Exercise

# Hypothesis Tests

For each of the Hypothesis tests listed, place an “X” in all appropriate column categories:

* Normal or non-normal data – if it does not matter, check both
* Discrete data, continuous data, one discrete parament and one continuous parameter
* One variable/sample, two variables/samples, or more than two variables/samples

A test could be applicable in more than one column. For instance, a test that applies to two or more samples would have an “X” in both the two sample and more than two sample columns.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test | Normal | Non-Normal | Both Discrete | Both Continuous | One Discrete and One Continuous | One variable or sample | Two variables or samples | More than two variables or samples |
| Bartlett’s Test |  |  |  |  |  |  |  |  |
| Chi-Square |  |  |  |  |  |  |  |  |
| Correlation |  |  |  |  |  |  |  |  |
| F Test |  |  |  |  |  |  |  |  |
| Friedman |  |  |  |  |  |  |  |  |
| Kruskal-Wallis |  |  |  |  |  |  |  |  |
| Levene’s Test |  |  |  |  |  |  |  |  |
| Mann-Whitney |  |  |  |  |  |  |  |  |
| Mood’s Median |  |  |  |  |  |  |  |  |
| Multiple Regression |  |  |  |  |  |  |  |  |
| One Sample Sign Test |  |  |  |  |  |  |  |  |
| One Sample T-Test |  |  |  |  |  |  |  |  |
| One Sample Test of Proportions |  |  |  |  |  |  |  |  |
| One Sample Wilcoxon |  |  |  |  |  |  |  |  |
| One-way ANOVA |  |  |  |  |  |  |  |  |
| Paired T-Test |  |  |  |  |  |  |  |  |
| Simple Linear Regression |  |  |  |  |  |  |  |  |
| Two Sample T-Test |  |  |  |  |  |  |  |  |
| Two Sample Test of Proportions |  |  |  |  |  |  |  |  |