

15: Two Independent Proportions Comparison

Two Independent Proportions Comparison

This calculator performs the hypothesis test and also constructs a confidence interval for $p_1 - p_2$ 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

Enter the sample size and the number of successes for each sample, choose the test, and enter the confidence level then hit Calculate. The test statistic, p-value, and the boundaries of the confidence interval will be shown. Be sure to enter the confidence level as a decimal, e.g., enter 95% as 0.95.

	Sample Size (N)	Number of Successes (X)
First Sample	<input type="text"/>	<input type="text"/>
	choose a test <input checked="" type="radio"/> $<$ <input type="radio"/> $>$ <input type="radio"/> \neq	
Second Sample	<input type="text"/>	<input type="text"/>

Confidence Level (enter a decimal):

Calculate

Output

Test Statistics (z):

p-value:

Lower Bound:

Upper Bound:

Scientific Calculator

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