

The Spearman Correlation Statistic

To measure the strength of the association between two ordinal variables, you can use the Spearman correlation statistic. The Spearman correlation is a rank correlation, because it provides a degree of association between the ranks, or the levels, of the ordinal variables. This statistic has a range between -1 and 1. Values close to 1 indicate that there's a relatively high degree of positive correlation. Values close to -1 indicate that there's a relatively high degree of negative correlation. And values close to 0 indicate a weak correlation.

Like other measures of association strength, Spearman's correlation statistic is not affected by sample size.

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

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