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Analysing Crime & Arrest in Los Angeles

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Reason for Working with crime and arrest data

- To visualize the distribution of crimes in LA
- To know if the crimes rates are increasing or decreasing
- To understand relationship between arrest and crime
- To explore the possibility of creating a new dataset.

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Data Collection

- Arrest Data was collected from a LA city website
Link : https://data.lacity.org/Public-Safety/Arrest-Data-from-2010-to-2019/yru6-6re4
- Crime Data was collected from a LA city website
Link: https://data.lacity.org/Public-Safety/Types-of-Crime-and-their-Amount-in-Areas-within-Ci/647z-cyzm

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What did we do?
How does it work?

Non technical description

- This project was aimed at:
- Collecting data
- Cleaning the data,
- I analyzed the data with Seaborn, Pyplot and power BI

The aim of this project is to Analyse LA crime and arrest over time and search for some findings with the possibility of forming a new dataset from both.

Arrests by Descent for Top 10 Charges
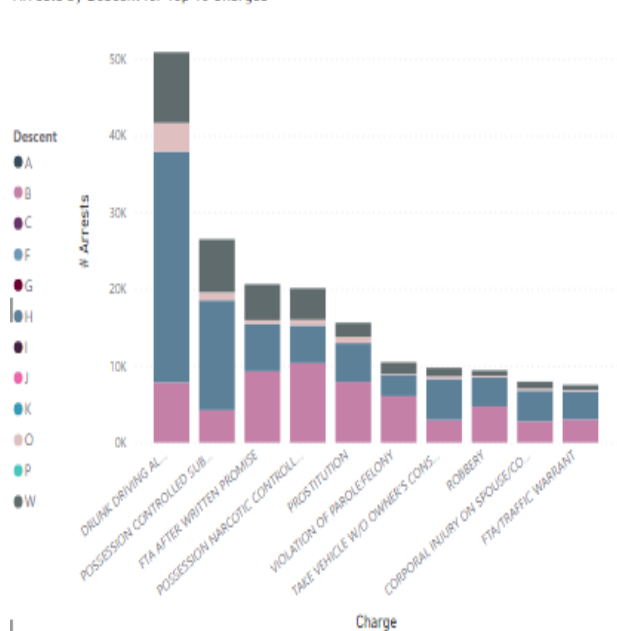
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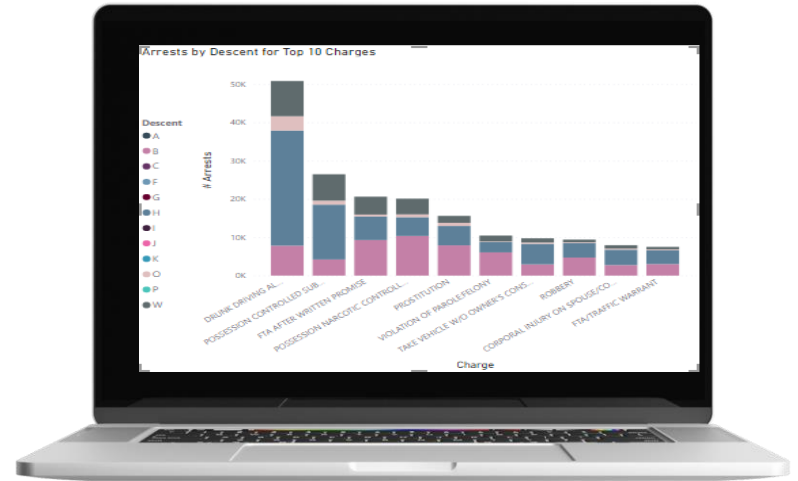
Some image, screenshot of your project creation here

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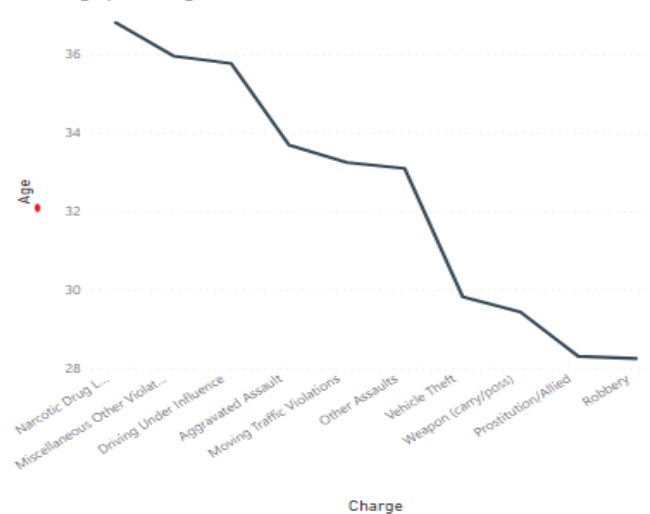Local Chapters

Project visuals

Plots were created using Power BI

Crime data Analysis for LA
Year range: 2010-2019

There is a significant increase in the number of crimes committed from 2014-2018

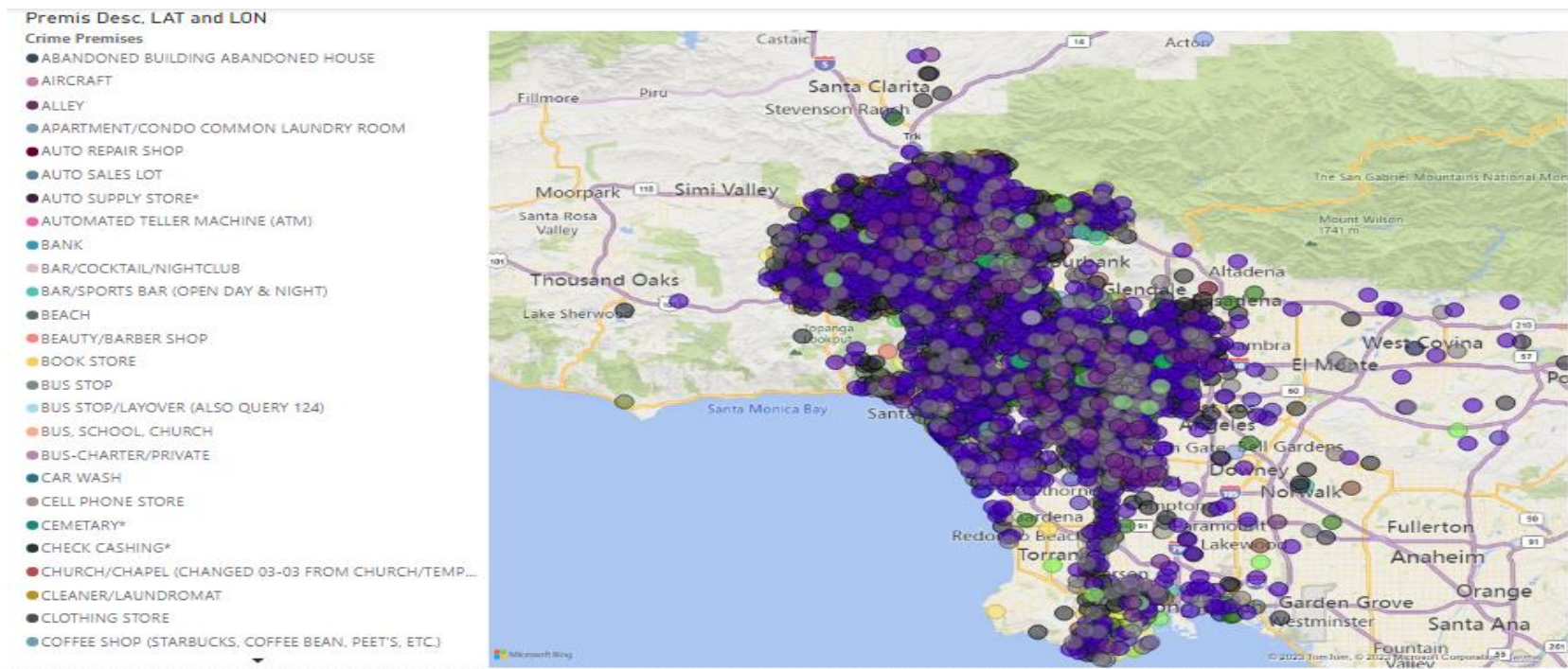Analyzing crime & arrest data in LA

More visuals

More visuals

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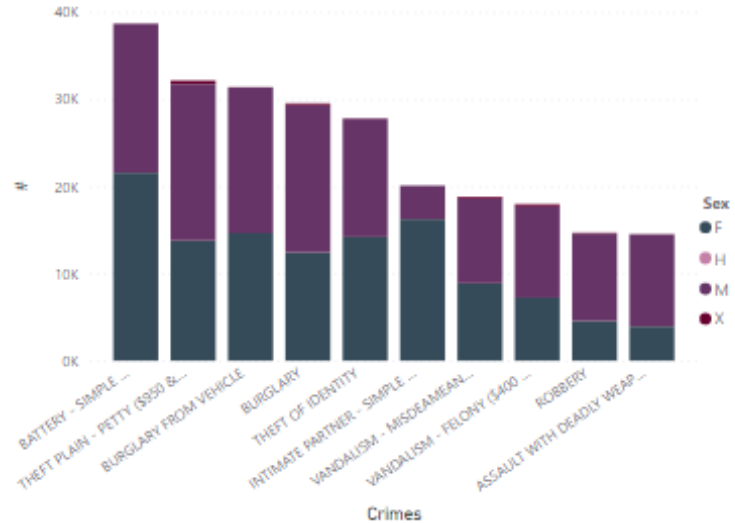
It was discovered that there is a steady increase in the crimes (including child crimes and felony crimes) while there is a steady drop of arrests (especially felony).

What we learned?
What can be next?

Discoveries:
- The rate of child abuse and child pornography is increasing steadily every year
- While the rates of arrests go down over the years, the rates of crimes go up
- There is a significant distribution of crime types in the city
- Most of the premise of crimes are single Family dwellings and the streets

What next?
- A project (like a recommendation system) that recommends security in areas within the city with respect to certain factors.
- A project that predicts the probability of certain crimes occurring at certain places and time within the city.

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THANK YOU!

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