



Release 8.0.1

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

Marcel Proust

# Release Notes

JMP, A Business Unit of SAS  
SAS Campus Drive  
Cary, NC 27513

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**JMP® 8.0.1 Release Notes**

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## Tables

- The Find dialog is no longer maximized if the previous window was maximized.
- Adding columns to a data table when a launch dialog is open and the data table has a column group now works properly.
- The **Maximize Display** command no longer causes the table grid to disappear.
- Custom colors in Row State columns are now assigned correctly.
- You can now copy a row of a data table and use the **Paste With Column Name** command in another data table to use that row as your column names.
- Copying from the log and pasting into the data table no longer pastes a missing value on a Macintosh machine.

## Column Properties

- Specifying row order levels for a numerical variable no longer creates data errors.
- When you run an analysis using a **By** variable and change a column property, subsequent analyses now reflect the new column property information.
- **By Group** scripts are now handled correctly if **By** variables have value labels.
- Grouped columns are now saved correctly.
- The number of decimal places is now saved correctly for new columns.
- Value labels that begin with a numeric value are now copied and pasted correctly.

## Find

- **Find** and **Replace** using regular expressions now work correctly.

## Formula Editor

- Incomplete expressions are now properly displayed in the formula editor.
- The delimiters for the date/time formats `y/m/d h:m` and `y/m/d h:m:s` now correctly reflect the computer's locale setting.

## Summary

- **Summary** now correctly handles more than two quantile requests.

## Subset

- The source script now includes the selected rows in addition to the selected columns.

## Concatenate

- The **Append to First** option no longer adds extraneous table scripts.
- The **Concatenate** dialog now remains fully visible during processing.
- The data table is no longer hidden after multiple concatenations.

## Join

- Deleting the source table when the **Join** dialog is kept open no longer causes JMP to quit.

## Data Filter

- The font size in the Add Filter Columns box is now set correctly.
- Previously written scripts containing older display options are now correctly interpreted.
- The **Animation** command now works for categorical variables.
- All digits are displayed properly in the Data Filter dialog.
- Scroll bars within list boxes now work correctly.

## Tabulate

- Dragging the keyword **All** to the table no longer causes JMP to quit.
- Tabulate now displays the table even when a column has been deleted.
- The **Test Build** option is now applied correctly and the **Resample** option is now scriptable.
- More than 16 columns in **List Box** can now be selected.
- Tabulate can now use 0 as a quantile argument.
- Tabulate now correctly uses more than two quantile requests.
- You can now add aggregate statistics to an empty **Grouping** column.

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## Import/Export

### Text Import

- The year rule now works correctly.
- Column name and starting line preferences are no longer ignored when .csv and .tsv files are imported.

### HTML Export

The two-tone shading option in Tabulate is now correctly applied in HTML.

### Excel

- Dates in column names are no longer ignored when importing Excel files.

### ODBC

- The Table List is now automatically refreshed using the **Save Table/Drop Table** command.
- The previous SQL statement is removed when initiating a new query.
- When the MySQL ODBC driver 5.1 is used to export data, character data are no longer truncated and do not contain single quotes.

## Pasting JMP Graphics

- Pasting JMP graphics into other applications is improved.
- When you copy a Prediction Profiler and paste it into other applications, such as Microsoft Word, confidence interval curves are now dashed instead of solid.

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## User Interface

- **Edit** menu options are now disabled when there are no opened windows.
- On Windows, the appearance of the disabled icons in the toolbars is improved.
- The escape key now cancels dialogs correctly.
- A situation where some Journal thumbnails would not appear in the Windows Explorer has been corrected.

## Preferences

- The **Simulate Responses** preference is now in the DOE platform preferences.
- Nonlinear platform preferences for confidence intervals are now applied correctly.
- Under Fonts, you can now specify font settings for column headers (using the **Heading** button) separately from cell data (using the **Data Table** button).
- Under Text Data Files, customized End Of Field and End Of Line characters (specified as Other) now work correctly.
- Under File Locations, you can now delete the Data Files directory filepath.
- Under Reports, changes to the **Background Color** setting are now applied to all graphs.

## Print

- Axis gridlines are now consistent on printed reports having different background colors.

## Custom Menus and Toolbars

- User-defined keyboard shortcuts on Windows now work without restarting JMP. Error messages are now displayed for unsupported accelerator states.

## Journals

- Changes made to a graph in a journal are now saved correctly.
- Items in a journal can now be removed.
- Journals of Surface Plot from the Neural Net platform now correctly show points.
- Saving an empty journal file no longer causes JMP to quit.

## JMP Installer

- The library path is now set correctly when the Custom Install location is used.
- The SAS OLE DB Provider is now installed correctly.

## SAS Integration

- When you re-open a SAS data set that is currently open and contains different data, the data set is now opened into a new JMP data table.
- You can now import data if JMP and the SAS workspace server are using different locales.
- Having insufficient permissions on a SAS 9.2 Metadata Server no longer causes JMP to quit.
- Submitting code from JMP to an MVS server no longer causes error messages.
- The progress bar is now updated less frequently when you import a SAS data set.
- On a Macintosh machine, a **SAS Submit** that generates ODS results with embedded graphics no longer causes incorrect error messages to appear.

### SAS: Add-ins

- A remote SAS connection is no longer ignored.
- Robust Regression now honors the preference to use SAS column labels for column names during data import.

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## Display

- Commands are now broadcasted correctly.
- Row legends now broadcast to all members of a **By** group.
- Using the Enter key to activate a menu in a dialog no longer closes the dialog.
- Font sizes are now changed appropriately throughout JMP.
- Row legends now display correct colors for ordinal variables.
- Customized colors are now applied correctly to Pareto Plots on Linux machines.
- Reports made with several By groups now appear.
- The selection tool no longer obscures the output of a report when inverse highlighting is used.
- Markers are now drawn correctly when the **Fast Marker** option is turned on.
- An **Excluded Rows** checkbox has been added to the **Row Legend** dialog.
- The **Line Width Scale** option now works on Windows.
- Graphic formats from both SAS output and from JMP journals are now handled better.
- Straight lines no longer appear fuzzy on Windows.
- When a date format is specified in the Axis Specification dialog, the increment menu is now available.
- When the preference **Date Title on Output** is turned on, date and time formats now correctly reflect the locale setting for your computer.
- When you select **Group By** from a platform menu in a report and double-click a column, the column no longer disappears from the list, and clicking **OK** no longer causes JMP to crash.

- Row legends now honor excluded and hidden rows.

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## Design of Experiments

### Custom Design

- Custom Design now specifies the correct minimum number of runs for split-plot designs.
- When both center points and linear constraints are specified, the center points are now added correctly based upon the linear constraints.
- The curvature analysis is dropped, and an error no longer appears, when there are more than 20 response surface terms.

### Choice Design

- The **Ignore Prior Variance** option now works correctly.
- Choice scripts saved to a data table for a one-table analysis now work correctly when the data table name is changed.

### Augment Design

- Augmenting a design with both mixture and non-mixture factors no longer produces singular designs.

### Sample Size and Power

- Invalid values for the sigma quality are no longer accepted.
- Values entered for proportions for one sample and two sample cases are now checked.
- Null differences for one sample and two sample cases are now reported better.
- Calculations for two sample proportions are now computed faster.

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## Analyze

- Multiple error messages are now combined into one error message when multiple variables are selected into the **Weight** and **Freq** roles or when using a column with all missing data for the **By** role within the Analyze launch dialogs.

### Distribution

- The axis scales for quantile plots are improved.
- Saved Distribution journals now maintain the appropriate numeric format.
- The **Relaunch Analysis** command now auto-populates the fields in the Distribution dialog.
- Histogram bars are now displayed correctly when using the **Uniform Scaling** option with **Freq**.
- Fitted Poisson and Gamma-Poisson probability curves are improved.
- Capability analyses based on short-term sigma are now saved in the Distribution script.

## Release Notes for JMP 8.0.1

- All of the fields in the Distribution dialog are properly populated when using the **Recall** command.
- Selections in Shadowgrams have been improved.
- In Capability analyses for either the Beta Binomial or the Gamma Poisson distributions, the percent below the LSL is always equal to zero when the LSL equals zero.
- The **Automatic Recalc** function is no longer causes JMP to quit when all rows are deleted.
- The drawing of fitted density curves for continuous distributions is improved.
- The **Set Bin Width** command has been improved for small bin widths of histograms.
- The saved fitted quantiles are now correct for continuous distributions.
- The Beta-Binomial fit with overdispersion fixed at zero now yields the same results as the Binomial fit.
- You can now fix the threshold parameter for a fitted Gamma distribution.
- Stacking a report that contains a Capability report no longer causes the Capability report to disappear.
- Error messages are now combined into a single window when multiple columns have missing values.
- The progress bar now displays the correct distribution currently being fit by the **Fit All** option.
- The Poisson confidence interval and likelihood are now correct when you have excluded data.
- The **Cancel** button now works as expected after choosing **Fit All**.
- In Gamma Poisson, the overdispersion parameter sigma has a lower bound of 1. Previously, the user could try to set sigma lower than the lower bound and then try to re-estimate the other parameter. Now, a warning is given that the value is too low for this parameter.
- In Beta Binomial, the dispersion parameter delta has a lower bound, which is dependent on  $p$  (the other parameter) and  $n$  (the sample size). Previously, the user could try to set delta lower than the lower bound and then try to re-estimate the other parameter. Now, a warning is given that the value is too low for this parameter.
- Histogram bars now respond to changes in the count axis.
- The Johnson Sb distribution is removed from the **Fit All** comparison as it has an unfair advantage over other distributions.
- The Beta Binomial probability plot is now drawn correctly when delta is negative.
- Fitted Beta Binomial quantiles are now saved correctly.
- Fitted Gamma Poisson quantiles are now saved correctly.
- Fitting a Gamma Poisson or Beta-Binomial distribution to a data set with a single observation now results in an error message.
- The **Save Fitted Quantiles** option now uses correct values when there are fixed parameters.
- The Beta-Binomial distribution has improved confidence intervals for the delta parameter.
- The Weibull/Extreme Value Goodness of Fit test now reports the correct  $p$ -value.

- Failed Beta-Binomial fits no longer report  $p$ -values greater than one.
- The Beta-Binomial probability function now returns correct values when  $\text{delta}=0$  and  $n=1$ .
- Binomial and Beta-Binomial functions now handle non-integer values of  $n$  appropriately.
- Distribution no longer returns a likelihood ratio test when fixing  $p=1$  for the Binomial and Beta-Binomial distributions.
- The Nonparametric density curve is now drawn correctly in the Quantile Sigma plot.
- The **Normal Capability Animation** command is now available only after fitting the Normal distribution.
- A **Set Spec Limits for Ksigma** option is now available. This command translates k-sigma normal probabilities into quantiles for a particular fitted distribution and uses them as spec limits in Capability Analysis.
- An error message is now reported to the log when the 2-parameter Weibull is fit to data with negative values.
- The number of histogram bars is no longer limited by the range of the data.
- After fitting a distribution, the **Quantile** option now accepts more precise probabilities.
- Capability Analysis using **Smooth Curve** and **Spec Limits** options is now more efficient.
- Setting the **Stack**, **Binomial**, and **Diagnostic Plot** preferences now work correctly.
- In Capability output, confidence intervals are now only reported for long-term sigma.

#### Fit Y by X: Oneway

- An error message is now produced when the  $Y$  variable contains all missing values.
- Using the Lasso tool with the **Points Spread** display option correctly captures all selected data points.

#### Fit Y by X: Bivariate

- The **Group By** option now uses Value Labels in the report.
- The Parameter Estimates table now correctly labels a non-zero constrained intercept term as **Constrained** rather than **Zeroed**.

#### Fit Y by X: Contingency

- Rendering of long mosaic plot labels has been improved.
- The error message for invalid frequency values is now correct.
- An error message is now produced for columns containing all missing values (or where all rows are excluded).
- The singularity of covariance matrices are now correctly detected.

#### Fit Model: Standardized Least Squares

- Missing values are now displayed for non-estimable differences.
- Scripts are now saved correctly when the **Sorted Estimates** option is turned off in the report.

- A Cox Mixtures analysis is now performed automatically when you create a least squares model with mixture terms and when a **Reference Mixture** table property is present.
- LSMeans are now correct when a knotted spline effect is present.

**Fit Model: Stepwise**

- All possible models are now generated correctly for no-intercept models.

**Fit Model: Manova**

- Saved scripts now include multiple response functions.
- Report titles are now saved to scripts correctly.

**Fit Model: Generalized Linear Model**

- The Surface Profiler is now unavailable when mixture terms are present.

**Modeling: Screening**

- A warning message now appears for large tables where the analysis is expected to take a long time. The analysis can now be canceled using the escape key.

**Modeling: Nonlinear**

- Formulas using a **By** variable or a **Where** clause are now saved correctly.
- Standard errors are now correct when weights are zero.
- In the nonlinear library, the Surface Plot now displays an appropriate number of tick marks.
- The nonlinear library now calculates the correct formula for columns with “/” in the name.
- The nonlinear library is now able to create formulas with more than two explanatory variables.
- Sliders for graphs in the nonlinear model library now work correctly.
- Graphs are now implemented for formulas in the nonlinear library.

**Modeling: Partition**

- Scripts are now correctly saved for all **By** groups.
- K Fold Crossvalidation is now saved to scripts correctly.

**Modeling: Choice**

- The Marginals report can now be removed from the report.
- Dragging variables into the Model Effects box no longer causes JMP to quit.
- Choice scripts saved to a data table for a one-table analysis now work correctly when the data table name is changed.
- Likelihood Ratio Tests are greatly improved when the fit does not converge.

### **Multivariate Methods: Multivariate**

- The Mahalanobis Distance and  $T^2$  Distances are no longer zero when the data have no variance.
- The Multivariate script is no longer incomplete when saved to a data table.
- Density ellipses are now displayed for REML estimation procedures when there is missing data or strict linear dependencies.
- **Pairwise Correlation** values are now correct and are labeled correctly when the variable has no variation.
- **Outlier Analysis** plots can now be removed and are independent of other plots.
- Changing the default Ellipse alpha or default Ellipse transparency no longer causes JMP to quit.
- **Automatic Recalc** for the scatterplot matrix is now turned on by default.
- Selecting the Mahalanobis Distances or  $T^2$  distances for large datasets no longer causes JMP to quit.
- Requesting a Robust estimation no longer causes JMP to quit.
- When a pair of columns have no rows where both columns contain non-missing data, the Multivariate platform now uses the Pairwise instead of the REML estimation method.

### **Multivariate Methods: Cluster**

- When **By** variables are present in the clustering analysis, cluster identities can be saved from the report.
- The **Relaunch Analysis** option now auto-populates the fields in the launch dialog.

### **Multivariate Methods: Discriminant**

- The **Color Points** option now uses the correct colors for ordinal values.

### **Multivariate Methods: PLS**

- When constant response or effect variables exist, JMP no longer quits. Instead, an error message appears.
- The *X* Scores and *Y* Scores Plots now have the correct default minimum and maximum values for axes.

### **Multivariate Methods: Item Analysis**

- The Item Analysis platform now supports missing values for the frequency column.

### **Reliability and Survival: Life Distribution**

- Two column names in the Nonparametric Estimate report have been changed:
  - The second column has been changed from “Estimate” to “Midpoint Estimate”.
  - The last column has been changed from “Kaplan-Meier” to “Kaplan-Meier Estimate”.
- Selecting a Distribution for the first time no longer causes the window to scroll downward.

## Release Notes for JMP 8.0.1

- Saving a script or using the Redo Analysis command where the **Manual Pick** option is specified no longer causes JMP to quit.
- The confidence interval formula for quantile functions of threshold distributions is now correct.
- The **Freq** column is now honored when determining the number of observations.
- The lower bound confidence interval for the **Exponential** parameter when zero failures are present is now correct.
- The **Freq** column is no longer ignored for zero failure data.
- Competing Causes works correctly when the distribution is changed for one of the causes.
- Midstep estimates are now used instead of Kaplan-Meier estimates for plotting points on the probability plot.
- The confidence interval polygons for the cumulative distribution function have been smoothed for the threshold distributions.
- The Brush tool now works correctly for competing cause.
- Confidence Interval Method scripts are now saved in the correct language as set in Preferences.
- A new command, **Show Points**, is now available. If this option is turned on, points of midpoint estimates, instead of a step function of Kaplan-Meier estimates, are plotted. This option is turned on in the default setting.

### Reliability and Survival: Fit Life by X

- The “Time Acceleration Plot” has been changed to “Acceleration Factor”, and the “Accelerator Profiler” has been changed to “Acceleration Factor Profiler”.
- The title of the dialog to remove quantile lines from the Scatterplot report has been changed from “Remove Curve” to “Remove Quantile Line”.
- The Wilcoxon test is now shown when the data have an excluded row or when data is missing.
- Entering a value for the **Set Time Acceleration Baseline** option no longer causes JMP to quit.
- Missing values in the Time variable are now excluded so that the probability plot and parameter estimates are correct.
- Probability plots for the Nested Model Tests are now shown in reverse order with Separate Location and Scale shown first, followed by Separate Location, and then Regression. The No Effect plot is not shown by default.
- The Y axis label of the Time variable for the Acceleration Factor Plot has been deleted; the Y axis is now labeled as the time acceleration factor.
- When the Nested Model Tests option in the launch dialog is unchecked, the **Show Density Curve** command is now available in the Scatterplot menu.
- The Density Curve polygons in the Scatterplot have been smoothed.
- The Scatterplot is now displayed at the top of the results output and the outline node is always open by default, even if the Nested Model Tests option is checked.

- Nested model tables are now easier to read and understand.
- A new command, **Show Points**, is now available. If this option is turned on, points of midpoint estimates, instead of a step function of Kaplan-Meier estimates, are plotted. This option is turned on in the default setting.

### Reliability and Survival: Survival

- Confidence **Contour Plots** are now saved to scripts.
- Missing upper and lower censoring endpoints are now handled as if the row were excluded and had a frequency of zero, rather than causing JMP to quit.

### Reliability and Survival: Fit Parametric Survival

- The **Probability Profiler** command has been changed to **Distribution Profiler** to match the Profiler title bar.
- Distribution Profiler commands are now saved to scripts.
- The Distribution Profiler for the **Set to Data in Row** command now sets the time variable as well as the regressor variables.

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## Graph

### Graph Builder

- Customizations are now preserved when other changes are made.
- Saved PNG files no longer contain drop shadows.
- The Univariate Bar Chart properly displays a single bar.
- Points are jittered by default unless there is only one data point.
- The Line Width is now copied to the Legend settings.
- Axis titles are clipped when necessary to avoid overwriting each other.
- The default statistic can now be controlled in the platform preferences.
- Drop zones now show up against an identical color background.
- Graph Builder can now use non-default edge preference settings successfully.
- Horizontal Mosaic Plots are now displayed properly.
- More than four elements can be accommodated on the graph.
- Frame-sizing commands are now supported for Graph Builder.
- **Undo** now supports drag-and-drop operations.
- The number of levels is customizable, but must be greater than one.
- Order variables are now retained when variables are swapped.
- Legend context menus are appropriate for plot elements.
- Using the control key to broadcast commands no longer causes JMP to quit.

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- Borders on graphs are now added to journals correctly.
- Graph Builder now correctly handles excluded rows from the data table when the **Automatic Recalc** command is used.
- Context menus are now correct when using multiple group variables in Graph Builder.
- YGroup Edge preferences have been corrected.
- The graph legend is now pasted into reports correctly.
- Graph Builder can now access axis settings for an empty categorical axis.
- The Graph Builder report no longer disappears when resizing Group *Y* to be very small.
- Legend and data markers are now consistent when multiple *Y*-axis variables are used.
- Labels and Legend values are no longer affected by selecting points.
- The Box Plot drawing is complete when one overlay category is empty.
- When a large number of levels exist for a wrap variable, a more square grid is now displayed.
- When a graph uses more than one *X* variable, toggling between showing and hiding bars for them no longer causes JMP to crash, and the bars are now displayed or hidden correctly.

### Chart

- Tick labels for the *Y* axis are now centered when bars are stacked.
- Value Labels are now shown correctly when some of the rows are either selected or excluded.
- On Linux machines, the **Thick Connecting Line** platform option no longer affects the pen style of line charts.
- Pie chart graph size changes are now saved to scripts.
- The Label format for pie charts is now saved to scripts.
- Bar charts saved as PNG files no longer have fuzzy edges.
- A customized background color for pie chart is retained when using the **Redo Analysis** command.
- A customized frame size for pie chart is retained when using the **Redo Analysis** command.
- When clicking on a portion of pie chart on Windows machines, the status bar no longer displays “0 rows selected”.
- When a grouping column for Chart has range value labels, and the **Use Value Labels** option is checked, the generated bar chart shows one bar for each category instead of one bar for each value.
- Reference labels are no longer drawn over tick labels.
- Changing the default **Minimum** or **Maximum** value when the **h:m** format is specified in the Axis Specification window no longer generates an error message.
- Value labels are now supported for *Y* variables (statistics) specified as **Data**.

### Overlay Plot

- **Connect Points** and **Show Points** preferences and related settings are now saved to scripts correctly.
- The Function Plot is now accessible when the function contains an If-Then statement for **Grouping** variables and not for **By** variables.
- When the **Grouping** platform option is specified, using the lasso tool now selects all the points.
- When there are three or more Grouping columns and the second one has only one level, all points are now correctly graphed.

### Scatterplot 3D

- **Grouped by Column** is now saved to scripts correctly for the **Nonpar Density Contour** option.
- When the wall color is black, the grid lines are now white.
- Arrows and points are now scaled so they do not obscure the whole viewpoint when using the Zoom feature.
- **Automatic Recalc** is now turned on by default.
- Requesting **Rotated Components** after deleting an analysis column no longer causes JMP to quit.

### Contour Plot

- Contour colors that are changed to black are now saved to scripts and are correctly applied when using the **Redo Analysis** command.
- The default value for the maximum number of contour levels now nine.
- Contour plots now honor graph customizations made to contour lines, fills, boundary, and markers.
- When using the **Data Filter** and when the **Automatic Recalc** option is turned on for Contour Plot, clicking the **Recalc** button now produces a new report for that **By** group.
- The Gridline option in the Axis column property is now applied correctly.

### Bubble Plot

- The axis range is now updated when splitting a bubble creates bubbles that lie outside the original range of the axes.
- The spectral color theme in the Flash output now matches the JMP output.
- The axis label no longer disappears when the **X As Sum** command or **Y As Sum** command is selected.
- The Flash output with quoted **ID** values has been improved.
- Bubble Plot now supports the **Legend** command in the pop-up menu when a **Coloring** variable is specified.

### Parallel Plot

- Graph customization for the Polyline properties is now available.

### Cell Plot

- The quality of cell plots saved to RTF is much improved.

### Tree Map

- When using the Data Filter, the background of the tree map is no longer all black.
- Tree map colors are no longer weighted by variable sizes.

### Scatterplot Matrix

- Brushing performance is improved in dense scatterplots.

### Control Chart

- Westgard Rules are now plotted correctly.
- Tests and Westgard Rules in Control Charts are now correct when some rows are excluded.
- Using the Lasso tool to select a data point on a control chart now selects the correct point when rows have previously been selected and deleted from that control chart.
- Saving the median value in the column's **Save Limits** property is no longer available.
- The **Show Center Line** command now correctly displays user-defined means.
- New phases are now added to Control Charts correctly.
- The **Relaunch Analysis** command now launches the correct Control Chart platform.
- The Cusum Control Chart is now re-created correctly using the **Redo Analysis** command.
- A control chart with phases is now updated correctly after deleting rows.
- A control chart with hidden or excluded points is now updated correctly after deleting rows.
- IR charts now save to scripts correctly if no sample labels are specified.
- Points are now correctly flagged using the **Test Beyond Limits** command.
- The Lasso tool selection now selects the correct observations when phases exist.
- The **Control Limits** option under Column Properties can now be modified and used for subsequent charts.
- The UWMA chart with a sample size of 1 now computes the standard deviation and control limits.
- Multivariate Control Chart statistics are now saved to the original data table.
- The Multivariate Control Chart axis is now properly scaled to display the UCL.
- Requesting statistics after deleting an analysis column in the Multivariate Control Chart no longer causes JMP to quit.
- The **Phase Detection** command has been changed to **Change-Point Detection**.
- The **Change-Point Detection** formula for test statistics is now correct.

- JMP no longer quits when **Change-Point Detection** is selected in the Multivariate Control Chart platform.
- Cusum charts can now handle missing values when using the **Data Units** option.
- If you cancel out of the **T Square Partitioned** dialog and then select the command again, the dialog no longer suggests a strange value for the number of principal components.
- Selecting the Point Marker preference for Control Charts now works correctly.
- In Capability output, confidence intervals are now only reported for long-term sigma.

### Variability/Gauge Chart

- The contrast calculation for the bias standard error of unbalanced data is now correct in the bias by standard report.
- Bayesian estimates are now correct when there is a variance component that is confounded with the residual.
- When you specify one-sided spec limits, the K Sigma value used in the Gauge report is now automatically divided in half.
- The Bayesian variance component estimates have been improved with a slightly modified method that greatly improves the squared error of the estimates.
- In the Variability Chart platform preferences, you can now choose default variance component estimation methods under **Analysis Type**.
- Bayesian estimates are now correct when there is a variance component that is confounded with the intercept.

### Pareto Plot

- The **Reorder Horizontal** command now displays DPU in the correct order.
- **Value Ordering** now works for an **X, Grouping** column.
- **Automatic Recalc** is now turned on by default.
- The default bar width setting is now based on the number of bars instead of the number of causes.

### Capability

- The **Spec Limits** option now recognizes references in the filename path argument.

### Profiler

- If the **Conditional Prediction** option is turned off, the whole plots (random effect) are no longer displayed.
- The Profiler now works with large number of sequence combinations.
- The Profiler now saves hidden factors information.
- The Interaction Profiler now uses the **Value Colors** column property.
- The **Gaussian Process** table property now works correctly with the **Simulator**.

- Flash output in languages other than English is improved.
- Output Random Table and Output Grid Table no longer cause JMP to crash for categorical response models mixed with continuous formula response variables.
- The Profiler now works correctly when the parameter has the same name as a global variable.

### Contour Profiler

- The Contour Profiler now uses the Spec Limits of the Target LSL and USL as initial values for the current limit, the low limit, and the high limit, respectively.

### Surface Plot

- **Lock Z Scale** is now a preference option.
- When formulas are set to **None**, that setting is now saved when you use the **Redo Analysis** command.
- **Automatic Recalc** for Surface Plot is now turned on by default.
- After changing a formula, the Surface color changes to correctly reflect the new formula.
- The **Redo Analysis** command now reproduces the same Surface Plot.

### Mixture Profiler

- Menus now work correctly for the Mixture Profiler.

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## Scripting

- The **Show Data** and **Show Mean** options for the Parallel Coordinate Plot are now scriptable.
- Linear constraints now appear in the Custom Design report when the design is created via JSL.
- JMP can now use JSL to open and close the same data table twice.
- JSL serial concatenation of many tables now works properly.
- Scripts saved to report windows are now text-wrapped more appropriately.
- Data Filter objects are now drawn better within **V Sheet Box** and **H Sheet Box** commands.
- Graphs within frameboxes now keep their sizes when drawn in small windows.
- Lines around frameboxes that are acquired using a **Get Picture** message are now drawn correctly.
- The **Script All By-Groups** command now captures multiple *Ys*.
- The **Window("window title")** command now returns an empty list if there are no windows that match the given window title.
- On a Linux machine, you can now enter text into a **Script Box** object.
- When a new column with a formula is added to a data table, the formula is now recomputed automatically.

## Release Notes for JMP 8.0.1

- Appending and prepending tab boxes to another tab box no longer causes JMP to quit.
- The `Global Box` function now reflects the computer's locale setting for decimal delimiters.
- A datatable name resolution anomaly where one of the datatables is derived (for example, using the summary platform) no longer occurs.
- Unicode strings passed to external functions are no longer truncated.
- Associative arrays now handle missing references better.
- Closing and saving a data table as an Excel file using JSL no longer prompts the user to save changes.
- Objects contained in one tab box no longer appear when the user clicks another tab box.
- Converting a character value that is a delimited negative number to a number using the `Num` function is no longer converted to a missing value.
- Sending a `Close Window` message to a journal window no longer opens a Save dialog.
- The `QR` function now handles matrices with row/column dependencies.
- `Get As Matrix`-based expressions no longer cause an evaluation loop.
- A `Combo Box` within `Dialog()` now handles more than 30 items.
- The `Maximize Display` command applied to the current data table now works correctly.
- Captions can now be closed with a right-click on Linux machines.
- A `Column Dialog` now displays row state columns in the `Select Column` box.
- References to deleted display boxes no longer cause JMP to quit.
- `Text Edit Boxes` now handle scripts assigned to them correctly.
- The `Min Col` argument for the `Col List` function now works correctly.
- The `Suppress Formula Eval` command now works.
- The `Auto Recalc` option is now saved in JSL scripts for `Fit Least Squares` and `Contingency`.
- The `Cancel` button now works in column dialogs.
- Scripts assigned to a button no longer cause JMP to quit if the button is deleted within the script.
- Encrypted scripts inside an `Include` function no longer cause JMP to quit.
- Tables are now created correctly after moving columns using the `Begin/End Data Update` in the JSL script.
- `For Each Row` now runs correctly after a join.
- The `Close Window` message now works properly for `Tabulate`.
- Large SAS logs are no longer truncated using `SASGETLOG()`.
- The `SASDISCONNECT()` command now automatically cancels any SAS submits that are still ongoing.
- The `SASCONNECT()` command no longer causes JMP to quit on a Macintosh machine.

## Release Notes for JMP 8.0.1

- The `Max Selected(n)` option for a `ListBox` now works when you select list items by dragging them into the list.
- On Linux machines, the text displayed in the textbox is no longer truncated when the number of characters is greater than 200.
- Fitted distributions can now be removed using `Remove Fit()`.
- The `Random Gamma Poisson` function no longer returns missing values for certain combinations of parameters.
- Saved columns and row diagnostics for the Loglinear Variance personality of `Fit Model` are now scriptable.
- An empty second argument for the `Order By` option for `Graph Builder` no longer causes JMP to quit.
- The `Get Limits` command for `Control Chart` now works when the table has multiple columns of limits.
- `Turn At Boundaries` for `Profile` is now scriptable.
- The `Save RTF()` and `Save MSWord()` messages now save files with the correct file extension.

### The Script Editor and the JSL Debugger

- Reports created through the JSL scripting window no longer contain a “2” in the title.
- The `Reformat Script` command no longer forces matrix rows to be on different lines when there are only one or two items per row.
- `Watch` in the JSL Debugger now works correctly.

### The JSL Functions Index

- Copying and pasting in the script editor in the JSL Functions Index no longer causes JMP to quit.
- The prototypes for `Beta Density`, `Beta Distribution`, `Beta Quantile`, and `Random Beta` all now include optional `theta` and `sigma` arguments.
- The prototype for `Inv Update` now contains the correct formula.
- The prototype for `Host Is` now includes information about the `Bits32` and `Bits64` arguments.

### The Object Scripting Index

- Only one `Control Chart` object now appears in the Object Scripting Index.

### Automation

- `GetColumn` and `GetColumnByIndex` no longer cause JMP to quit when rows are added or deleted.
- The `Legend` method for `CellPlot` now works.
- The `EstimateSurvivalProb` and `EstimateTimeQuantile` methods for `FitParametricSurvival` now works.

## Release Notes for JMP 8.0.1

- JMP can now import text files with more than 10,000 columns.
- `AddToSummaryStatList` no longer causes JMP to crash.

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### Windows

- Column names in the Data Table Column Panel are now visible with high contrast setting.
- On Windows Vista, the Ctrl-O command now launches the same Open dialog as **File > Open** and the **Open** button in the toolbar.