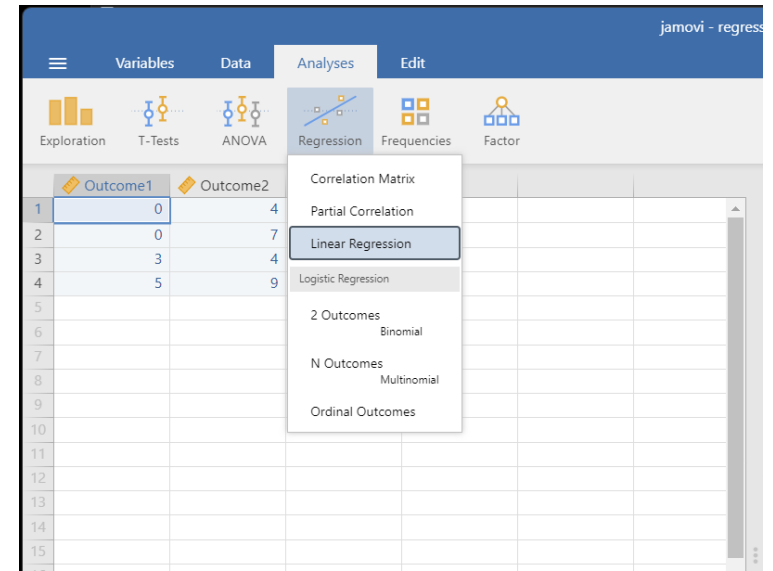


Regression

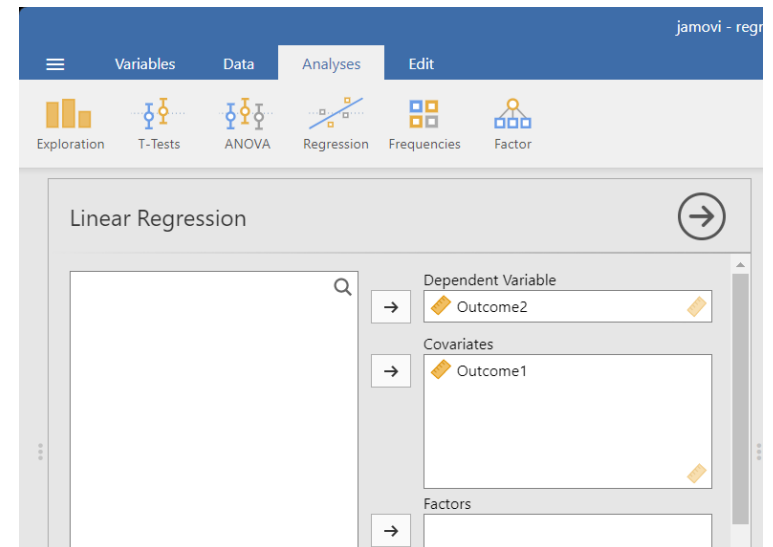
Selecting the Analysis

1. First, enter data involving multiple variables (described elsewhere).
2. On the “Analyses” tab, select the “Regression → Linear Regression” option.



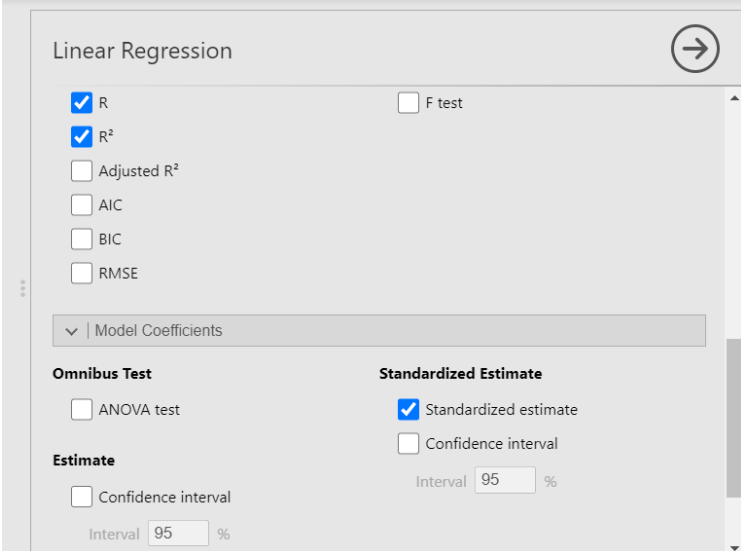
Obtaining Inferential Statistics

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 them in the left-hand box and then the arrow to move them into the right-hand boxes. Your Predictor (here “Outcome1”) should go under “Covariates” and your Outcome (here “Outcome2”) should go in as the “Dependent Variable”.
5. Output (with no descriptive statistics) will automatically appear on the right side of the window.



Obtaining Additional Statistics

6. Scroll down to the section on “Model Fit” and check both “R” and “R²”.
7. In the section on “Model Coefficients”, check “Standardized Estimate”.
8. Updated output will automatically appear on the right side of the window.
9. If you wish descriptive statistics associated with each variable, follow the “Descriptives” procedures described earlier in this manual.



The image shows the "Linear Regression" dialog box in SPSS. The "Model Fit" section is expanded, showing checkboxes for "R" (checked), "R²" (checked), "Adjusted R²", "AIC", "BIC", "RMSE", and "F test". The "Model Coefficients" section is also expanded, showing checkboxes for "ANOVA test", "Standardized estimate" (checked), and "Confidence interval". Below these, there are input fields for "Interval" (95 %) for both the "Estimate" and "Standardized Estimate" sections.

Linear Regression

☒ R ☐ F test

☒ R²

☐ Adjusted R²

☐ AIC

☐ BIC

☐ RMSE

Model Coefficients

Omnibus Test

☐ ANOVA test

Standardized Estimate

☒ Standardized estimate

☐ Confidence interval

Interval 95 %

Estimate

☐ Confidence interval

Interval 95 %