

13: Hypothesis Test for a Population Mean Given Statistics

Hypothesis Test for a Population Mean given Statistics

This calculator performs the hypothesis test for a population mean 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

Select if the population standard deviation, σ , is known or unknown. Then fill in the sample size (n), the sample mean (\bar{x}), the standard deviation (s), the hypothesized population mean μ_0 , and indicate if the test is left tailed ($<$), right tailed ($>$), or two tailed (\neq), then click Calculate.

Standard Deviation (s)

Sample Size (n):

Sample Mean (\bar{x}):

Choose the test

- ☒ $<$
☐ $>$
☐ \neq

Hypothesized Population Mean (μ_0):

Calculate

Output

Test Statistic (t)

p-value

Scientific Calculator

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