DATA MINING

Student Performance Prediction Using Case Based Reasoning Knowledge Base System (CBR-KBS) Based Data Mining.

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Abstract—Higher education management problems in delivering 100% of graduates who can satisfy business demands.
In industry it is often difficult for qualified graduates to identify
the appropriate means to evaluate problem - solving abilities as

well as shortcomings in the evaluation of problem solving skills.

This is partially due to the lack of an adequate methodology. The purpose of this paper is to provide the appropriate CBR-KBS model for predicting and evaluating the characteristics of the student's dataset so as to comply with the
parameters of selection required by the university industry. Machine learning algorithms have been used in these study areas under supervision, uncompleted and uncontrolled; K-Nearest neighbor, Naïve Bayes, Decision Tree, Neural Network, Logistic Regression and Vector Support Machines. The proposed model would allow university management to make easier, more professional, experienced and industry-specific plans for the manufacturing of graduates and

graduates who passed the type I and II examinations held by the
employment opportunities

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