

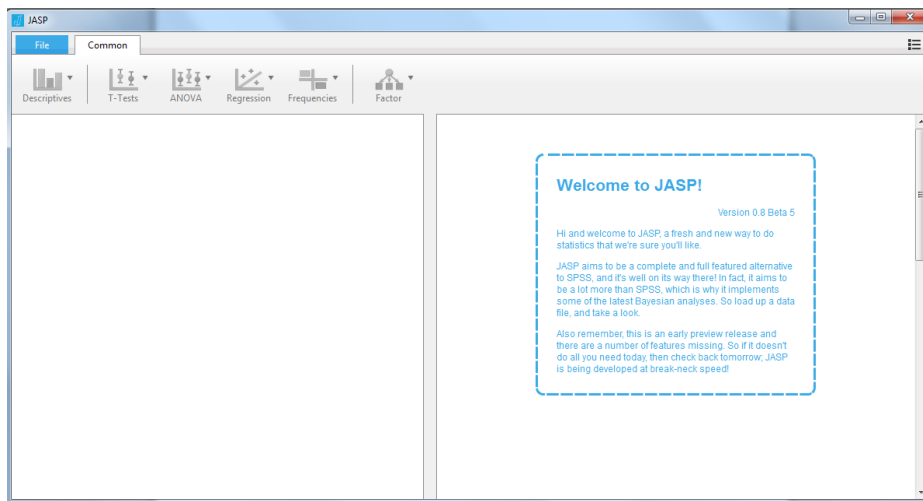
Exercise - JASP

Install JASP

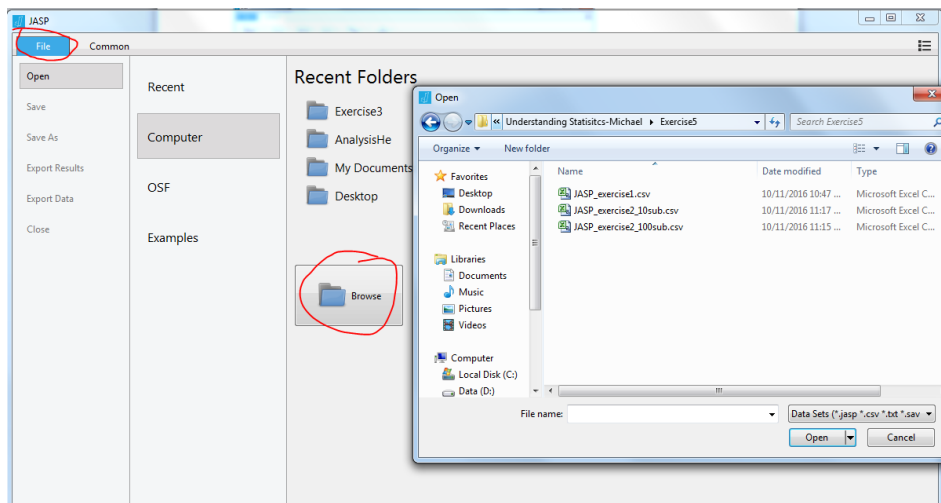
Download link: <https://jasp-stats.org/download/>

Download the latest version of JASP (8.0.0) based on your operating system and install it.

1. Start JASP



2. Open a file (.csv) in JASP by clicking 'File' – 'Open' – 'Computer' – 'Browse', then choose the file you need



Exercise 1

1. Load the file 'JASP_exercise1.csv', use the Independent Samples T-test to analyze if there is a difference on WeightLose between two diet methods. Set different hypothesis and check the results. What is the effect size?
2. Load the file 'JASP_exercise1.csv', use the Independent Samples T-test to analyze if there is a difference on WeightLose between genders. Set different hypothesis and check the results. What is the effect size?

Exercise 2

1. Load the file 'JASP_exercise2_10sub.csv', use the Independent Samples T-test to analyze if there is a difference on WeightGain between treatment A and B.
2. Load the file 'JASP_exercise2_100sub.csv', use the Independent Samples T-test to analyze if there is a difference on WeightGain between treatment A and B. What are the differences between Exercise 2.1 and 2.2? Why?

Exercise 3

Load the file 'JASP_exercise3.csv'. The table contains values corresponding to blood glucose levels (mmol/L) of diabetes patients, before and after pharmacological treatment. Carry out the appropriate test(s) in order to determine whether the treatment was effective.

Exercise 4

Design with your own experiment and hypothesis. Simulate the data and copy it in the correct format into a .csv file (see the examples above). Use JASP to test your hypothesis.