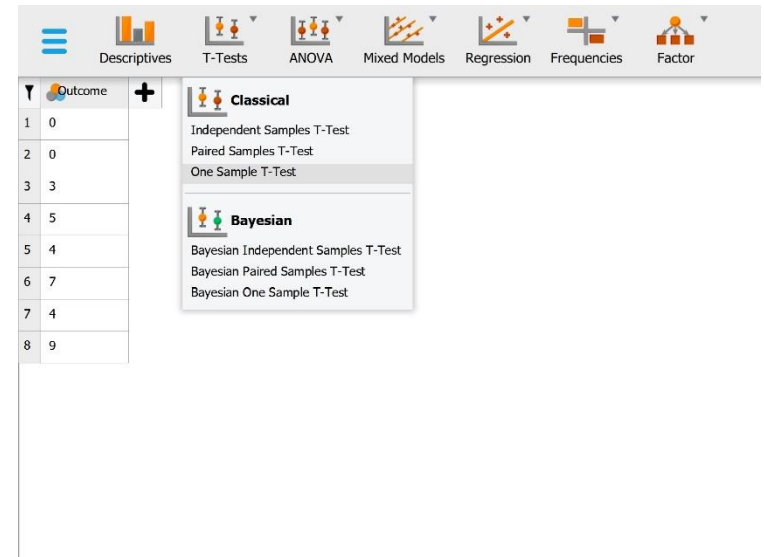


Confidence Interval for a Mean

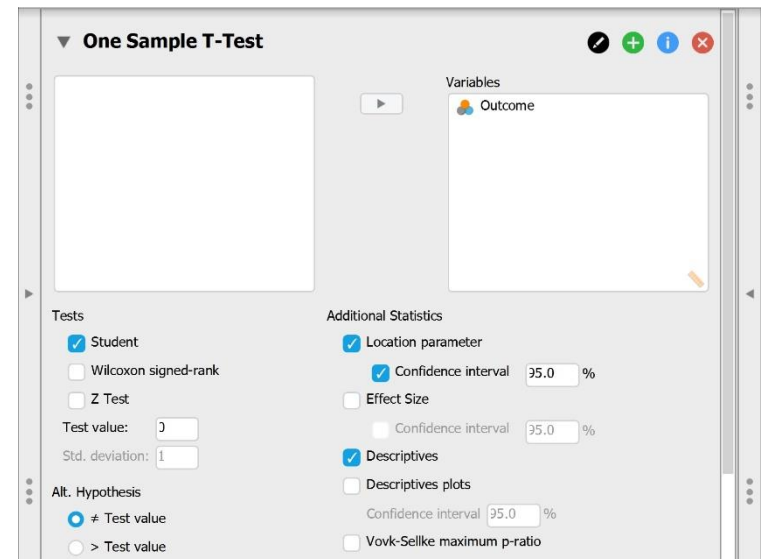
Obtaining One-Sample Inferential Statistics

1. First, enter the data (described elsewhere).
2. In the "Analyses" section of the menu, select the "T-Tests → One Sample T-Test" option.



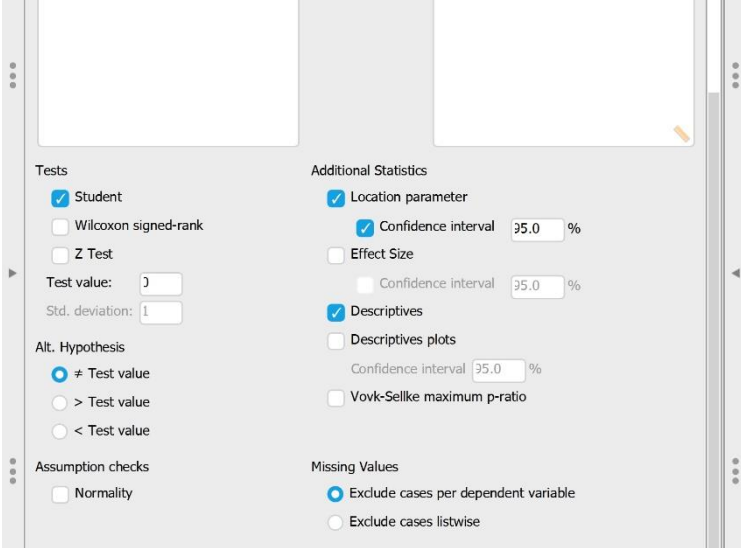
Choosing Variables

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 SPSS 'Tests' dialog box, which is used to configure statistical tests and additional statistics. The dialog is divided into several sections:

- Tests:** This section contains three radio buttons: 'Student' (selected), 'Wilcoxon signed-rank', and 'Z Test'. Below these are input fields for 'Test value:' (set to 0) and 'Std. deviation:' (set to 1).
- Alt. Hypothesis:** This section contains three radio buttons: '≠ Test value' (selected), '> Test value', and '< Test value'.
- Assumption checks:** This section contains a checkbox for 'Normality'.
- Additional Statistics:** This section contains several checkboxes: 'Location parameter' (selected), 'Confidence interval' (selected, with a value of 95.0 %), 'Effect Size', 'Descriptives' (selected), 'Descriptives plots' (with a value of 95.0 %), and 'Vovk-Sellke maximum p-ratio'.
- Missing Values:** This section contains two radio buttons: 'Exclude cases per dependent variable' (selected) and 'Exclude cases listwise'.