



## PROJECT REPORT

### COMPARISON AND PREDICTION OF STUDENT PERFORMANCE USING ORANGE

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## ABSTRACT

*The research is trying to find the correlation between external factors that could impact student performances. Using Orange as the software to process the data with kNN (k-nearest neighbor) and SVM (support vector machine) for the classification method. The method that has been used in this research is to compare two datasets and visualize them. The research found that there is a direct correlation between the external factor and student performance. The impact could be positive or negative. The research also found that the kNN (k-nearest neighbor) method outperformed the SVM (support vector machine) with an average of 0.85, despite the changing metric in the comparison process.*

*Keyword: kNN, SVM, Classification*

