Abstract

Every educational institution around the globe maintain student result repository which contain information about student marks, grade in different subjects and examinations. This repository contains important hidden pattern/knowledge which can be uncovered through data mining. A decision tree classifier based on divide and conquer rules is widely used for data exploration in such repository. In this paper J48 decision tree algorithm is applied on student previous result data to build a model in the form of decision tree. This model can then predict the student final grade. This will be helpful for teacher, student and their parents to know in advance about student final predicted grade and will enable them to take preventive measure.

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Index Terms

Computer Science

Information Science
Final Grade Prediction of Secondary School Student using Decision Tree

**Keywords**

- Data Mining
- Educational Data Mining (EDM)
- Classification
- Prediction
- Decision Tree
- J48

Data repository

Student Grade