

$$d = \frac{\underline{M} - \mu}{\sigma} = \frac{115 - 100}{15} = 1$$

$$n = 25$$

$$Z = \frac{\underline{M} - \mu}{SE} = \frac{115 - 100}{3} = 5$$

$$L < 1\sigma = .8$$

$$\text{medium} = .5$$

$$\text{small} = .2$$

Reject H_0

Fail to Reject

Research H.
False True

Type I $\alpha = .05$	Good Power
Good	Type II $\beta =$

$$1 = \text{power} + \beta$$

$$\beta = 1 - \text{power}$$

