

## 11: Sample Size to Estimate a Population Mean

### Sample Size to Estimate a Population Mean

This calculator calculates the sample size needed to estimate a population mean. Please report the error to Dr. Jessica Kuang at [jkuangATvcccd.edu](mailto:jkuangATvcccd.edu).

To learn how to use this calculator, please watch a [short video](#) here.

#### Input

Fill in the population standard deviation ( $\sigma$ ), the error bound (E), and the confidence level (CL). Write the confidence level as a decimal. For example, for a 95% confidence level, enter 0.95 for CL. Then hit Calculate and assuming the population is normally distributed, the necessary sample size will be shown.

Standard Deviation ( $\sigma$ ):

Error Bound (E, enter a decimal):

Confidence Level (enter a decimal):

#### Output

Calculate

Sample Size (n):

Scientific Calculator

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