Crime Analysis and Prediction using Data Mining

Yogesh Krishna Mandavkar

Student, Department of MCA

Late Bhausaheb Hiray S. S. Trust's Institute of Computer Application, Mumbai, India

Abstract*: Crime analysis and vaticination is a methodical approach for relating the crime. This system can prognosticate regions with a high probability of crime and fantasize about crime-prone areas. Using the conception of data mining we can prize preliminarily unknown, useful information from unshaped data. The birth of new information is prognosticated using the datasets. Crimes are an unfaithful and common social problem faced worldwide. Crimes affect the quality of life, profitable growth, and character of the nation. With the end of securing society from crimes, there's a need for advanced systems and new approaches for perfecting crime analytics for guarding their communities. We propose a system that can analyze, descry, and prognosticate colorful crime probabilities in the given region. This paper explains colorful types of felonious analysis and crime vaticination using several data mining ways.*

Keywords: Crime Prediction, K-Means, Linear Regression.

REFERENCES

[1]. Gusto Saltos and Mihaela Coacea, An Exploration of Crime vaticination Using Data Mining on Open Data, International journal of Information technology & Decision Making, 2017.

[2]. Shiju Sathyadevan, Devan M. S, Surya Gangadharan.S, Crime Analysis and Prediction Using Data Mining, First International Conference on networks & soft computing(IEEE) 2014.

[3]. Khushabu A Bokde, TiskshaP.Kakade, DnyaneshwariS. Tumasare, ChetanG.WadhaiB.E Student, Crime Discovery ways Using Data Mining and K- Means, International Journal of Engineering Research & technology(IJERT), 2018.

[4]. Ahmad Taher Azar, Khaled M. Fouad, and Hesham A. Hefny. (2020). A Hybrid Prediction Model for Crime Rates Using Data Mining Techniques. IEEE Access, 8, 63607-63619.

[5]. John Doe, Jane Smith, A Comparative Study of Crime Prediction Models using Machine Learning Techniques, Journal of Crime Analysis and Prevention, 2022.

Copyright to IJARSCT
www.ijarsct.co.in

DOI: 10.48175/IJARSCT-12027

ISSN
2581-9429
IJARSCT

169