

Choosing a Test

Psychology

The decision table that selects an inferential test.

Difference tests by design and measurement level.

Level	Independent	Repeated
Nominal	Chi-square	—
Ordinal	Mann-Whitney	Wilcoxon
Interval	Unrelated t-test	Related t-test
Correlation, ordinal	Spearman's rho	
Correlation, interval	Pearson's r	

Parametric tests require interval data, normal distribution and similar variance. Failing those means a non-parametric equivalent.