

# Table of Analyses

## Tests of Proportion & Association

Samples	Categories	Tests
1	2	One-sample Chi-Squared test, binomial test
1	$\geq 2$	One-sample Chi-Squared test, multinomial test
2	$\geq 2$	Two-sample Chi-Squared test, <i>G</i> -test, Fisher's exact test

## Assumptions & Distributions

### Normality:

Shapiro-Wilk

### Homoscedasticity:

Levene

Brown-Forsythe

### Sphericity:

Mauchly

### Distribution tests:

Kolmogorov-Smirnov

Chi-Squared G.O.F.

## Analyses of Variance

Factors	Levels	<u>B</u> etween or <u>W</u> ithin	Parametric Tests	Nonparametric Tests or Generalized Linear Models
1	2	B	Independent-samples <i>t</i> -test	Mann-Whitney <i>U</i> test
1	2	W	Paired-samples <i>t</i> -test	Wilcoxon signed-rank test
1	$\geq 2$	B	One-way ANOVA	Kruskal-Wallis test
1	$\geq 2$	W	One-way repeated measures ANOVA	Friedman test
$\geq 2$	$\geq 2$	B	Factorial ANOVA Linear Model (LM)	Aligned Rank Transform (ART) Generalized Linear Model (GLM)
$\geq 2$	$\geq 2$	W	Factorial repeated measures ANOVA Linear Mixed Model (LMM)	Aligned Rank Transform (ART) Generalized Linear Mixed Model (GLMM)