

Regression: is a potential threat to internal validity in an experiment in which the researchers select individuals for a group based on extreme scores, and because they will naturally do better (or worse) on a posttest than the pretest regardless of the treatment, they will threaten the validity of the outcomes.

Regression line in correlation research is a line of “best fit” for all of the points of scores on a graph. This line comes the closest to all of the points on the plot and it is calculated by drawing a line that minimizes the squared distance of the points from the line.

Regression tables show the overall amount of variance explained in a dependent variable by all independent variables, called R^2 (R squared)

Multiple regression (or multiple correlation) is a statistical procedure for examining the combined relationship of multiple independent variables on a single dependent variable.