

Difference of Two Means
 $n \geq 30$
 - 2-Samp Z test
 $n < 30$
 - 2-Samp T test

$H_0: \mu_1 = \mu_2$ $\mu_1 \leq \mu_2$ $\mu_1 \geq \mu_2$
 $H_a: \mu_1 \neq \mu_2$ $\mu_1 > \mu_2$ $\mu_1 < \mu_2$

two-tailed right left

Paired Differences (Subtraction)
 $H_0: \mu_d = 0$ $\mu_d \leq 0$ $\mu_d \geq 0$
 $H_a: \mu_d \neq 0$ $\mu_d > 0$ $\mu_d < 0$

- T test

Difference of 2 proportions
 $H_0: p_1 = p_2$ $p_1 \leq p_2$ $p_1 \geq p_2$
 $H_a: p_1 \neq p_2$ $p_1 > p_2$ $p_1 < p_2$

- 2-Prop Z Test

Apr 30-8:25 AM

$P_{\text{value}} \leq \alpha$ Reject H_0
 Support H_a

There is sufficient evidence at the ___ l of sig. to reject/accept

$P_{\text{value}} > \alpha$ Fail to reject H_0
 Fail to support H_a

There is insufficient evidence at the ___ l of sig. to reject/accept

Apr 30-8:34 AM