

Title: "Regression models and their teaching"

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Abstract:

Regression models and their outputs have a huge utilization not only in the field of medicine, science and managerial decision-making but also in many other fields. From the math didactics point of view is a question of intelligible explanation of regression models to non-math students very topical and exploitable theme. The main problem is an understandable explanation of this topic to statistics schooling members with minimal math application. These people aren't usually math or technical branch alumni, but they use regression models in their work.

This work tries to suggest simply and clearly explanation of regression models on particular examples. Practical examples show the effects of the most common mistakes that are made by laymen in application of regression models. The main output of this work is a set of examples that could be used in regression models schooling.

Keywords:

regression models, regression analysis, didactics, teaching