Academic Performance Analysis Based on Online Learning Data

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Abstract: *This project addresses the need for an efficient and accurate system to analyse and predict student performance based on online learning data. Leveraging machine learning algorithms, the system provides instructors with tools to input student data, analyse academic performance, and generate detailed reports. Students receive feedback and personalized suggestions to improve their learning outcomes. The system ensures high accuracy in performance predictions, usability, scalability, and data security. This paper details the design, implementation, and evaluation of the system, highlighting its potential to enhance academic performance analysis in online learning environments.*

Keywords: Academic Performance, Machine Learning, Online Learning, Student Data Analysis, Performance Prediction, Feedback Generation