

TABLE 4.2. Common Statistical Tests for Comparing Groups of Independent and Paired Samples.*

No. of Groups Compared	Independent Samples	Paired Samples
Groups of Nominal Data		
2 or more	chi-square test	McNemar's test [†]
Groups of Ordinal Data		
2	Wilcoxon rank-sum test or the Mann-Whitney <i>U</i> test [†]	Wilcoxon signed-rank test [†]
3 or more	Kruskal-Wallis test [†]	Friedman one-way ANOVA [†]
Groups of Continuous Data		
2	Student's <i>t</i> test [‡] or Wilcoxon rank-sum test or the Mann-Whitney <i>U</i> test [†]	Paired <i>t</i> test [‡] or Wilcoxon signed-rank test [†]
3 or more	Analysis of variance (ANOVA or <i>F</i> test) [‡] or Kruskal-Wallis test [†]	Repeated-measures ANOVA [‡] or Friedman one-way ANOVA [†]

* Other tests may also be suitable.

[†] Nonparametric tests.[‡] Parametric tests.