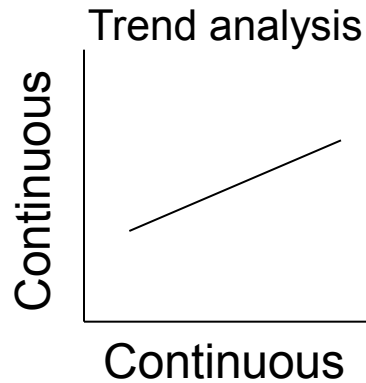


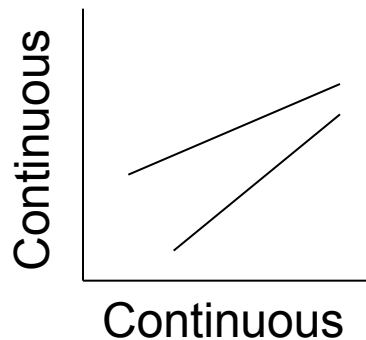
General linear models and nonparametric alternative tests



	Parametric	Nonparametric
Unknown relationship	Pearson correlation	Spearman correlation
Causal relationship	Linear regression	Spearman correlation (Nonparametric regression)

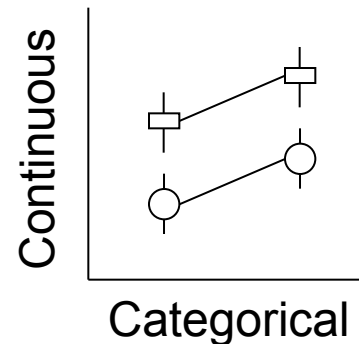
Differences between samples		Parametric	Nonparametric
<p>2 samples</p>	Dependent Data	Paired t-test	Paired Wilcoxon test
	Independent data	t-test	Wilcoxon test U-test
<p>> 2 samples</p>	Dependent data	ANOVAR	Freidman test
	Independent data	One way ANOVA	Kruskal-Wallis test
		Pair wise comparisons among all categories - Post-hoc test	

Continuous and categorical variables



ANCOVA

Two or more categorical variables



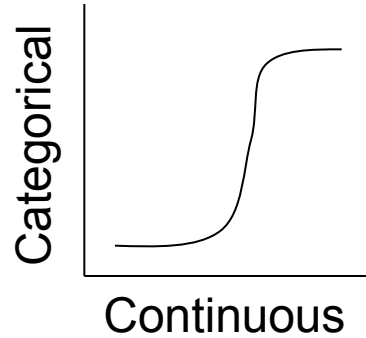
Two way ANOVA

Note! If $p < 0.05$
then reject H_0

Two or more
explanatory
variables

Generalized linear models and χ^2 test

Trend analysis



Logistic regression

Differences between samples

Trend analysis

	Categorical	
	0	1
A	34	52
B	14	38

Chi-square test

Logistic regression