Abstract

In eLearning system sharing of event experience has attracted the cognitive process of researchers to improve the efficacy of learning. Now a days the higher learning environment losses of face to face interaction with various educators, lectures, facilitators and tutors. Recommender systems are increasingly being used in today’s world. Collaborative filtering, together with association rules mining are probably the most widely used methods to implement...
recommender systems.

In this paper we undertake a review of past research conducted in the area of recommender systems with the focus being the use of association rule mining. We propose a novel methodology that combines the use of association mining with the use of distance metrics such as the Jaccard measure to identify effective e-Learners that belong to the same type to recommend appropriate LE’S to peer learners for the improvement of learning. Our experimental results on the sample learners profile dataset shows that the use of the Jaccard metric improved the coverage of recommendations over the use of the standard association rule mining method.

Reference

- A TW sdiq and Xueli “Learning Experience can e-Learning technology be used as a vehicle? In 4th international conference in e-learning 2009 pp 32-39
- M. Polany The tacit dimension New york 1967
- D Boudcohen R walker D using Experience for learning open university press 1993
- D R Krathwohl A revision of Blooms Taxonomy an overview 2002
- O Marjanovie “sharing and reusing learning experiences the knowledge management perspective. 5th IEEE ICALT 05 707-709 2005.
- Cristo Bal Romero, SebastiaN Ventura 2008, Data Mining in course management systems : study and tutorial. Computers and education Elsevier

Index Terms

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Key words

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