



Release 6.0.2

*“The real voyage of discovery consists not in seeking new
landscapes, but in having new eyes.”*

Marcel Proust

Progress Notes

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Progress Notes for JMP 6.0.2

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Data Tables

- When a new column is added to a new data table, a subsequent command to add multiple columns now works correctly.
- When an “Other” column property is added in the **Column Info** window, “Other” is now translated in the list of column properties in localized versions of JMP.
- The title for an “Other” Column Property list in the Column Info window is now translated in localized versions of JMP.
- If a character column is changed to numeric, non-numeric data becomes missing values instead of meaningless numeric data.
- Applying **List Check** no longer causes data with a date format to become missing data.
- Clicking the **Move Down** and **Move Up** buttons while editing the **List Check** property now deselects correctly.
- On the Macintosh, saving a file over an existing file to a non-local drive (for example, a memory stick) is much more robust.
- Duration formats (H:SS and M:SS) are now allowed as input formats in the **Column Info** window.

Formula Editor

- For **ResampleFreq**, a missing value is now interpreted as a sampling rate of 1, which is the same as having no argument (the argument box is empty).
- The formula argument hint now works if the formula has empty slot names.
- **Sequence** and **Count** now round better to eliminate some cases that still had trailing 9's.
- **Match** now ignores trailing blanks when making comparisons.
- Repeatedly opening and closing the Formula Editor on Linux no longer causes JMP to crash.

Value Input and Copy/Paste

- Data from the Japanese version of JMP 5 now copies correctly into JMP 6.
- When a date format is applied to a column, it is now applied correctly. In JMP 6.0, the wrong date format was sometimes applied instead of the selected format.
- Copy/paste with labels no longer loses long column names
- When you copy with labels from a data table in JMP 5.x, labels and data are now pasted (with labels) into JMP 6.0.2 correctly.
- The @ symbol is now allowed as a separator on input for date/time formats that have a date and a time portion.
- 15 additional Unicode .space characters are now supported and are considered whitespace.
- Spaces are now allowed in the MMMDDYYYY and DDMMMYYYY date/time formats (for example, “Nov 18 2002” or “18 Nov 2001”).
- Data formatted with a 12-hour time field now has a space before the AM/PM designator.
- Copy/paste between different windows is more robust.

Summary

- The quartiles statistics option no longer truncates to one decimal place.

- Double-clicking a column name in the Select Columns list now sets that column as a Group variable (as it did in JMP 5.1).
- Specifying large numbers of subgroups causes the Summary command to take a long to calculate and produce the Summary table. A warning box now appears if that is the case so you can cancel the operation.

Sort

- Sorting of character data now consistently uses the collation order of the operating system and locale for both data table operations and statistical platforms. To control the sorting of character data in plots, use the **Value Ordering** column property.
Note: this change means that lists of parameter estimates with labels in reports may be in a different order, depending on the operating system and locale.
- The **Replace Table** option no longer replaces the data table if there are other active reports that depend on the data table.

Concatenate

- When concatenated columns have different data types, the concatenated column is changed to Character so no data is lost.

Join

- A Cartesian Join now correctly includes all selected columns.

Update

- If the source and destination columns have different data types, the data type in the source column is changed to match the data type in the destination column.

Tabulate

- In localized versions of JMP, a script resulting from the command **Save Script** is now saved completely in English when the preference is set to save in English.
- In localized versions of JMP, column names in a data table resulting from the command **Make Into Data Table** are in the local language instead of a mixture of English and the local language.
- A saved journal containing a table saved from Tabulate with multiple row tables now remembers the correct layout of the table when re-opened.

Missing Data Pattern

- A cell whose content is a string consisting only of spaces is no longer treated as a missing value.

Import/Export

- Other applications (including JMP 4 and earlier) can now read JMP data tables that contain value labels.

Text Import

- Text Import no longer reads a single “\$” as a zero rather than as a missing value or as a label.
- Text Import now handles large files by packing them into memory more efficiently.
- When importing a text file or opening a JSL file, JMP now reads more of the file to determine the character encoding.
- Quoted strings can now include carriage returns.
- Importing a text file through JSL now reads columns with date/time formats correctly.

Excel

- Hidden worksheets in Excel are no longer available when selecting individual worksheets to import.
- On Macintosh, exporting a data table that contains Chinese characters as an Excel 4 spreadsheet now saves the Chinese characters as question marks (“?”) instead of garbage characters, and an alert notifies you that some characters could not be saved properly.
- Missing values in a date/time column now export to Excel correctly.
- Importing long character data is more robust. Excel files with long character data were sometimes imported into JMP with randomly empty or incomplete data in some cells.

Open Office

- When an OpenOffice 1.x file is saved from JMP, that file is now compatible with OpenOffice 2.0.

SAS

- A JMP data table with missing values that is exported to a SAS data set is now saved correctly. Opening this file in SAS does not cause SAS to crash.
- Variable lengths no longer increase when SAS data sets are saved from JMP.

Internet Open

- Opening a JMP file using Internet Open in localized versions of JMP no longer causes JMP to crash.

Database/ODBC

- Opening MS Access databases no longer truncates character columns that contain more than 1000 characters.
- Missing values in a date/time column now export to ODBC tables correctly.
- Problems reading character data from Ingres databases using the OpenLink ODBC Driver or the Computer Associates ODBC driver have been corrected.

Design of Experiments

- The speed of *I*-Optimal design generation is vastly improved. This improvement increases as the number of factors in the design increases.
- Mixture designs are more robust and reliable.

- Taguchi L16 arrays with more than 9 Signal factors no longer have duplicate factors.
- DOE Automation methods no longer ignore the last element of a passed array.
- DOE Automation now includes `SetSampleSize`.
- Including a pattern column as a factor in an Augmented Design no longer causes JMP to crash.

Analyze

- Histograms in Fit Y by X and Multivariate now respect excluded data.

Distribution

- **Save Script** now saves a one-sided tolerance interval correctly.
- One-sided tolerance intervals are now reported correctly.
- Gamma Distributions no longer ignore excluded row states.
- The density curves for binomial and Poisson (categorical) distributions has been improved.
- Warnings are now given when fitting exponential, lognormal, gamma, and beta distributions with negative data.
- Nominal distributions with one-sided probabilities are no longer handled as two-sided probabilities.

Fit Y by X - Bivariate

- Shaded confidence curves now correctly use the alpha level selected with the **Set Alpha Level** option instead of always using 0.05.

Fit Y by X - Logistic

- Logistic Regression on the Macintosh now handles missing frequency values correctly.

Fit Y by X - Oneway

- The column property **Row Order Levels** is now applied to a Oneway plot when it is specified.

Fit Model

- Models with By Groups no longer repeat the By label in the report title.
- The Log-variance model has a corrected likelihood ratio test for equal variance, which now produces tests that do not have more significant p -values than they should. The problem was that for the null model, JMP was calculating the log-likelihood using the least squares estimate of sigma. JMP now uses the maximum likelihood estimate of sigma (in other words, it now uses n instead of $n-dfr$ for a divisor to calculate common sigma). ML estimates of the variance tend to be biased downward; the next release of JMP will use REML estimates instead.
- REML now detects variance components that are confounded with the residual when there are excluded rows.
- REML now handles missing values and deleted rows correctly.
- **Create SAS Job** is now supported for non-least-squares personalities.

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- In the results for a GLM fit, the “Observations (or Sum Wgts) = n” line has been changed to “Observations (or Sum Freqs) = n” so the label is appropriate.
- In Fit Model: Least Squares, missing values are now handled correctly for saved confidence intervals and standard errors.
- An error in the calculation of the overdispersion parameter when a weight variable is specified has been fixed.
- Saved residuals when a weight variable is specified now match the SAS calculation.
- The saved residuals for GLM now matches those of SAS.
- When a Fit Y by X report has one x variable and one y variable, the graph can be set to either horizontal or vertical. When there are more than one x and y variables, the graph is horizontal only.

Modeling: Nonlinear

- The Second Derivative Method for iteration options now allows for more than a dozen iterations.
- Defined but unused parameters are now handled correctly. The unused parameter and any parameters that follow it are no longer ignored.
- Parameters columns for remembered solutions are now always added to the results table without having to click **Reset**.
- Missing weights for confidence intervals and individual standard error are now handled correctly.
- Weighted confidence intervals in Nonlinear modeling now agree with those in Fit Model.

Modeling: Neural Net

- The **Save Predicted and Limits** option no longer causes confidence limits with a width of 0.

Multivariate Methods: Multivariate

- Correlations in a scatterplot matrix now correctly update when the **Pairwise Correlations** option is selected.
- In Discriminant analysis, **Save Formulas** now supports priors other than equal-priors cases.
- The calculation of T^2 for multivariate control charts with excluded data now works correctly.

Multivariate: Cluster

- In a K -Means cluster, the **Simulate Mixtures** command now works correctly.

Multivariate: PLS

- Missing or excluded points on the graph now map to the correct rows so that all points are shown or not shown correctly.

Survival and Reliability

- Censor codes are now handled correctly for competing causes.
- Survival with interval censoring now produces graphs with the correct x -axis range when there are missing values for the low value.

Graph

Chart

- In data tables where variables have the same name as a statistic to be plotted (for example, N or Mean), charts are now created correctly.
- Creating a chart with no *Y* variable (for example, with a script when the wrong data table is selected) no longer causes JMP to crash.

Overlay Plot

- In a plot with two *Y*-axes, specified column properties are used for both axes. The graph used to ignore any column properties for a second *Y*-axis.
- Scripts are now saved completely.
- Error messages are no longer generated when line widths are changed to “thin”.
- A better scale is now used for degenerate ranges.
- After specifying **Connect Thru Missing**, the legend is no longer cut off.

Contour Plot

- Specifying increments in the launch dialog now produces a graph with the correct contours.
- Specifying an *x-y* grid no longer generates an error message. The calculation of quantiles for specifying the grid now matches that of JMP 5.x.

Control Charts

- Presummarized control charts with phases now work correctly.
- Control limits on a Presummarized moving range chart are now correct.
- After creating a control chart with a Sample Label specified, subsequent control chart dialogs do not require a Sample Label.
- Westgard Rules and the Beyond Limits test now have correct descriptions for Alarm scripts.
- Limits for *np*- and *c*- charts with phases are now correct.
- IR charts no longer cause JMP to crash when the range span is < 2 and the sigma is not specified.
- Cusum preferences are now translated for localized versions of JMP, and now work in all languages.
- EWMA charts are now correct when the sample size = 1. Previously, the denominator in the equation for sigma was using $N =$ the number of sample differences summed, rather than $N =$ the number of observations. As a result, N was off by one.
- Boxplots are no longer available for EWMA and UWMA control charts. Boxplots are only offered for \bar{X} -charts, and the option should not be available for EWMA and UWMA charts.
- UWMA and EWMA control charts now recognize statistics both through a limits table and through JSL.
- Hovering over a point in \bar{X} -, *r*-, *s*-charts or any Presummarized charts now displays the correct sample.

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- When limits are saved to a new table from a Run chart, the Sample Size is no longer a missing value.
- Test results no longer disappear when limits are saved to the column and the chart is refreshed (Script > Redo Analysis).
- Presummarized and IR charts now list the correct number for excluded samples.
- IR charts now update automatically when scripts update the data table or when changing points in windows.
- The values for sigma or limits saved from an IR chart to a column in the data table are now correct.
- A preference has been added for Control Chart on the Platforms panel of the Preferences window called **Use Excluded Points on MR**. This preference enables you to control the way excluded points are handled in moving range control charts. The default setting is unchecked; the default behavior is to treat excluded points as if they were defeated (which is how previous versions of JMP have handled excluded points). Checking this box causes excluded points to be included in moving range charts, which is how SAS handles excluded points.

Variability/Gage Chart

- Linearity and Bias reports for tables with unbalanced data no longer cause JMP to crash.
- Discrimination ratios for main effects models are now available.
- Gage R&R reports are now correct for nontraditional models.
- The R^2 value for a linearity study is now correct and matches the MSA Guide.
- Deleting rows with a variability chart open no longer causes JMP to crash.
- The correct %Agreement is now reported for Attribute Gage charts. Also, when %Agreement is broken down by rater, both calculations now go across rows when there are replicate measurements for each part*rater combination.
- Gage R&R saved scripts now function correctly when K Sigma = 1.

Pareto Plot

- When category legends are turned on and the Pareto chart is turned into a Pie chart, the bottom portion of the legend is no longer cut off.
- When the defect count is 1, the test rates within and across groups are now reported correctly.

Cell Plot

- Selection marks are now properly cleared when a row is deselected.

Profiler

- The Simulator now uses the correct fixed values in the data table for categorical factors.
- A feature to support noise factors for robust process engineering has been added to the Profiler. For details, see the *JMP Statistics and Graphics Guide*.
- In the Simulator, adding a custom expression is more robust.

Custom Profiler

- Generated scripts containing partial derivative symbols (for example, “/”) no longer produce errors because the symbols are escaped properly.

Display

Plots

- Axis settings handle date variables better when drawing plots.
- Scrolling a plot with a large number of columns is faster.
- A graphic script with a By variable now uses the subset for the By instead of the original data table.
- Axis scale ranges are determined better; rare cases where the axis showed a very small range have been eliminated.
- When the last category of a By group is excluded, the selection cursor now works correctly for the graph that results.
- Plots with transparencies are drawn faster on machines with older video cards.

Journals

- Saving a journal on Windows and then opening it on a Macintosh is more robust.
- A journal with a surface plot now opens correctly.
- Setting the title of a journal that hasn't been saved yet no longer causes JMP to crash.

All Report Windows

- The **Close Where No Outlines** option now collapses a report window correctly.
- Multi-line text now wraps properly in localized windows.
- The quality of graphics exported to legacy QuickDraw-based applications (for example, MS Word and MS PowerPoint) on the Macintosh has been improved. This affects copy/paste and drag/drop operations, saving as graphic files, and saving as RTF.
- Copying graphs with large numbers of points (over 100,000) on the Macintosh is faster.

Scripting

- The \N newline sequence now correctly produces a newline on Macintosh.
- You can now use a column name that is the same as a platform (for example, “Survival”) as a subscript. Previously, doing so would have caused the platform to be called incorrectly instead of treating the subscript as a column.
- A script generated in JMP 5 for a join that includes non-matches now works correctly in JMP 6.
- The JMP Automation option that allows starting multiple instances of JMP now works correctly.
- Large JSL scripts in the menu customization window are now saved correctly.

Encryption

- Errors from encrypted scripts are no longer shown in the log.
- The contents of global variables with names that start with a particular set of characters (two underscores) are not revealed by commands that normally show global variable values. This ensures that the values of global variables in encrypted scripts cannot be revealed.
- When an encrypted script has an error, the code that caused the error is no longer shown in the log window.

The Script Editor

- When restoring a previous session, the position and size of script windows are now restored.
- You can now copy/paste more than 500 KB the script editor on Windows.
- Using Find/Replace in a script window on Macintosh now works correctly when text is found off-screen.
- The correct line length is now shown in JMP's status bar when you click in the left margin of a line in the script editor.

JSL Commands

- Scripted platform launches now work correctly. Rarely, some scripts that launched platforms did not work.
- `Update()` now works correctly using both `Match Columns()` and `By Matching Columns()`.
- Using the `Save()` command to save a data table as a new file with a new name no longer fails if the file doesn't already exist.
- Using `Get Script()` on a table with a List Check property no longer fails when the script is used to generate a new data table.
- `Substitute()`, `SubstituteInto()`, `Insert()`, and `InsertInto()` now evaluate correctly when one argument is a number and the other is a matrix.
- Using the `Save()` command to save a data table on Linux now works. Previously, the current directory and predefined directories such as `$HOME` were not being expanded correctly.
- The standard deviation for `Summarize()` is now centered for each group, rather than using the same center everywhere.
- The `Connect()` command (for opening a data feed) now works correctly.
- On Macintosh, `Today()` now returns local time instead of GMT.
- Running `Test Probabilities()` in a `Distribution()` script with the wrong number of arguments no longer causes JMP to crash.
- `CallDLL()` (Windows-only) no longer causes JMP to crash.
- `SASGetVarNames()` now returns the first 100,000 column names from large SAS datasets instead of returning an error.
- `Mail()` now works correctly when running localized versions of JMP.

Other

- Pasting in some modal dialogs no longer causes JMP to crash.
- Saving a spline fit when a By variable has been specified now works correctly.
- Searching in the Help in the Japanese version of JMP on Linux now works properly.
- When you print analysis reports that are more than one page long, all pages print successfully. In JMP 6, only the first page printed. Also, the **Print Preview** window no longer replaces the report window.
- Scripts no longer appear in output reports when the preference **Data Table Title on Output** is selected.
- The Customized Analysis script in the **Readings.jmp** sample data table now works correctly.
- An incorrect value in the **Raleigh Temps.jmp** sample data table was fixed. A time series analysis for this data table no longer causes an error.
- The IGrafX Interface to JMP (Windows-only) now works correctly.
- Platform preferences for platforms with extra options in the launch dialogs are now honored properly.
- Edit boxes no longer have a 30,000 character limit.

Activation

- Linux software updates or maintenance could cause JMP 6.0 to require re-activation. JMP 6.0.2 prevents updates and maintenance from affecting your JMP activation and licensing. However, because of the changes in the activation codes to make this possible, you will have to re-activate JMP 6.0.2 on Linux.
- Instructions in the Manual Activation window have been added to make the manual activation process smoother, faster, and easier. You are now informed that you need to include your serial number and operating system when e-mailing technical support for help.
- For annual license renewal on the Macintosh, one of the push buttons is no longer missing.

Annual License

- A few weeks before your JMP license expires, you will receive a warning message.
- The **Your annual license has expired** warning no longer appears early.
- Saving an updated license no longer prompts you for the location to save the information. The new license is automatically saved over the old one.
- JMP Annual License for Windows now counts instances of JMP correctly.