

10: Confidence Interval for a Population Mean Given Data

Confidence Interval for a Population Mean Given Data

This calculator creates a confidence interval for a population mean given a set of data. Please report the error to Dr. Jessica Kuang at jkuangATvcccd.edu.

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

Input

Type in the values from the data set separated by commas, for example, 2,4,5,8,11,2. Then type in the confidence level (CL) and hit Calculate. Write the confidence level as a decimal. For example, for a 95% confidence level, enter 0.95.

Data:

Confidence Level (enter a decimal):

Calculate

Output

Sample Mean (\bar{x}):

Standard Deviation (s):

Lower Bound:

Upper Bound:

Scientific Calculator

10: Confidence Interval for a Population Mean Given Data is shared under a [CC BY](#) license and was authored, remixed, and/or curated by LibreTexts.