1. define two competing models about treatment mean pe;

2 convert observed deta (X) to a standardited score

$$2 = \frac{X - \mu}{\sigma / \tau_{N}} \quad (if \sigma is known)$$

•
$$t = \frac{\overline{X} - \mu}{\overline{\partial} / \overline{J} \overline{N}}$$
 (if σ unknown estimate with $\hat{\sigma} = \sqrt{\frac{SS}{N-1}}$)

3. compute probability of observing score (or more extreme)

If p < 0.05, data is rare under 11, so 11, doesn's

ly reject 16. -> there is a significant change