

DATA VISUALIZATION AND EXPLORATION OF STUDENTS DATABASE

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***Abstract:** The main goal of this paper is the application of efficient analytic tools for educational data processing, which will lead to improving the quality of education and enhancing school resource management. Data from the students' database of the Business and Technical College of Applied Sciences Uzice were used for the research. Although student achievement is highly influenced by past evaluations, an explanatory analysis has shown that there is a need for more relevant features in order to develop interesting automated tools that can aid education domain.*

***Keywords:** Learning analytics, educational data processing, Cytoscape, Octave.*