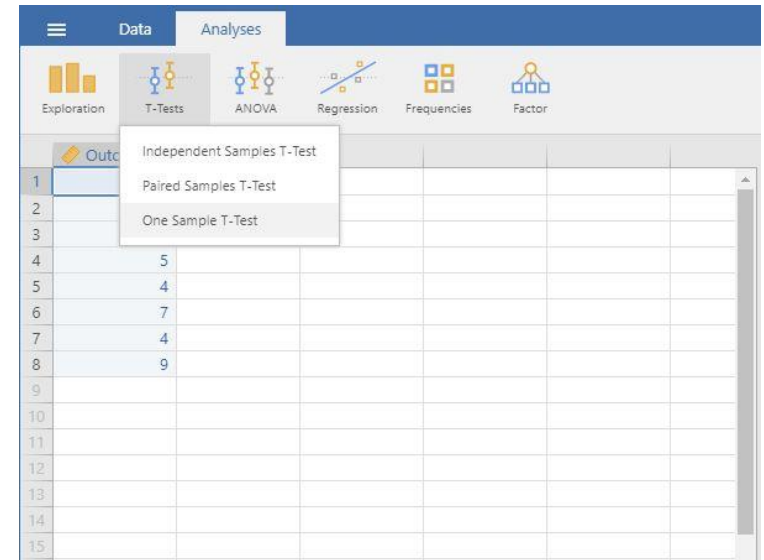


Confidence Interval for a Mean

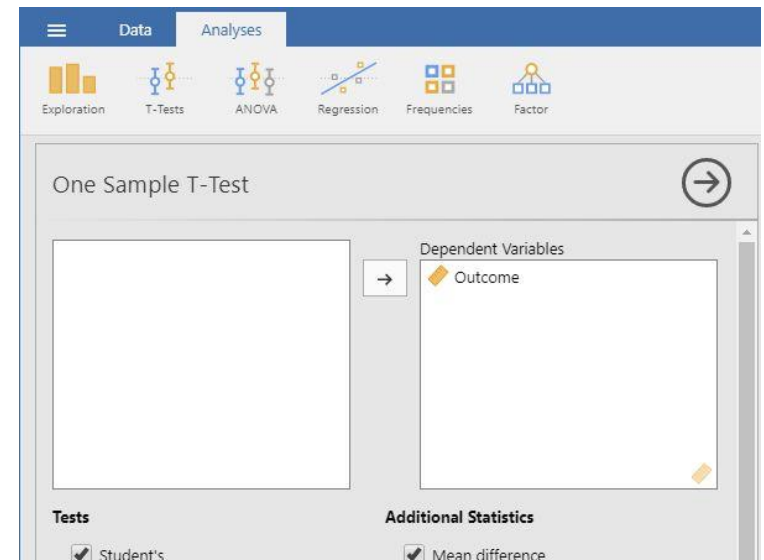
Selecting the Analysis

1. First, enter the data (described elsewhere).
2. On the “Analysis” tab, select the “T-Tests → One Sample T-Test” option.



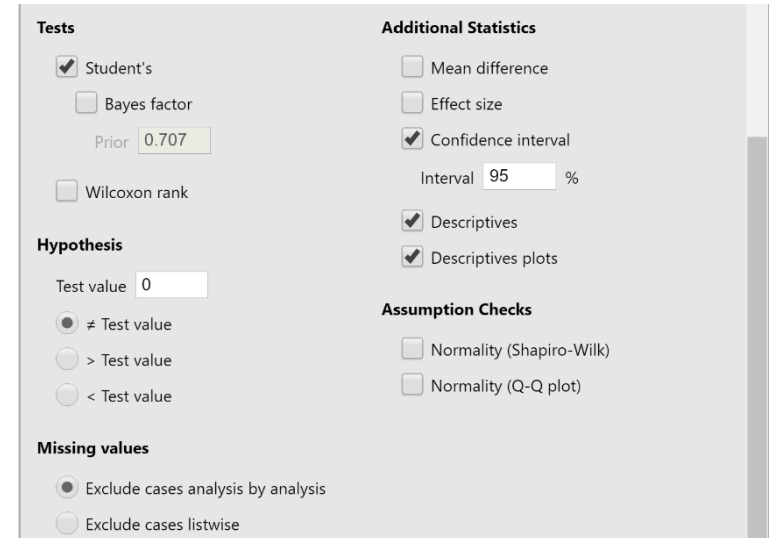
Choosing Variables

3. A set of options will then appear for you to choose the variables and statistics of interest.
4. Select the variable you wish to analyze by clicking on it in the left-hand box and then the arrow to move it into the right-hand box.
5. Output will automatically appear on the right side of the window.



Obtaining Inferential Statistics

6. To get the confidence interval for the mean, make sure the “Test Value” is set to zero.
7. Check the “Confidence Interval” box (and alter the width of the interval if desired).
8. Similarly, select other options that are important for you: “Descriptives” will offer a mean and standard deviation for the variable; and “Descriptives plots” will provide a graph of the confidence interval.
9. Updated output will automatically appear on the right side of the window.



The image shows a screenshot of the 'Tests' 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 'Test value' set to 0, with radio buttons for '≠ Test value' (selected), '> Test value', and '< Test value'. The 'Missing values' section has radio buttons for 'Exclude cases analysis by analysis' (selected) and 'Exclude cases listwise'. The 'Additional Statistics' section on the right has 'Mean difference' and 'Effect size' unchecked, 'Confidence interval' checked with an 'Interval' of 95%, 'Descriptives' checked, and 'Descriptives plots' checked. The 'Assumption Checks' section has 'Normality (Shapiro-Wilk)' and 'Normality (Q-Q plot)' unchecked.

Section	Option	Status
Tests	Student's	Checked
	Bayes factor	Unchecked
	Prior	0.707
	Wilcoxon rank	Unchecked
Hypothesis	Test value	0
	≠ Test value	Selected
	> Test value	Unselected
Missing values	Exclude cases analysis by analysis	Selected
	Exclude cases listwise	Unselected
Additional Statistics	Mean difference	Unchecked
	Effect size	Unchecked
	Confidence interval	Checked
	Interval	95 %
	Descriptives	Checked
Assumption Checks	Descriptives plots	Checked
	Normality (Shapiro-Wilk)	Unchecked
	Normality (Q-Q plot)	Unchecked

Your data have now been analyzed!