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## An overview of Using Machine Learning in Higher Education

Machine Learning (ML) is one of the most modern innovations in today's date. It is a concept which lets the machines to learn from different examples and experience. While it is being used in different industries as well as our daily lives, it has some great applications in the education sector as well. This paper aims to provide a literature review of the impact of Machine Learning on the learning of students. In addition, it also discusses the machine learning solutions at which these have been used, associated challenges, and the motivations for adopting machine learning solutions, with an emphasis on education. Eighteen articles were found relevant, which proposed a machine learning solutions for educational decision making regarding the learners' performance, predicting future performance as well as addressing potential issues, etc. Finally, this article introduces a future research direction to analyze the relationships between students' behavior and their success, which helps academia to apply more efforts in developing remedial programs for the weaker students in order to improve their progress. Overall, this review will be beneficial for the future development of machine learning methods in higher education.