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Analysis of the Academic Performance of University Students

ABSTRACT

Objective: To analyze the academic performance of the students of the Romulo Gallegos National Experimental University of the Central Plains, specifically in the areas of systems engineering and civil engineering, architecture and technology, with which it is intended to know the effect that the methodologies of the teachers who dictate the curricular unit (mathematics II) on the average grades of their students and in turn determine the significance that the different areas of engineering have on the students' grades; using the statistical tools provided by the design of experiments through its full factorial models. **Method:** The research design was field, the non-experimental transectional design and the data analysis was through the use of SPSS software (statistical program of social sciences). Taking into account 3 teachers from each area, 69 students of Systems and 67 students of Civil Engineering for the study. **Results:** The comparison between the study areas indicates that the factors used for the design of the experiment were able to show that they are not significant in terms of the influence of the methodology used by the mathematics II teachers for the incidence of grades in the students. **Conclusions:** The research showed statistically using the analysis of design of experiments that the different teachers who dictate the Mathematics II curricular unit for the studied areas of the Rómulo Gallegos University, do not generate variability in the student averages.

Descriptors: Design of experiments, SPSS, Factorial Design.

Biographical Review: Full-time professor in the area of systems engineering 1st promotion of computer science engineering UNERG, Magister Scientarum in Administrative Management, Magister Scientarum in Statistics at the Pedagogical University of Mozambique. Currently I work under the position of director of the Research Center of the UNERG Systems Engineering Area