

7: Confidence Interval for a Population Proportion

Confidence Interval for a Population Proportion

This calculator creates confidence intervals for a population proportion given statistics. 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

Fill in the sample size (n), the number of successes (x), and the confidence level (CL), then hit Calculate. Write the confidence level as a decimal. For example, for a 95% confidence level, enter 0.95.

Sample Size (n):

Number of Successes (X):

Confidence Level (enter a decimal):

Calculate

Output

Point Estimate (\hat{p}):

Lower Bound:

Upper Bound:

Scientific Calculator

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