Comparing Two Populations - Independent Samples	
Parametric Tests	**Non-Parametric Tests**
Data: Numerical Samples: Independent and Normal *t - Test* R code: t.test()	Data: Ordinal or Numerical but Non-Normal Samples: Independent *Wilcoxon Rank Sum Test* R code: wilcox.test()

Comparing Two Populations - Matched Pairs	
Parametric Tests	**Non-Parametric Tests**
Data: Numerical Samples: Paired Sample Difference: Normal *t - Test* R code: t.test()	Data: Numerical but Non-Normal Samples: Paired Sample Difference: Non-Normal *Wilcoxon Signed Rank Sum Test* R code: wilcox.test()
	Data: Ordinal Samples: Paired *Sign Test* R code: SIGN.test()

Comparing Three or More Populations	
Parametric Tests	**Non-Parametric Tests**
Data: Numerical Samples: Independent and Normal *ANOVA* R code: aov()	Data: Ordinal or Numerical but Non-Normal Samples: Independent *Kruskal-Wallis* R code: kruskal.test()

Describing a Population	
Hypothesis Testing - Mean	**Hypothesis Testing - Proportion**
Data: Numerical and Normal Test our belief about population mean *t-Test* R code: t.test()	Data: Numerical and Normal Test our belief about population proportion *proportion Test* R code: prop.test()

Chi-square Tests	
Comparing Two Variables	**More than Two Outcomes with Proportions**
Data: Nominal Test independence between two nominal variables *Chi-square Independence Test* R code: chisq.test()	Data: Nominal or Ordinal Test a hypothesis that involves three or more proportions *Chi-square Goodness-of-fit Test* R code: chisq.test()