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Abstract

One of the major issues in every nation these days is the rise in crime against women. Every day we come across various cases of abuse against women. Study of past crime data can help us in analysing crime patterns and important hidden relations between the crimes. So, crimes predicting model can be simulated which will study verified past crime records and predict future criminal activities. In recent past, there has been an increased interest in time series research. This has been used particularly for finding useful similar trends in multivariate time series in various applied fields such as environmental research, agriculture, sales and finance. This paper elaborates upon the use of time series algorithm in accurately predicting and extracting patterns that occur frequently within a dataset to obtain useful hidden information.

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Index Terms

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Keywords

Crime prediction, time series, clustering, multivariate time series