

Scenario

How do we know to trust the relationship that we've estimated between each predictor and the sale price of the home? Is it a chance relationship, or do we have strong evidence that a predictor is important? We'd like to know when we estimate a slope describing the relationship between a predictor and the sale price, that the slope is significantly different from zero. The p-value helps us decide whether the relationship, or the slope, is significant. But we can only trust the p-value if we meet the assumptions of the model. If we've violated the assumptions, we're more likely to make incorrect conclusions. Fortunately, it's easy to check the assumptions in SAS by looking at residual plots.

Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression

Copyright © 2019 SAS Institute Inc., Cary, NC, USA. All rights reserved.

Close