

Overview of statistical tests

Type of dependent variable	Type of independent variable						
	Ordinal/categorical				Normal/interval (ordinal)	More than 1	None
	Two groups		More groups				
	Paired	Unpaired	Paired	Unpaired			
2 categories	McNemar Test, Sign-Test	Fisher Test, Chi-squared-Test	Cochran's Q-Test	Fisher Test, Chi-squared-test	(Conditional) Logistic Regression	Logistic Regression	Chi-squared-Test
Nominal	Bowker Test	Fisher Test, Chi-squared-Test		Fisher Test, Chi-squared-test	Multinomial logistic regression	Multinomial logistic regression	Binomial Test
Ordinal	Wilcoxon Test, Sign-Test	Wilcoxon-Mann-Whitney Test	Friedman-Test	Kruskal-Wallis Test	Spearman-rank-test	Ordered logit	Median Test
Interval	Wilcoxon Test, Sign-Test	Wilcoxon-Mann-Whitney Test	Friedman-Test	Kruskal-Wallis Test	Spearman-rank test	Multivariate linear model	Median Test
Normal	t-Test (for paired)	t-Test (for unpaired)	Linear Model (ANOVA)	Linear Model (ANOVA)	Pearson-Correlation-test	Multivariate Linear Model	t-Test
Censored Interval	Log-Rank Test		Survival Analysis, Cox proportional hazards regression				
None	Clustering, factor analysis, PCA, canonical correlation						