

Parametric Statistical Tests

Name (Test Statistic)	Purpose	Measurement Level*	
		IV	DV
One-sample <i>t</i> -test (<i>t</i>)	To test the predicted value of a mean for a population.	---	I, R
<i>t</i> -test for independent groups (<i>t</i>)	To test the difference between the means of 2 independent groups.	N	I, R
<i>t</i> -test for dependent groups (<i>t</i>)	To test the difference between the means of 2 related groups/sets of scores.	N	I, R
Analysis of Variance (ANOVA) (<i>F</i>)	To test the difference among the means of 3+ independent groups (oneway) or groups for 2 + IVs (multiway).	N	I, R
Repeated Measures ANOVA (<i>F</i>)	To test the difference among means of 3+ related groups/ sets of scores.	N	I, R
Pearson Product Moment Correlation (<i>r</i>)	To test the existence of a relationship/correlation between two variables.	I, R	I, R

*Measurement level of the independent variable (IV) and Dependent Variable (DV); N = Nominal, I = Interval, R = Ratio