An Impact of Intelligent Quotient and Learning Behaviour of Students in Learning Environment

Abstract:

Data mining refers to mine the knowledge from large amounts of data. It's used to discover some new interesting patterns. Data mining techniques are helpful to find the association between the Intelligence Quotient and Learning behaviour of the students. Cluster analysis finds the homogeneous data objects. It's used to decide the students’ similarity in data set based on the nature of the learning behaviour. Each cluster reveals the identity based on its learning behaviour of the student. The Intelligence Quotient is also evaluated by using Stanford-Binet Intelligence Test and Criterion reference model. Multilayer Perceptron and EM clustering Technique classify the students based on the Intelligence Level. This experiment analysis could help the staff members understand the student’s behaviour and offer the suitable training for their improvement of academic competence. This paper reveals the intelligence quotient and the learning behaviour of the students in a learning environment.