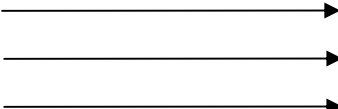


General Statistical Analysis Overview

Univariate Statistics and Tests		
Variable		Statistic and Test
Categorical (Dichotomous) (Dichotomous or politimous)		Frequency, percentages, mode, and: Binomial test, p One Variable Chi-Squared test, X^2 and p
Continuous		Frequency, percentages, range, minimum and maximum, mode, median, mean, sd
Bivariate Statistics and Tests		
Independent Variable	Dependent Variable	Statistic and Statistical Test
Categorical	Categorical	Crosstabs: cell frequencies & percentages Chi-Squared Test for Independence or Association, X^2 and p
Categorical*** (Two independent groups) (Two dependent groups) (More than two independent groups)	Continuous*** 	Mean (sd) by group, and: Independent samples t test, t and p Dependent samples t test, t and p One-Way ANOVA with post-hoc test F and p
Continuous	Continuous	Correlation, r and p Simple (Linear) Regression, F , adj. R^2 , b-coefficient, and p
Multivariate Tests		
Independent Variables	Dependent Variable	Statistical Test
Two categorical variables	Continuous	Two-Way ANOVA, F and p
Two or more continuous and/or categorical	Categorical (Dichotomous outcome) (Politimous outcome)	Logistic Regression, X^2 , Cox & Snell R^2 and p Discriminant Analysis (FYI, not covered)
Two or more continuous	Continuous	Multiple (Linear) Regression, F , adj. R^2 , b-coefficient, and p
Two or more continuous and/or categorical	Continuous	Multiple (Linear) Regression, w/ dummy coding, F , adj. R^2 , b-coefficient, and p

*** Note for t tests: For statistical test purposes, the IV and DV in your model can be switched in order to conduct an independent samples t test