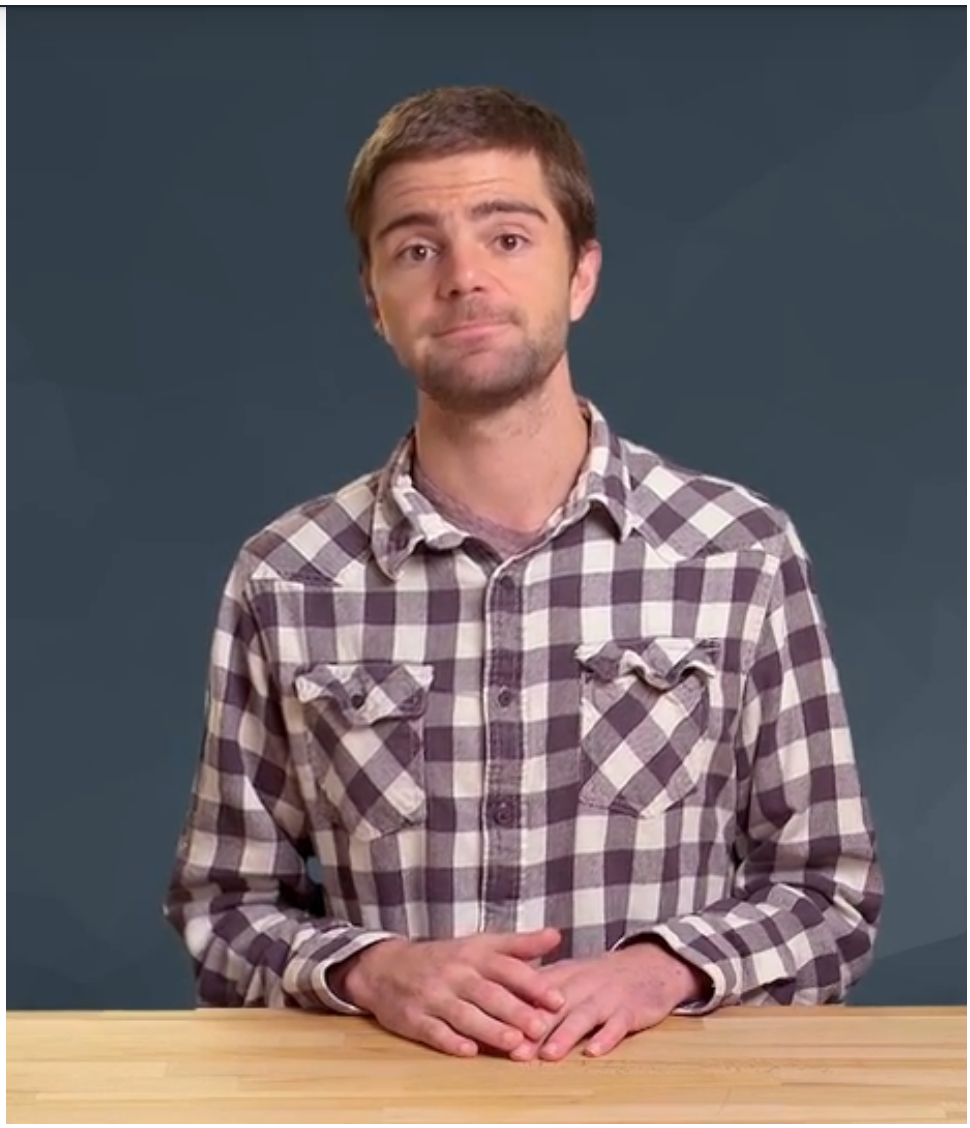

When performing more than one hypothesis test, your type I error compound this, a common technique is called the **Bonferroni** correction. This correction but says that your new type I error rate should be the error rate you actually w number of tests you are performing.

Therefore, if you would like to hold a type I error rate of 1% for each of 20 hyp **Bonferroni** corrected rate would be 0.01/20 = 0.0005. This would be the new r your comparison to the p-value for each of the 20 tests to make your decision

Other Techniques

Additional techniques to protect against compounding type I errors include:

1. Tukey correction
2. Q-values