How to use the 365 Data Science P-VALUE CALCULATOR

365√DataScience

What is a p-value calculator?

A p-value calculator is a software that has an input your test statistic, (and the degrees of freedom, if applicable) that returns the p-value for the test.

For your convenience, we have developed the 365 Data Science P-value calculator that you can find here:

https://365datascience.com/calculators/p-value-calculator/



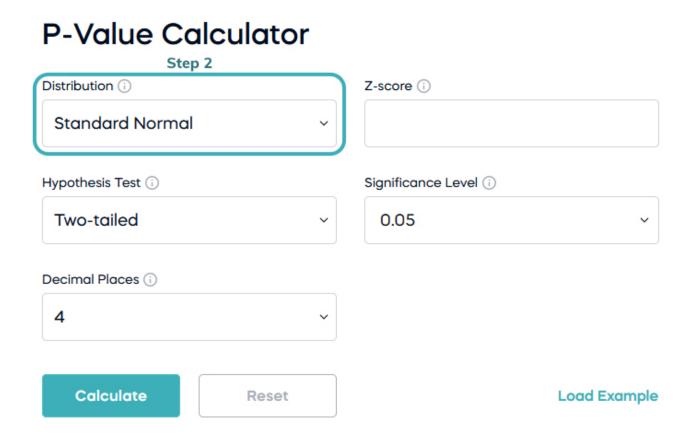
How to use the 365 Data Science online p-value calculator?

Step 1: Go to

https://365datascience.com/calculators/p-value-calculator/

Step 2: Choose the appropriate distribution for your data. The calculator will then automatically choose the relevant test for you.

In this course, we cover tests associated with the Z-score, t-score, and the F-ratio score.





P-value from Z-score

P-Value Calculator

Step 1: Type in the Z-score you got from your test.

Step 2: Determine the alternative hypothesis. Choose whether it is left-tailed, right-tailed, or two-tailed.

Step 3: Specify the desired level of significance.

Step 4: Choose the number of digits after the decimal point to increase the precision of your results.

Step 5: Click calculate.

Distribution (i) Z-score (i) Step 1 Standard Normal \sim Significance Level (1) Hypothesis Test (i) Step 2 Step 3 Two-tailed 0.05 Decimal Places (i) Step 4 Step 5 Calculate **Load Example** Reset

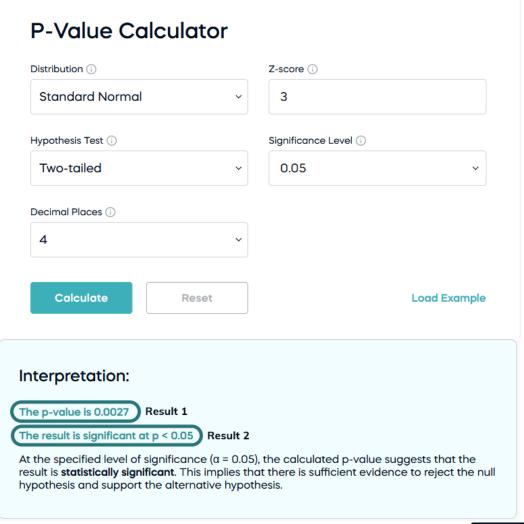
P-value from Z-score (Example)

After clicking 'Calculate', you would instantly get two results.

Result 1: The p-value of the test.

Result 2: The decision, based on the information you entered above.

Note: The 365 Data Science calculator not only computes results but also interprets them for you.



P-value from t-score

Step 1: Type in the t-score you got from your test.

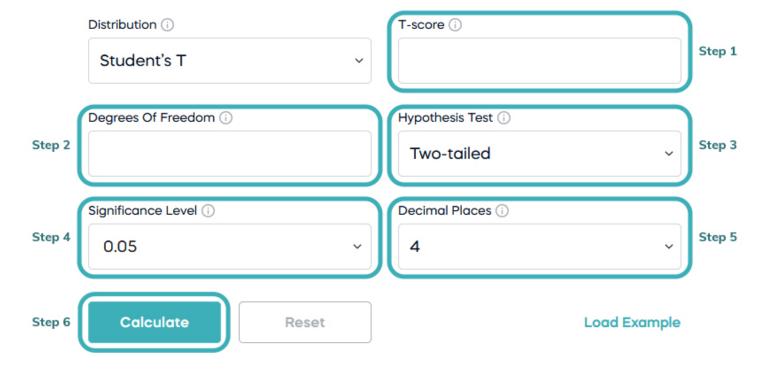
Step 2: Type in the degrees of freedom associated with your test.

Step 3 Choose if this is a left-tailed, right-tailed, or two-tailed test.

Step 4: Choose the significance level.

Step 5: Choose the number of digits after the decimal point to increase the precision of your results.

Step 6: Click calculate.



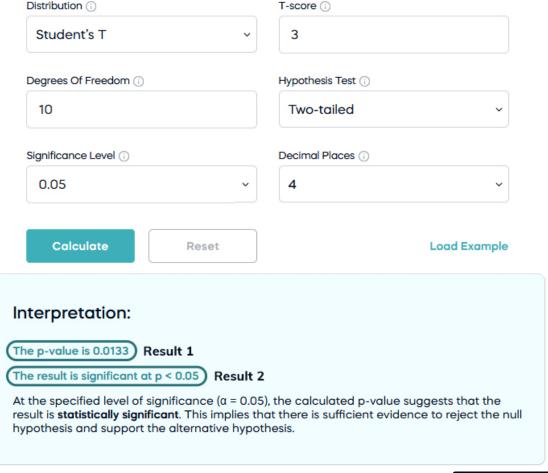
P-value from t-score (Example)

After clicking 'Calculate', you would instantly get two results.

Result 1: The p-value of the test.

Result 2: The decision, based on the information you entered above.

Note: The 365 Data Science calculator not only computes results but also interprets them for you.





P-value from F-score

Step 1: Type in the F-score you got from your test.

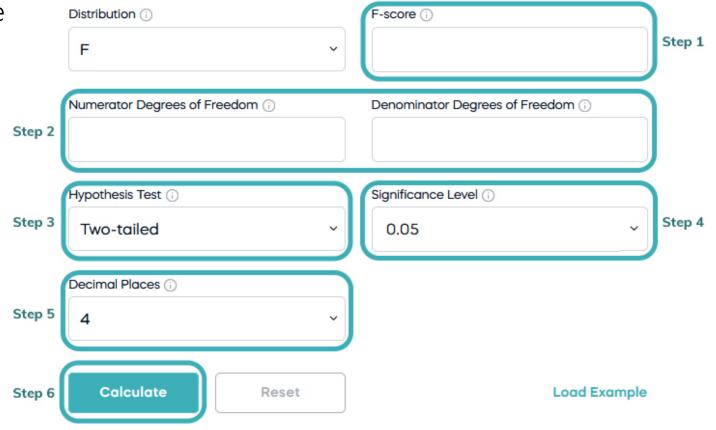
Step 2: Enter the degrees of freedom for both the numerator and denominator related to your test.

Step 3: Choose if this is a left-tailed, right-tailed, or two-tailed test.

Step 4: Choose the significance level.

Step 5: Choose the number of digits after the decimal point to increase the precision of your results.

Step 6: Click calculate.



P-value from F-score (Example)

After clicking 'Calculate', you would instantly get two results.

Result 1: The p-value of the test.

Result 2: The decision, based on the information you entered above.

Note: The 365 Data Science calculator not only computes results but also interprets them for you.

