Student Performance Prediction using Support Vector Machine

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Abstract: Predicting students' academic progress is critical in a university setting for early diagnosis of at-risk pupils. The goal of this work is to offer data mining models that use classification methods based on Support Vector Machine (SVM) algorithms to forecast students' academic accomplishment after a preparatory year, as well as to select the optimal approach. Based on graduation CGPA, students' academic achievement is classified as High, Average, or Below Average, and these classifications are applied to a newly produced dataset.

Keywords: Support Vector Machine (SVM), computer vision, neural networks, Data Mining, Error Measurement, Accuracy.

REFERENCES