



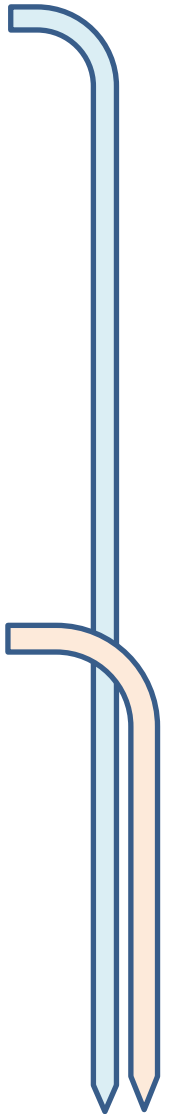



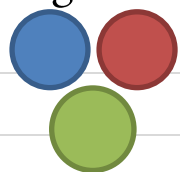


## Which tool to use for which project?

DV	Data structure	Analyses	Model type
DV is Continuous 	Independent Observations	T-test. Correlation. <b>ANOVA, ANCOVA.</b> Repeated Measures ANOVA <b>Linear Regression.</b>	<b>General Linear Model</b>
DV is Continuous 	Correlated Data	Paired t-test. Linear “Mixed” Models: Repeated Measures, Random Effects, (HLM).	<b>General Linear <u>Mixed</u> Model</b>
DV is Categorical 	Independent Observations	Pearson Chi-square test. Logistic Regression. Poisson, Neg. Binomial.	<b>Generalized <u>Linear</u> Model</b>
DV is Categorical 	Correlated Data	Repeated Measures Logistic Regression. GEE, GLIMMIX	<b>Generalized <u>Linear</u> <u>Mixed</u> Model</b>



Independent Observations		
DV is Continuous 	IV is Categorical 	T-test (1 IV: 2 groups (Binary)), One way ANOVA (1 IV: >2 groups), Two-way ANOVA (2 IV's) Factorial ANOVA (>2 IV's)
	IV is Continuous 	Pearson Correlation (1 IV) Simple Linear Regression (1 IV) Multiple Linear Regression (>1 IV)
	Any IV's	ANCOVA Multiple Linear Regression
Multiple DV's, (Continuous)		Paired T-test (1 IV, 2 levels) Repeated Measures ANOVA (≥2 levels) MANOVA (≥2 DV's)
DV is Categorical 	IV is Categorical	Pearson Chi-square (1 IV). Logistic Regression (>1 IV).
2 levels	Any IV's	Binary Logistic Regression (any IV).
>2 levels		Multinomial Logistic Regression (any IV).
DV is Counts	Any IV's	Poisson Regression Neg. Binomial Regression.

