

Chicago Crime

By Team Silent Hawks



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Problem Statement

- Crime is an inseparable part of our society, either being a victim or an offender, everybody has witnessed crimes.
- A police officer may know where the dangerous areas are according to his experience, but he may not be able to tell about what kind of crime could happen in that place.
- The crime rate in Chicago has increased massively over the last few years, and lots of people have felt the effects of it all over the city.
- According to city-data.com the average crime in Chicago is higher than the crime average of Illinois state

Data Collection

- We plan on using one primary source of data
- The City of Chicago **public data** on crimes
 - Contains information on crimes from 2001 to the present
- 7.7 million rows
- Type of data is CSV file
- Type of features are different characteristics about the crime committed
- Each row represents a crime

Solution

- Our plan is to analyze the types of crimes being committed
- Using exploratory data analysis and supervised machine learning, we can try to predict the crime
- The end result would consist of doing exploratory analysis on the data and some predictive analysis as well
- The system would most like be static
- For the progress report, a good goal would be to have data pre-processing done and begin work on the exploratory analysis