

Bivariate Analysis by level of measurement
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Dependent Variable	Independent Variable	Statistical Technique	SPSS Command	Test for Significance	Measure of Association
Ratio/interval	Discrete (two groups)	Differences of means test	Independent samples t-test	t-test	Cohen's <i>d</i>
Ratio/interval	Discrete (multiple groups)	Analysis of variance	One-way ANOVA	F-test	Eta, η^2
Ratio/interval	Ratio/interval	Correlation	Bivariate Correlate	t-test	Pearson's <i>r</i>
Discrete	Discrete (ordinal or categorical)	Cross-tabulations/ contingency table	Crosstab	Chi-square	Phi (for 2x2); Lambda for multiples; Gamma for ordinal