

Let $X_1 \sim N(\mu_1, \sigma_1)$ and $X_2 \sim N(\mu_2, \sigma_2)$.

A sample of 26 X_1 s were collected. From this sample ($\bar{x} = 50$) and ($s = 16$).

A sample of 28 X_2 s were collected. From this sample ($\bar{x} = 38$) and ($s = 30$).

Assuming that $\sigma_1 \neq \sigma_2$, perform the test $H_0: \mu_1 = \mu_2$

$H_A: \mu_1 \neq \mu_2$

Let $\alpha = .10$

