Abstract

Researchers are used of data mining to extract hidden information from raw data. Now data mining can be used in any domain such as education. Data mining is used in education to achieve quality education and to categorize the students’ performance through the analysis of educational data which reside or store in educational organization’s database. In this paper, we categorize the performance of students based on their previous records such as 12th marks, graduation marks, previous semester marks (PSM), previous academic records (PAR- average of 12th and graduation marks), mid sem marks (MSM), attendance (ATT) and end semester marks (ESM). Based on these attributes we determine the performance of students in end semester using apriori algorithm. With the help of categorization of performance, the main advantage is that classify of weak students, so that teacher give the particular interest on weak students and they could better perform in the next semester exam.
Pattern Mining Approach to Categorization of Students' Performance using Apriori Algorithm


Index Terms

Computer Science

Algorithms
Keywords
Data mining  Educational data mining  Association rule mining  Data Transform.