# Machine Learning Solution for Police Functions

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Abstract

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**Abstract:**
In our society, crime has become one of the most prevalent problems. Preventing it is of paramount importance. In order to prevent it, crimes must be tracked and a public database must be maintained so that case histories can be retrieved when necessary in the future. This project is being proposed to reduce criminal activities by developing predictive models. From past experiments, many people have used deep learning methods to identify patterns of only one particular crime from past criminal activities that took place in different countries. In this research work, machine learning is being applied to predict the states which have high crime rates by analyzing the past crime data. Consequently, the police can focus on those areas where crimes are likely to occur. To predict this, machine learning algorithms like Decision trees and Random Forest algorithms were being used to classify and give accurate information.

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