Abstract

This paper presents a spatial-temporal prediction of crime that allows forecasting of the criminal activity behavior in a particular district by using structured crime classification algorithm. The quantity of each crime is understood as the forecasted enhance or reduce the particular moment in time and location of the criminal activity. The proposed algorithm used for
forecasting crime is based on one year crime reports. It is proposed a new structured crime classification algorithm which improves the prediction performance on the studied dataset of criminal activity. It execute the following analyses: To find the exact hotspot location and disposition analysis, which shows that it is possible to predict crime location promptly, in a specific space and time, and highest percentage of effectiveness in the prediction of the position of crime. The usage of the said algorithm is to identify the particular crime from number of crimes.

References

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Index Terms

Computer Science    Security

Keywords

Crime hot spots    structured classification    crime
Pattern Theory

optimization algorithm

spatial clustering