SPSS
Instructions for Covariance, Correlation, and Bivariate Graphs

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Correlation and Covariance

Once a dataset is loaded, to obtain the correlations and covariances between two or more variables go to Analyze → Correlate → Bivariate.

Next, move relevant variables to the “Variables” box. Then click the options button (top-right corner). A new box will open. Check the “Cross-product deviations and covariances” box. Now click Continue and then click OK.
SPSS will provide with a correlation/covariance matrix.

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<th>Intake Q Total</th>
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<tbody>
<tr>
<td>Last Session Q Total</td>
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** Correlation is significant at the 0.01 level (2-tailed).

**Scatterplots**

To create scatterplots go to **Graphs → Legacy Dialogs → Interactive → Scatterplot**. We use the Scatterplot function in the Interactive section Smoothing Line.
Move relevant variables to the blank boxes. The top box is for the Y-axis and the bottom box is for the X-axis. Click OK.

SPSS will produce a scatterplot.
If you would like to add a Smoothing Line, click on the “Fit” tab. Under Method, use the drop-down. Click OK.

SPSS will produce a scatterplot with a smoothing line.