

Main Process	Sub-Process	Knowledge	Enhanced or New Process Trough Data Mining	Data Mining Function
Evaluation	Student assessment	The patterns of previous student's learning outcome Prediction of learning outcome	Predicting student learning outcome Creating meaningful learning outcome typology in combination with their length of study	Prediction Clustering
		The pattern of previous student's successful or unsuccessful in a specific course. the success patterns of high achieved student in a course	Grouping students into groups of successful and unsuccessful in an specific course	Classification
		The patterns of students who show weak test score The characteristic pattern of high student achiever The patterns of previous students which were likely to be good in a given major	Predicting Likelihood of success	Prediction
		The success patterns of previous similar student Prediction of likelihood of persistence	Predicting Likelihood of persistence	Prediction, Clustering
		The patterns of previous successful and unsuccessful graduates Prediction of graduation rate	Predicting percentage accuracy which student will or will not graduate Predicting graduation rate in every trimester	Prediction, Clustering Prediction
		The patterns of previous students who planned for dropping subject Prediction of drop-out rate	Predicting situations to act before student plan to drops out Predicting drop-out rate in coming trimester	Prediction Prediction
		The patterns of previous students who planned for resource allocation	Predicting situations to act before student plan for resource allocation	Prediction
		The patterns of previous male and female students in test score Association of student personal information with test score	Associating student personal information (gender, race, age, marital status, nationality) with test score	Association
		The success patterns of previous students who previously had transferred subjects Prediction of the likelihood of transferability	Predicting likelihood of transferability	Prediction
		The patterns of previous students attendance in accordance with test score Association of student attendance rate and test score	Associating student course taken information with their test score	Association
		Association of student health information and test score	Associating student health information with their test score	Association