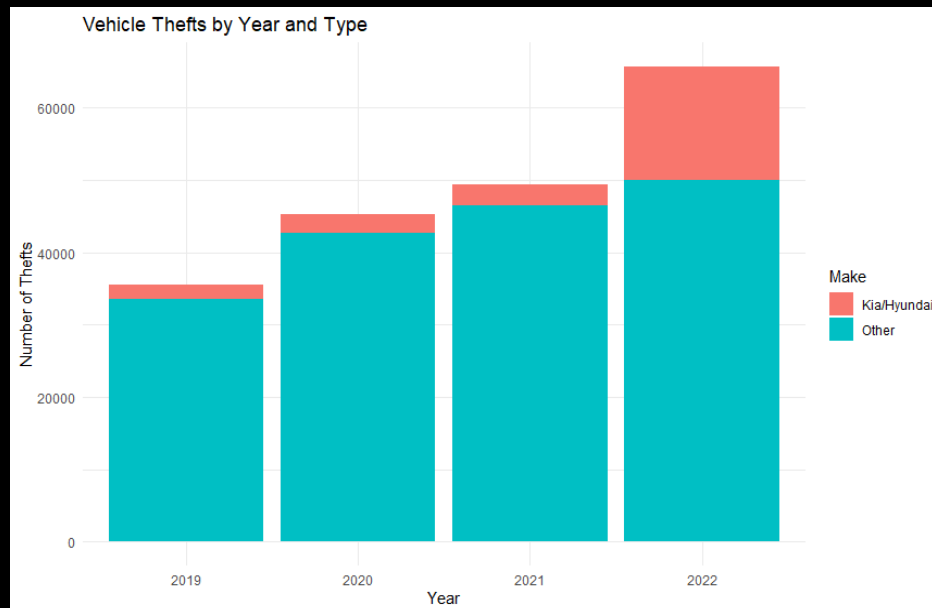
WHERE ARE THEFTS HAPPENING?

- Top states with highest theft rates identified from geographic data.
- Donut chart highlights key regions of concern.



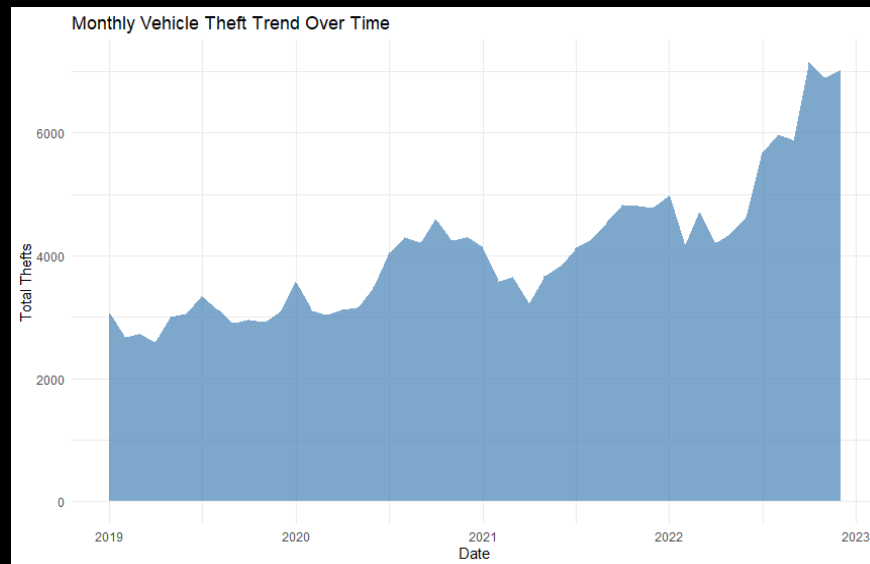
THEFT TRENDS BY YEAR

- Annual trend shows dramatic increases in recent years.
- Stacked bar chart compares Kia/Hyundai with other vehicles.



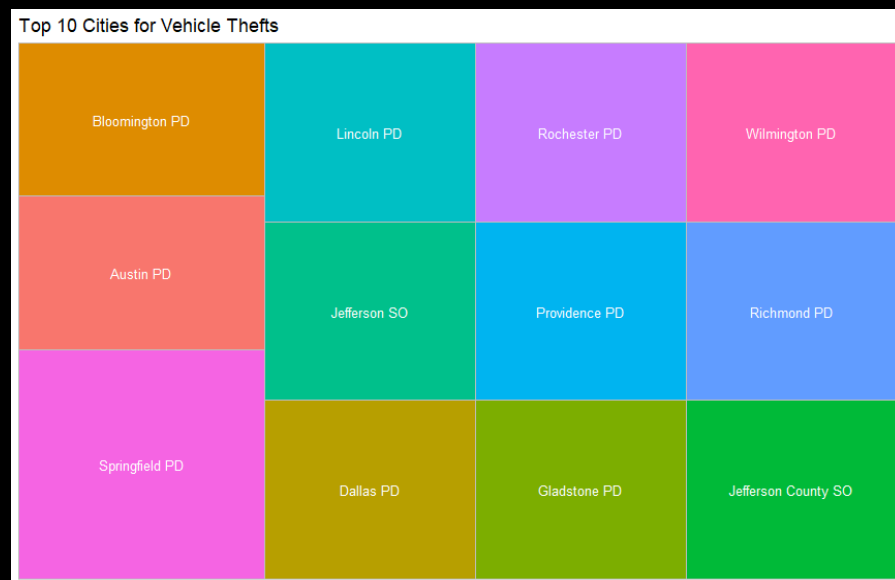
HOW THEFTS HAVE GROWN OVER TIME

- A monthly area chart shows an overall upward trend.
- Seasonal spikes are also visible.



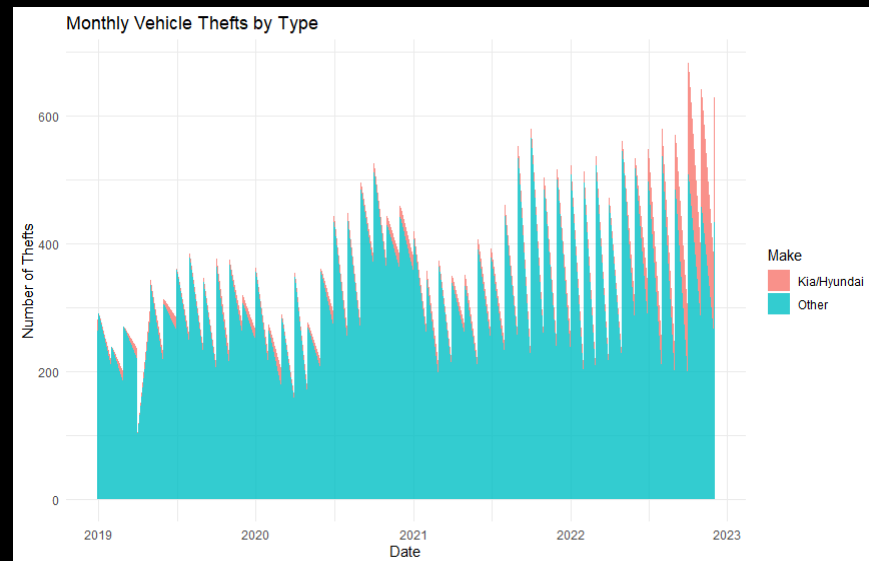
TOP CITIES AT RISK

- The tree map displays top 10 cities with highest theft counts.
- Useful for localized prevention campaigns.

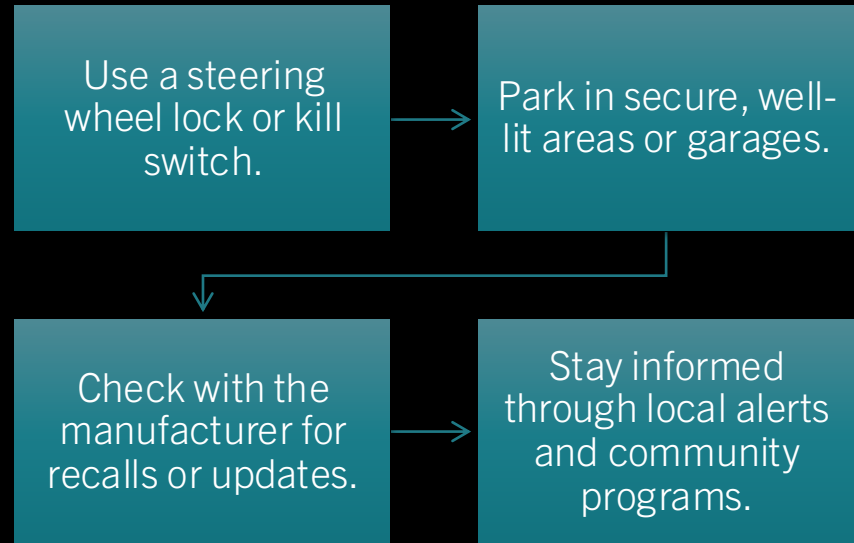


KIA/HYUNDAI VS OTHERS OVER TIME

- Stacked area chart shows the spike in Kia/Hyundai thefts.
- Reveals when these brands became dominant targets.



WHAT YOU CAN DO



**KEY
TAKEAWAYS
& DATA
SOURCES**

Kia and Hyundai thefts surged over time and dominate many U.S. cities.

Data sourced from public city crime reports and VICE News.

All data was aggregated, anonymized, and ethically handled.

Charts created using R (ggplot2, treemapify, lubridate, etc.)

SUMMARY

- Within the past decade or so, Kia and Hyundai vehicles have been experiencing a sudden increase in thefts across America. This presentation, based on 4 datasets, aims to raise awareness to the general public and promote preventative actions for the general public. The main target audience of this presentation is the general public as they are the ones who are most in danger from this car theft pandemic. Anyone who owns a Kia or Hyundai should gather important information from this presentation.
- The main goal of this project is to visualize and understand the problem of the car theft issue and encourage the general public on how to take preventative actions. Some of these actions may include using steering wheel locks, parking in a secure area, installing an immobilizer, and staying informed about any recalls or software updates from their car manufacturer.
- There were 6 R-generated visuals created to ensure this story is told effectively and to help the audience visualize the issue at hand. These include: a pie chart showing the proportion of Kia and Hyundai thefts compared to other brands; a donut chart identifying states most affected; a stacked bar chart comparing annual theft trends; an area chart showing overall theft growth over time; a tree map with the highest theft cities; and a stacked area chart comparing Kia/Hyundai thefts to other vehicles month-by-month.
- Regarding any ethical concerns, this project used data that was public to everyone and does not manipulate any of the data. There were minor transformations such as combining a year and month column into a date column. No other data manipulation occurred during this project. This project is meant to be a public awareness campaign and an informative presentation to the general public.