

# Efficient Model for Crime Prediction using Machine Learning

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**Abstract:** *Crime and violation are pitfalls to justice and are meant to be controlled. Accurate crime prediction and unborn soothsaying trends can help to enhance metropolitan safety computationally. The limited capability of humans to reuse complex information from big data hinders the early and accurate prediction and soothsaying of crime. For a developing country like India, it isn't new that people hear of crimes passing relatively frequently. With the rapid-fire urbanization of metropolises, we've to constantly be apprehensive of our surroundings. In this paper, we've enhanced the Generalized Linear Model for Crime Site Selection and Analyse it for crime events using Modified ARIMA (Auto Regressive Integrated Moving Average) with big data technologies. Similar improvement is supporting analogous crimes. Trends among colourful crime locales for felonious point selection. Crime analysis is a methodological approach for identify crime areas. The crime areas are substantially grounded on the crime type these linked crime areas are helpful to reduce the crime rate. This can be veritably easy to identify the crime areas, grounded on this process the crime rate can be anatomized. With the adding number of computer systems, crime data judges can help crime investigators dissect crime.*

**Keywords:** Machine Learning, Crime, SVM

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