Abstract

Data Mining is a collection of tools and techniques for extraction of useful data from large amount of databases and now a days there are many intruders who try to steal useful data or to change the originality of data. An Intrusion Detection System (IDS) is a method which is use for defence method which check the activities of the computer network and reports the malicious activities to the network administrator if there is any. As the Intruders do more than one attempts to gain access to the network and try to destroy the authentication of the organization’s data. The security which is the main issue for any organization have to take steps for maintaining the originality of the data.

Thus intrusion detection field has been an important research issue in today’s world. In this paper we are going to discover an approach for attribute selection which helps in improvement of the accuracy which will be shown by ROC curve which is Receiving Operating Characteristic Curve. By gaing the results by do algorithm we will have the best way to improve in the curve.
A Data Mining Approach for Attribute Selection in Intrusion Detection System

References

1. Intrusion detection system https://en.wikipedia.org/wiki/Intrusion_detection_system
2. International Journal of Advances in Engineering & Technology, July 2013. ©IJAET ISSN: 22311963 1319 Vol. 6, Issue 3, pp. 1319-1324 Feature selection using random forest in intrusion detection system Sneh Lata Pundir and Amrita Department of CSE, Sharda University, Greater Noida, India
4. An Introduction to the WEKA Data Mining System by Zdravko, Ingrid Russell University of Hartford.
6. Feature Selection for High-Dimensional Data: A Fast Correlation-Based Filter Solution Lei Yu Huan Liu
7. Shelly Gupta et al./ Indian Journal of Computer Science and Engineering (IJCSE) DATA MINING CLASSIFICATION TECHNIQUES APPLIED FOR BREAST CANCER DIAGNOSIS AND PROGNOSIS

Index Terms

Computer Science Information Sciences

Keywords
IDS, WEKA, ROC curve, KDD process