Crime Prediction Using Machine Learning

The target of this project is to research dataset that incorporates various crimes and predicting the type of crime which can happen in future relying upon various conditions.

Dataset(https://data.cityofchicago.org/Public-Safety/Crimes-2018/3i3m-jwuy)

The crime information is extracted from the official portal of Chicago police. It consists of crime info like location description, form of crime, date, time, latitude, longitude. the case solving can be quicker. The soul purpose of this project is to provide a jest plan of how machine learning will be used by the law enforcement agencies to discover, predict and solve crimes at a much quicker rate and therefore reduces the rate. It not restricted to Chicago, this may be utilized in alternative state or countries relying upon the supply of the dataset.

Aim

- The aim of this project is to create crime prediction using the options present within the dataset. The dataset is extracted from the official sites. With the assistance of machine learning algorithm, using python as core we are able to predict the kind of crime which can occur during a explicit space.
- I wish to correlate the crimes occurred with events organized in that particular area and predict the chance of a crime occurring in future where an event is hosted.
- I would like to apply "Broken Windows Theory " to predict the crime, Broken window theory states that -failure to respond to low level criminal activity in associate area can cause additional serious crimes, So we can easily predict a chance of crime occurring in a place where the actions taken by the police results zero.
- **I wish to analyze 2 totally different crime information using decision Tree and Naive Bayesian classifier to find the most probable crime locations and their frequent occurrence time exploitation.**
- Is it possible to create a predictive policing application which gives accurate and effective ways of restricting crimes in a particular area

    I have gone through many papers from different people and thought of doing something unique and that's how correlating an event with crime came up on my mind , i don't know how successful it turns out to be, hope i can give my best shot on this

    I like to use python as core to predict the crime.