

HYPOTHESIS TESTING

I. DEFINITIONS

Null Hypothesis = no change, or the treatment did not have an effect $\rightarrow H_0$

- If H_0 is true, then the raw score should not be significantly different to the mean

Alternate Hypothesis = there was a change, or the treatment had an effect $\rightarrow H_1$

- If H_1 is true, then the raw score should be significantly different from the mean

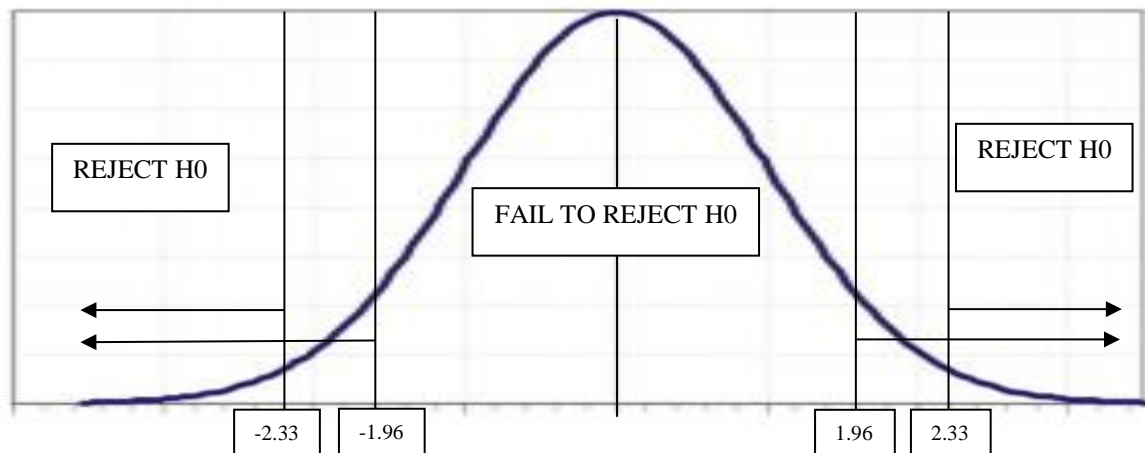
Alpha of .05 means that you accept the null 95% of the time

- The z-score correlated with an alpha of .05 is 1.96

Alpha of .01 means that you accept the null 99% of the time

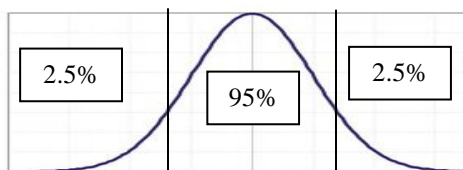
- The z-score correlated with an alpha of .01 is 2.33

II. GRAPHICALLY

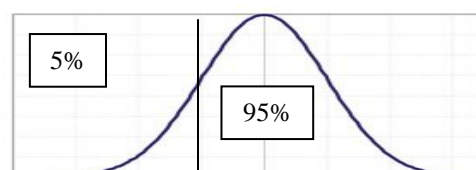


III. TWO-TAILED VS. ONE-TAILED

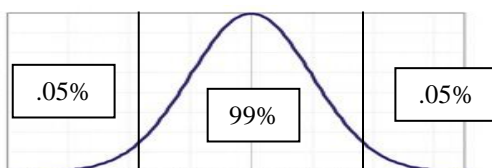
Two-tailed test--.05 alpha



One-tailed test--.05 alpha



Two-tailed test--.01 alpha



One-tailed test--.01 alpha

