Tests of Proportions

Samples	Response Categories	Tests
1	2	One-sample χ^2 test, binomial test
1	>2	One-sample χ^2 test, multinomial test
>1	≥2	*N*-sample χ^2 test, *G*-test, Fisher's exact test

OTHER TESTS
Shapiro-Wilk
Kolmogorov-Smirnov
Levene's test
Brown-Forsythe test

Analyses of Variance

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