

Appreciation of Linear Regression and Pearson's Coefficient with Geogebra in First Year Biology Students

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Abstract

The main objective of this research work was to explore the Appreciation of Linear Regression and Pearson's coefficient with GeoGebra in first year Biology pedagogy students of the Universidad de Antofagasta -Chile, during the first semester of 2024. This research followed an exploratory approach of the case study type. Personalized interviews of three questions, related to the general objective and two specific objectives, were established with three students of an initial statistics course. It was found that the opinions expressed about the use of this software are very valuable, agreeing with those expressed by several authors in the statistical field and also by educational communities specialized in the training of teachers and students, about the great benefits of this software, as in other areas of science. Finally, it can be concluded that the perception of GeoGebra enriches the algebraic and visual confidence, which generates security in the learning process.

Keywords: Exploratory; GeoGebra ; Pearson's coefficient; Linear Regression