

A close-up, low-angle shot of a person's hand typing on a computer keyboard. The keyboard has blue and red backlighting. The background is dark and out of focus, showing more of the keyboard and some ambient light. A black rectangular box with white text is overlaid in the center of the image.

PREDICTING CRIME IN QUEENS.



William D. Lombardi



Adam Miller



Max Gerstman



James Lu

WHO ARE WE?

A wide-angle photograph of the New York City skyline at dusk. The sky is a deep blue with some light clouds. The city's lights are on, reflecting on the water in the foreground. The Empire State Building is prominent in the center. The Brooklyn Bridge is visible on the right side.

OUR DATASET

NEW YORK CITY CRIMES
2014-2015.

A close-up, low-angle shot of a DJ's hands on a turntable and mixer. The DJ is wearing a dark shirt with a green floral pattern and two rings on their left hand. The turntable has a black vinyl record with green labels. The mixer has several red knobs and black buttons. In the background, another person is visible, holding a white cup. The scene is dimly lit, typical of a nightclub.

WHAT IS THE NEXT CRIME?
Specifically in a bar or nightclub.

OUR “PROBLEM”

OUR PLAN

An overhead view of three people (two men and one woman) sitting around a wooden conference table, reviewing large architectural blueprints. The man on the left is wearing a light blue shirt and a watch, pointing at the blueprints with a yellow pen. The man in the center is wearing a light green checkered shirt and is using a calculator. The woman on the right is wearing a blue shirt and is looking at the blueprints. On the table, there are several rolled-up blueprints, a blue hard hat, a purple mug, a smartphone, and a calculator. The floor is covered with a patterned carpet.

DATA MODELING

- K-Nearest Neighbor
- K-Means Clustering
- Support Vector Machine
- Decision Tree (RPart)



OUR SOLUTION

PREDICT THE NEXT CRIME

Plot past crimes as well.



PROBLEM FACED

OVER 1 MILLION CRIME RECORDS

Dimensionality reduction

QUESTIONS?

