



La perspectiva estudiantil sobre el desempeño del profesor: un modelo de regresión logística ordinal. [

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Analítica

Logistic regression is a statistical analytical technique of increasing use in health care and educational research. The purpose of this paper is to present a logistic regression model for ordinal response variables within an educational environment, in order to provide readers with guidelines from real data and a practical point of view. Based on a constructivist framework, the criterion "students' perception of the teacher as a facilitator of learning" is modeled by ordinal logistic regression, employing the statistical package SPSS. Data were collected in a survey carried out among 244 students of the first year of the School of Chemistry, Uruguay. Students' grades as well as their general opinion towards teachers' strategies and attitudes proved to be effective predictors of the criterion. Details of model-building procedure, transformation of predictors, parameters interpretation, examination of interaction and confounding effects, goodness-of-fit assessment and regression diagnosis based on covariate patterns are discussed. Results of both ordinal and binary logistic regression with SPSS are also compared

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