CONFIDENCE LEVEL
Sample Size Determination
Fall 2020

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Step 1: Select a Confidence Level (CL) (Typically 95%)

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Step 2: Determine the Sample Size

$$n = \frac{z^2 \sigma^2}{E^2}$$

$$n = \frac{(1.96)^2 (100)^2}{(5)^2}$$

$$n = \frac{(3.84)(10{,}000)}{(25)}$$

$$n = \frac{38{,}400}{25} = 1536$$