

# Key to Stats Tests

		Identify Dependent Variable		
		<u>Continuous</u>		<u>Categorical</u>
Identify Independent Variable		<i>Normal Distribution</i>	<i>Unknown Distribution</i>	
None. I want to:	Describe data	mean, SE, CI	median, quantiles	proportion, SE, CI
	Compare to known value/distribution/ to 2 <sup>nd</sup> continuous variable	t-test  correlation	Wilcoxon signed ranks  Spearman rank correlation	sign test chi-square GOF
<u>1 Categorical</u>	2 groups	t-test paired t-test	Mann-Whitney U	Chi-square independence
	> 2 groups	1-Factor ANOVA	Kruskal-Wallis	Chi-square independence
<u>2 Categorical</u>		2-Factor ANOVA	Friedman's	multi-dimensional contingency tables
<u>Continuous</u>		Regression		Logistic Regression
<u>Continuous &amp; Categorical</u>		ANCOVA		Logistic Regression