About the Release Notes

JMP 10.0.2 is a general maintenance release that contains enhancements, bug fixes, and some new features. A few of the specific issues that have been fixed in this release are listed below. Note that this list is intended to show the scope of the 10.0.2 fixes, but is not a complete list of all fixes. The majority of customer-reported issues, reproducible system errors, and numeric issues have been corrected. Applying this maintenance release is recommended for all sites.

New Features

- An option was added in Graph Builder to enable multiple graphs in the same window to be sized properly. To access this feature, select **Auto Stretching** from the Graph Builder red triangle menu.

- A preference was added to the Time Series platform to suppress Lag 0 and start at Lag 1 for autocorrelation (ACF) and partial autocorrelation (PACF) computations. If selected, the ACF and PACF start from Lag 1. If not, then the ACF and PACF start from Lag 0, where the value is always 1. To set the preference to suppress Lag 0, select **File** > **Preferences** > **Platforms** > **Time Series** and select the **Suppress Lag 0 in ACF and PACF** check box. The default is unchecked.

- An optional Boolean parameter, `Interactive`, was added to the JSL `SAS Submit()` function. The parameter allows interactive procedures to continue to work even if JMP is generating results.

- `WEEKV`, `WEEKW`, and `WEEKU` were added as date formats and mapped to `Locale Date()`. Now when SAS data sets are imported into JMP, the raw values representing SAS dates are converted into the raw values representing JMP dates when the format is assigned to one of the date variables.

- You can now fit a Response Surface model with a Partial Least Squares personality in the Fit Model platform in JMP Pro. To access this feature, select **Analyze** > **Fit Model** and select **Partial Least Squares** from the Personality list. Then, select **Response Surface** from the Macros list.

Localization

- Documentation and online help is available in Japanese.

- The user interface and *Discovering JMP* documentation is available in Spanish (Castilian).

- *Basic Analysis and Graphing* and *Using JMP* documentation is available in Simplified Chinese.

General Improvements

- Items in a Journal legend wrap comparably to the original Report window. To adjust legend item wrapping, right-click the legend and select **Legend Settings**, and then specify the **Item Wrap** number.

- You can import Excel files that contain tabs, linefeeds, and carriage returns in column names with the JMP Excel Add-in and the Excel Profiler.

- Dates in spreadsheets that are based on the 1904 date system can be exported into JMP when using the Excel Profiler. Access the **Data Table** function from the JMP ribbon in Excel.

- The performance of SAS macros when submitted from JMP is more efficient.

- Submitting asynchronous SAS code with ODS turned on to both local and remote SAS servers is more robust.

Statistics and Graphics

- Changes to the font size of a customized label setting in a bubble plot in the Bubble Plot platform appear immediately. Right-click the bubble plot, and then select **Customize** > **Custom** > **Font** > **Size**.

- Variability charts copied and pasted from the Variability / Attribute Gauge Chart platform into Microsoft Word look identical to those in a report or journal.

- Tests for Special Causes (Nelson Rules, Westgard Rules) detect out-of-control conditions when a Phase variable is specified in the Control Chart platform (**Analyze** > **Quality and Process** > **Control Chart**). To access this feature, select **Tests** or **Westgard Rules** from the red triangle menu in the chart outline title.

- The Prediction Profiler honors `Term Value()` commands in the Profiler platform. The Profiler ensures that the variables are continuous and does not set the categorical variables to zero.

- Test Mean and Test Probabilities provide results in the Distribution platform when the hypothesized mean or probabilities is left blank. To access this feature for a continuous variable, select **Test Mean** from the red triangle menu next to the appropriate variable. To access this feature for a categorical variable, select **Test Probabilities** from the red triangle menu next to the appropriate variable.

- The Correlation Type option in the Gaussian Process platform lets you select the correlation structure (Cubic or Gaussian) used in the model. To access this feature, select **Analyze** > **Modeling** > **Gaussian Process**. Select the appropriate correlation type from the **Correlation Type** list on the launch window.

- You can analyze a data table with random effects and excluded observations using the EMS Method in the Fit Model platform. To access this feature, select **Analyze** > **Fit Model**. When you assign any effect as random from the **Attributes** list, the Method options (**REML** and **EMS**) appear at the top right of the dialog.

- You can save a formula to a data table when a By variable has been specified in the Discriminant platform. To access this feature, select **Analyze** > **Multivariate Methods** > **Discriminant**. Then, select **Score Options** > **Save Formulas**.

- You can create a data table using the **Columns by Categories** option in Tabulate. To access this feature, select **Tables** > **Tabulate** and then select the appropriate categories and drop them into **Drop Zone for Rows**. Then, select **Make Into Data Table** from the Tabulate red triangle menu.

- If you revise a data table after producing a table in Tabulate, you might get an error message or the table might reset to its original state if you continue to manipulate the output.

- In Tabulate, you can use Column % and Row % as summary statistics with data that has a grouping column. Grouping columns can be used to classify data into categories of information. If the data table does not have a grouping column, you might get a message stating that JMP cannot get the results because there are no grouping columns. Tabulate will not complete the last operation.

- Side-by-side histograms have the same bin sizes in Graph Builder.

Control Chart Builder

- The Set Sample Size option enables you to set a subgroup size for a chart and quickly change from an Individuals chart to an X-Bar chart. You can now access this feature from two places: the Control Chart Builder red triangle menu and the chart right-click menu. The option only appears for Individuals charts when there is no Subgroup variable.

- Changes made to a graph via the right-click menu remain after revising the graph, including **Points** > **Show Points**, **Limits** > **Show Limits** and **Show Center Line**, **Connecting Line** > **Show Connect Line**, and marker options within the **Rows** and **Graph** menus.

- The Show Limit Summaries option displays the Limit Summaries report when two *Y* variables are specified. To access this feature, select **Show Limit Summaries** from the Control Chart Builder red triangle menu.

Scripting

- You can now edit a `NumberColEditBox` in a `TableBox` after a row has been added or inserted to the TableBox.

- Entering a wrong argument in an `Execute SQL()` string now returns missing values.

- An image on a button created with the function `Button Box` remains when moving the button using the Selection tool in a journal.

- After assigning a SAS library reference, you can unassign the reference using the `SAS Deassign Lib Refs()` function.

Application Builder

- You can edit an application after combining report windows that have a local filter. Select **Edit Application** from the Report red triangle menu on the combined reports window.

- Variable names are case- and space-sensitive. You can now change the case of a variable name for a box or report. When a new box is added and a new name is needed, JMP searches for items with the same prefix using a case- and space-insensitive comparison.