

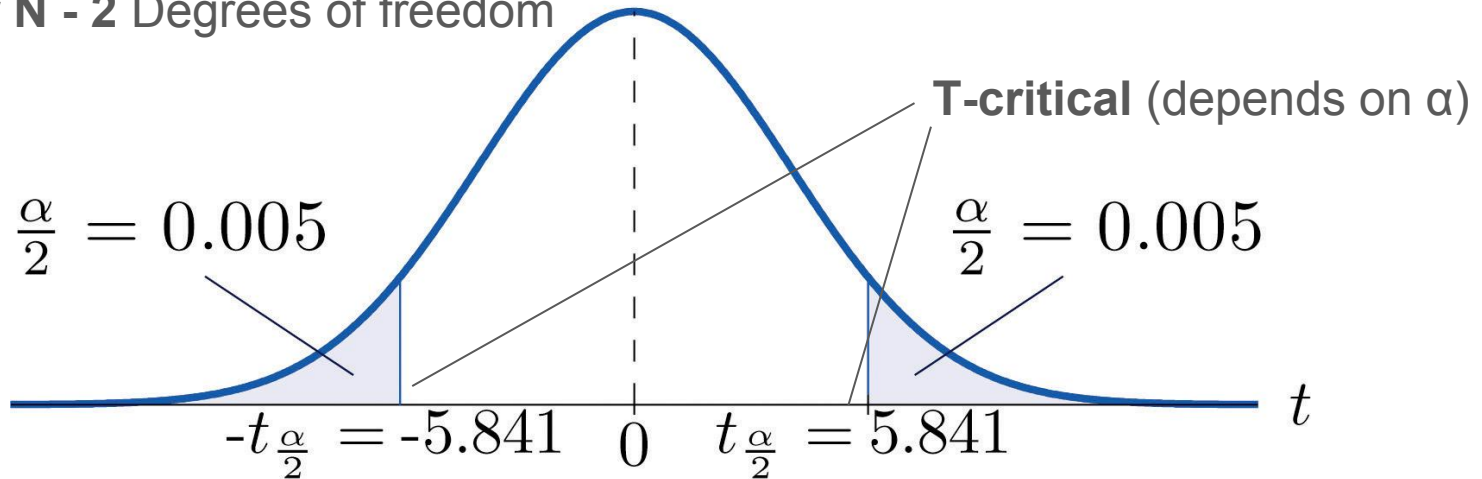
## T-test

$H_a: \mu \neq \mu$  -> t-value > t-critical -> Alternative hypothesis true

$H_o: \mu = \mu$  -> t-value < t-critical -> Null hypothesis true

$\alpha$ : **0.05 or 0.01** Accuracy of our conclusion -> Significance level

df: **N - 1 or N - 2** Degrees of freedom



T-test when:

- Normally distributed populations
- Small sample sizes

