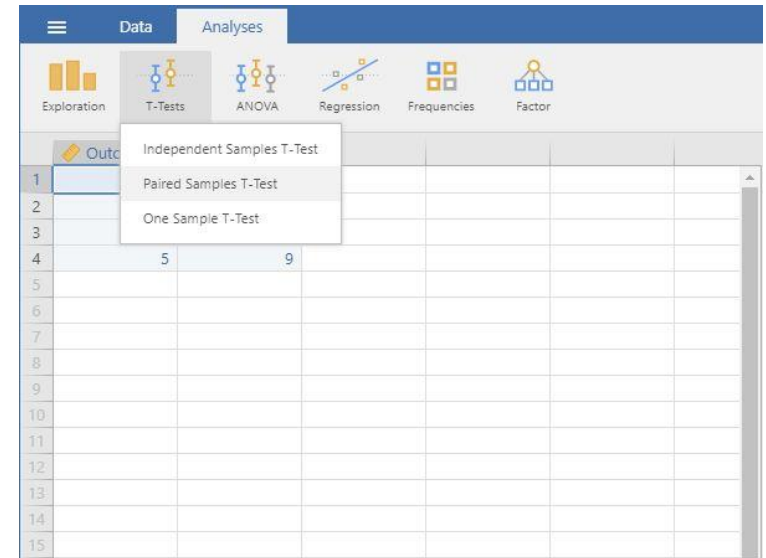


Paired Samples t Test

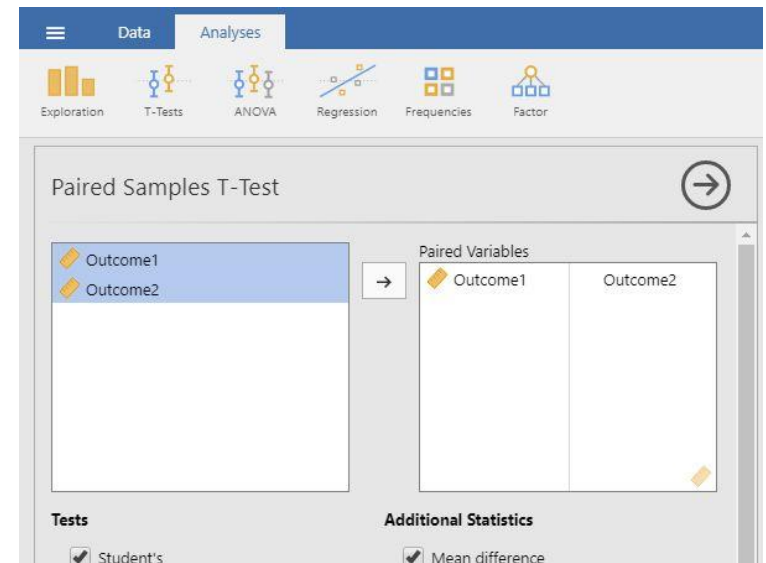
Selecting the Analysis

1. First, enter paired samples data (described elsewhere).
2. On the “Analysis” tab, Select the “T-Tests → Paired Samples T-Test” option.



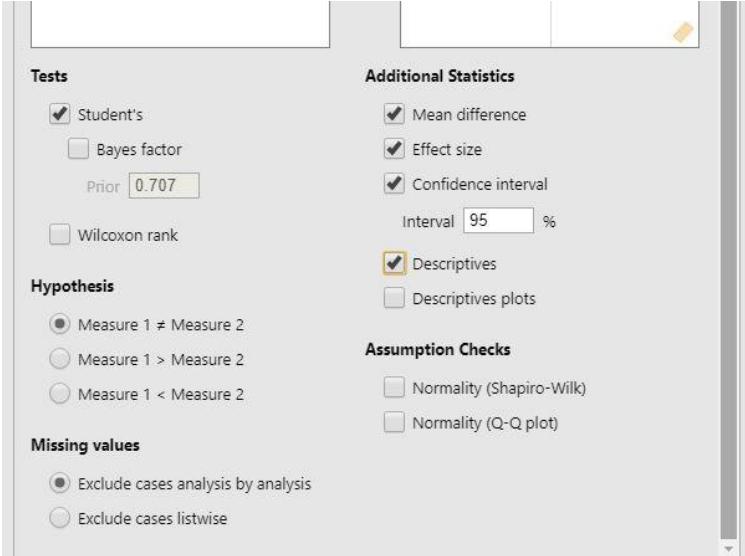
Obtaining Inferential Statistics

3. A set of options will then appear for you to choose the variables and statistics of interest.
4. Select the variables you wish to analyze by clicking on both of them while holding down the “CTRL” key. Then click on the arrow to move the pair of variables to the right-hand box.
5. Output will automatically appear on the right side of the window.



Obtaining Additional Statistics

6. If you wish to view (and alter) the width of the confidence interval, check the “Confidence Interval” box.
7. Similarly, select other options that are important for you: “Mean Difference” will display the size of the difference between the two means; “Effect size” will display Cohen’s d; and “Descriptives” will offer means and standard deviations for each variable.
8. Updated output will automatically appear on the right side of the window.



The screenshot shows the 'Additional Statistics' dialog box in SPSS. The 'Tests' section on the left has 'Student's' checked, 'Bayes factor' unchecked with a 'Prior' of 0.707, and 'Wilcoxon rank' unchecked. The 'Hypothesis' section has 'Measure 1 ≠ Measure 2' selected. The 'Missing values' section has 'Exclude cases analysis by analysis' selected. The 'Additional Statistics' section on the right has 'Mean difference', 'Effect size', and 'Confidence interval' checked, with the confidence interval set to 95%. 'Descriptives' is also checked, while 'Descriptives plots' is unchecked. The 'Assumption Checks' section has both 'Normality (Shapiro-Wilk)' and 'Normality (Q-Q plot)' unchecked.

Section	Option	Status
Tests	Student's	Checked
	Bayes factor	Unchecked
	Wilcoxon rank	Unchecked
Hypothesis	Measure 1 ≠ Measure 2	Selected
	Measure 1 > Measure 2	Unselected
	Measure 1 < Measure 2	Unselected
Missing values	Exclude cases analysis by analysis	Selected
	Exclude cases listwise	Unselected
Additional Statistics	Mean difference	Checked
	Effect size	Checked
	Confidence interval	Checked
	Interval	95 %
	Descriptives	Checked
Assumption Checks	Descriptives plots	Unchecked
	Normality (Shapiro-Wilk)	Unchecked
	Normality (Q-Q plot)	Unchecked