Clinical Research Consulting Lab
Determining the Proper Statistical Test

Outcome / Dependent Variable	Type of Response Variable	Analysis of Interest	Number of Groups / Independent Variables	Statistical Test
Response	Continuous	Differences	2 Groups	t-test
			3+ Groups	ANOVA
		Relationships	1 independent variable	Pearson correlation
			2+ independent variables	Linear regression
	Categorical	Differences	2X2	Odds ratio, Relative Risk
			3+ Groups	Chi-square
		Relationships	1 independent variable	Spearman, Kendall correlations
			2+ independent variables	Logistic regression