Abstract

Now a day E-learning is becoming popular as it helps to fulfil the necessities of remote students and helps the teaching-learning process in Education system. Course Recommender System in E-Learning is a system which recommend the course to the student based on the choice of various student collected from huge amount of data of courses offered through Moodle package of the college. Here in this paper we compare the seven classification algorithm to choose the best classification algorithm for Course Recommendation system. Theses seven classification algorithms are ADTree, Simple Cart, J48, ZeroR, Naive Bays, Decision Table & Random Forest Classification Algorithm. We compare these seven algorithms using open source data mining tool Weka & present the result. We found that ADTree classification algorithm works better for this Course Recommender System than other five classification algorithms.

References

- Abdelghani Bellaachia, Erhan Guven, "Predicting Breast Cancer Survivability Using
Selecting the Best Supervised Learning Algorithm for Recommending the Course in E-Learning System

Data Mining Techniques" accessed from http://www.siam.org/meetings/sdm06/workproceed/Scientific%20Datasets/bellaachia.pdf on 05-03-2012
- Aman Kumar Sharma, Suruchi Sahni: "A Comparative Study of Classification Algorithms for Spam Email Data Analysis" in International Journal on Computer Science and Engineering (IJCSE)
- "Data Mining Introductory and Advanced Topics" by Margaret H. Dunham
- Sunita B Aher and Lobo L. M. R. J. "Data Preparation Strategy in E-Learning System using Association Rule Algorithm" selected in International Journal of Computer Applications. Published by Foundation of Computer Science, New York, USA. ISSN 0975 – 8887
- http://en. wikipedia. org/wiki/Alternating_decision_tree accessed on dat 02-02-2012

**Index Terms**

Computer Science  
Data Mining
Keywords
Adtree  Simple Cart  J48  Zeror  Naive Bays  Decision Table  Random Forest Classification
Algorithm  Weka