How to use an online P-value calculator

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.

There are various online solutions, however, the one I would normally use is by socstatistics @

<u> http://www.socscistatistics.com</u>





How to use the socstatistics online p-value calculator?

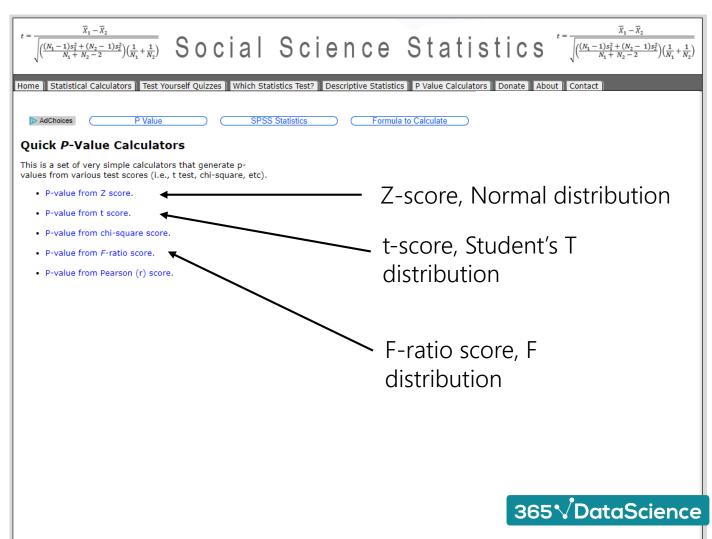
Step 1: Go to

http://www.socscistatistics.com/pvalues/

There are several choices available depending on the test you need.

Step 2: Choose the test applicable to your problem and click on the link.

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



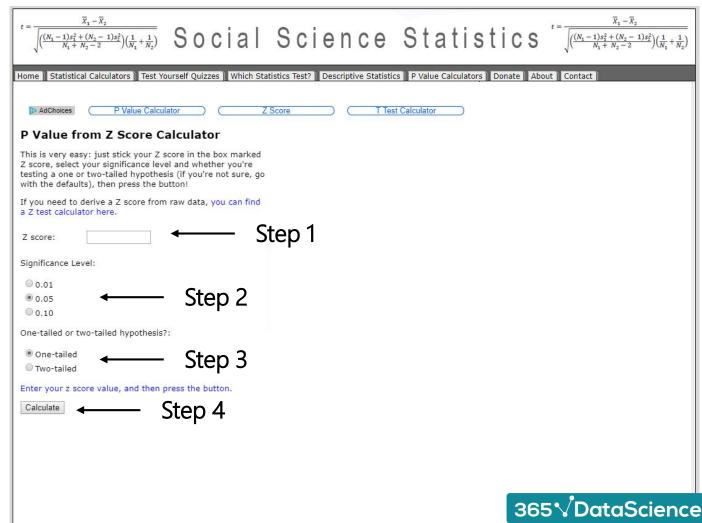
P-value from Z-score

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

Step 2 (optional): Choose the significance level, if you want to get the result for your test.

Step 3: Choose if this is a one-tailed or two-tailed test.

Step 4: Click calculate.



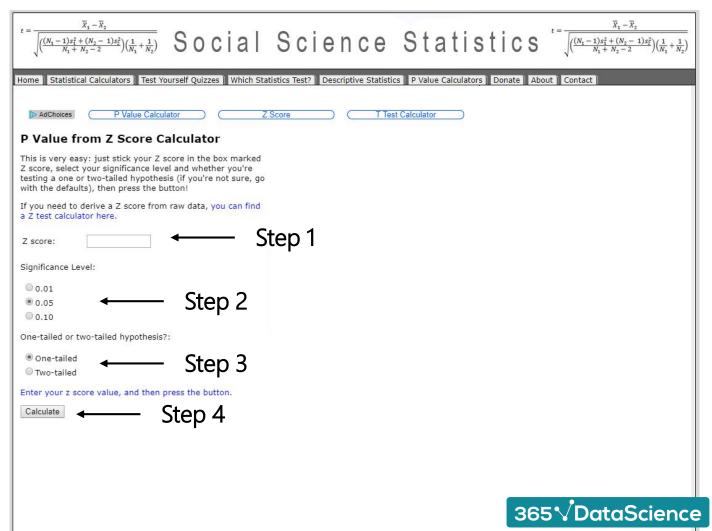
P-value from Z-score

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

Step 2 (optional): Choose the significance level, if you want to get the decision for your test.

Step 3: Choose if this is a one-tailed or two-tailed test.

Step 4: Click calculate.



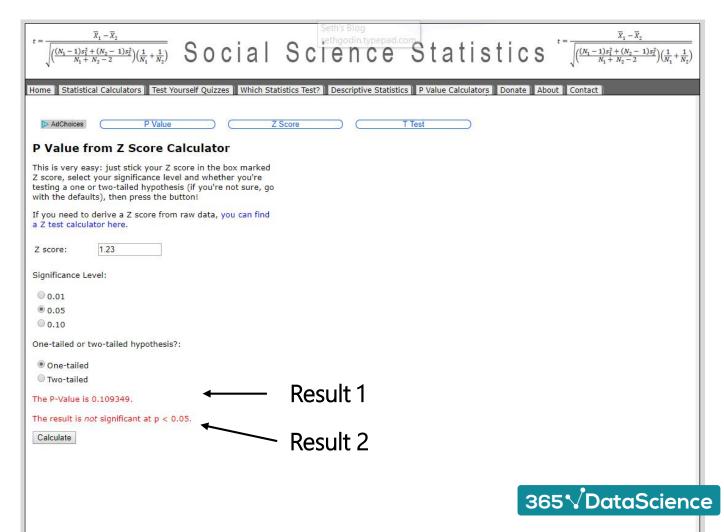
P-value from Z-score. Example result (Part 1)

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: When using this online p-value calculator, a red color of the text means that the result is **not significant**, given the significance level you have chosen.



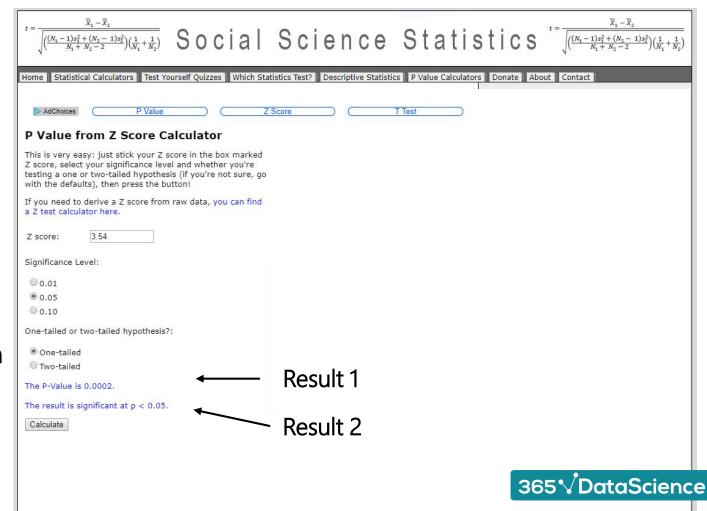
P-value from Z-score. Example result (Part 2)

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: When using this online p-value calculator, a blue color of the text means that the result is **significant**, given the significance level you have chosen.



P-value from t-score

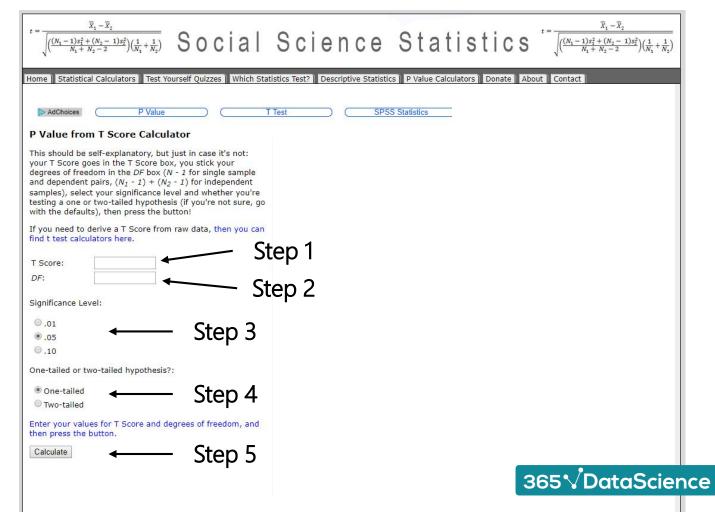
Step 1: Type in the t-score you got from your test.

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

Step 3 (optional): Choose the significance level, if you want to get the decision for your test.

Step 4: Choose if this is a one-tailed or two-tailed test.

Step 5: Click calculate.



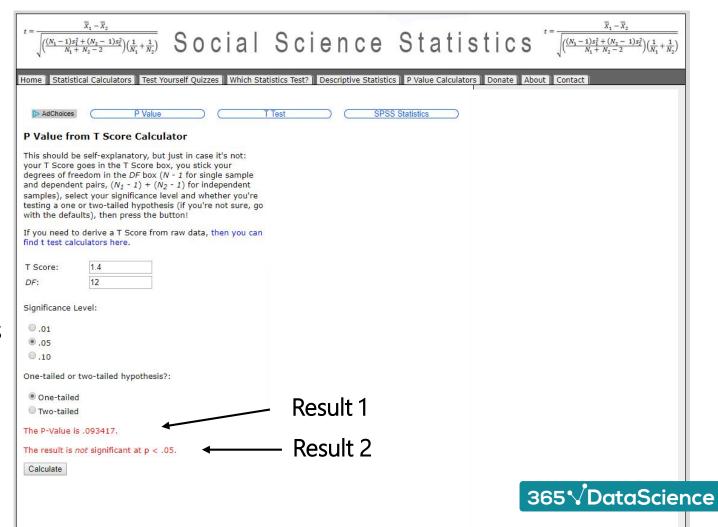
P-value from t-score. Example result (Part 1)

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: When using this online p-value calculator, a red color of the text means that the result is **not significant**, given the significance level you have chosen.



P-value from t-score. Example result (Part 2)

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: When using this online p-value calculator, a blue color of the text means that the result is **significant**, given the significance level you have chosen.

