Abstract

Data mining is the process of extracting hidden patterns and useful information from large set of data is now becoming part of current inventions. Data mining now can be applied to different fields like marketing, education; health etc. Data mining in field of education is named as educational data mining. Educational data mining can help institutions to predict the performance of their students so as to improve their academic results. In this paper artificial neural network is used to predict the performance of student. Multilayer Perceptron Neural Network is used for the implementation of prediction strategy. Experiment is conducted using weka and real time dataset available.

References

Evaluating Students Performance by Artificial Neural Network using WEKA

- S. M. Kamruzzaman and A. M. Jehad Sarkar "A New Data Mining Scheme Using Artificial Neural Networks"; 2011.
- Amrendor Kumar: "Artificial Neural Network for Data Mining." WEKA MANUAL
- Jung-Woo Ha. "Classification using Weka (Brain, Computation, and Neural Learning)."
- Predicting Student Performance by Using Data Mining Methods for Classification; Dorina Kabakchieva Sofia University "St. Kl. Ohridski"; Sofia 1000.
- Paresh Tanna, Dr. Yogesh Ghodasara: "Using Apriori with WEKA for Frequent Pattern Mining."

**Index Terms**

Computer Science

Networks

**Keywords**

Data Mining; Educational Data Mining; Artificial Neural Network; Multilayer Perceptron Neural Network(MLP); Association Rule Mining;