

Solely relying on historical data is over simplification of the problem. There could be significant bias in the data due to historical social circumstances. For example, 100 years ago in the US African Americans did not have equal rights with Whites. Which is a significant fact that will likely introduce bias in the data. Therefore relying on historical data to use KNN classifiers to make decisions on criminal subjects is inherently a wrong practice.

Applying the described practice can lead to flawed law enforcement in the city. Pushing the city in a toxic context where historical data leads the model to make decisions based on historical biases. Which continues to accumulate data on the same biases. Eventually leading to an endless loop where some subgroups in the society keep being more likely to be labeled as criminals.