**Student’s T-test**

* Used to verify if there’s significant difference between two datasets
* Assumptions:
  + Both datasets follow a normal distribution
  + Both datasets are independent of each other
* If the variance of the distributions of the datasets is different, cannot use the **student’s T-test**

**Welch’s t-Test**

* Called the *unequal variance test*
* Still requires both datasets to be normally distributed

**Key Terms**

* **Test statistic:** Result from the experiment calculated for the sample
* **P-value:** The probability of observing the test statistics assuming the null hypothesis is true