

NYPD Crime Data Analysis

Group Members

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Project Description

Our group will analyze arrest reports made by NYPD from 2018 to 2024 in respect to perpetrator demographic data.

Research Questions

Questions answered will focus on the relationship between offense committed and demographic data. Potential questions will be as follows:

What are the most common offenses committed by age group?

What are the most common offenses committed by sex?

What are the most common offenses committed by geographical location within NYC?

Are there seasonal variations in offense types?

Data Sets to be Used

We will be using a data set found on NYC Open Data. The data set is called NYPD Arrest Data (Year to Date). This data has 63.6 thousand rows and 19 columns which will allow us a significant amount of data to analyze. It looks at crime/offense type, geographical location, and has offender demographic information.

Rough Breakdown of Tasks

- Use Pandas to clean and organize data
- Use Jupyter notebook to highlight the actions taken to organize the data for analysis
- Analyze the clean data to answer our research questions

- Produce relevant graphs and visual aids that help explain our analysis
- Create a thorough presentation that explains our findings