

Sample Size

(How large a sample should we select to ----- ?)

For the Mean

$$n = \left(\frac{z^* \sigma}{m} \right)^2$$

↓
has a "σ"

For the Proportion

$$n = \left(\frac{z^*}{m} \right)^2 p^* (1 - p^*)$$

↓
No "σ"