

# Table of Analyses

## Tests of Proportion & Association

Samples	Categories	Tests
1	2	One-sample Chi-Squared test, binomial test
1	≥2	One-sample Chi-Squared test, multinomial test
2	≥2	Two-sample Chi-Squared test, <i>G</i> -test, Fisher’s exact test

### Assumptions & Distributions

- Normality:
  - Shapiro-Wilk
  - Anderson-Darling
- Homoscedasticity:
  - Levene
  - Brown-Forsythe
- Sphericity:
  - Mauchly
- Distribution tests:
  - Kolmogorov-Smirnov
  - Chi-Sq. Goodness-of-Fit

## Effect Tests

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	≥2	B	One-way ANOVA	Kruskal-Wallis test
1	≥2	W	One-way repeated measures ANOVA	Friedman test
≥2	≥2	B	Factorial ANOVA Linear Model (LM)	Aligned Rank Transform (ART) Generalized Linear Model (GLM)
≥2	≥2	W	Factorial repeated measures ANOVA Linear Mixed Model (LMM)	Aligned Rank Transform (ART) Generalized Linear Mixed Model (GLMM)