Common Statistical Tests

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# This is a list of the common statistical tests we have used in class

I hope this serves as a resource you can use in the future when you are doing data analysis.

I have provided the common tests we have done with a lot of detail that will help you remember how to approach these questions and how to run the tests.

My hope is to organize them into:

* types of data used for the test
* assumptions of the test
* hypotheses tested
* example data
* mechanics of the test
* explicit tests of the assumptions
* follow up tests if appropriate
* example graphs and associated code
* how to write up the references section

| Statistical Test | webpage | code |
| --- | --- | --- |
| **Two Sample Test** |  | r\_code\_only |
| Parametric Two Sample TTest | [web](01_two_sample_ttest.qmd) | code |
| NonParametric Welches Two Sample Test | [web](02_two_sample_welches_ttest.qmd) | code |
| NonParametric Permutation Two Sample Test | [web](03_two_sample_permutation_test.qmd) | code |
| NonParametric Mann Whitney U Two Sample Test | [web](04_two_sample_mann_whitney_u_test.qmd) | code |