
Release Notes for JMP 18.1.1

JMP 18.1.1 is a targeted maintenance release to fix the following issues in JMP, JMP Pro, and JMP Clinical:

- Windows installers now properly update Python files installed with 18.0.x.
- Python has been updated to version 3.11.10 and OpenSSL to 3.0.15.
- Performance time is improved in the Tabulate platform with long, tall, or large tables.

Release Notes for JMP 18.1

JMP 18.1 is a general maintenance release that contains enhancements and bug fixes. Reproducible crashes and numeric issues have been corrected. Applying this maintenance release is recommended for all users.

This document contains the following content:

- [“New Features”](#)
- [“Structural Equation Models”](#)
- [“Statistical Improvements”](#)

New Features

Functional Data Explorer

- A peak distance (PD) metric has been added to the Peak Summaries table.
- An Automatic Peak Removal option has been added to the Peak Finding Model report. This option removes peaks that are below a specified threshold across all of the functions.
- Two methods have been added to the Direct Models submenu: Nonnegative SVD and Unconstrained Multivariate Curve Resolution.
- A Steps section has been added to the Peak Finding editor. The Steps section contains a list that updates each time you perform an automatic or manual step in the Peak Finding report. There is also a Remove Last Step button.

JMP Live

- Site administrators can authorize and reauthorize JMP Live directly from JMP Live.
- Administrators can now sync groups containing users from Microsoft Entra ID to their JMP Live server. These users and groups are then available in JMP Live.
- Users can now use JSL functions to run Python code when creating a refresh script (if an administrator enables it using the Allow Python setting).
- Control charts in JMP Live now support any of these externally linked files: control limits, specification limits, or product statistics.
- Space administrators can see user views and downloads from a space's Views page. They can also download an activity log.
- Space administrators can see history from a space's History page. They can also download an audit log.
- Space administrators can see users and can see which users are in which groups.
- Improvements have been made when embedding JMP Live reports on web pages.

Python Integration

- Dark mode with syntax highlighting has been added to the Python script editor.



Structural Equation Models

- A Weight variable has been added to the Wide Data Format tab of the launch window. A weight variable contains numeric values that assign a weight to each row in the analysis. Weights enable inverse probability weighting and analysis of complex survey data.
- The Standardized Root Mean Square Residual (SRMR) statistic now appears in the Model Comparison report table for increased visibility. The SRMR statistic is a fit index that provides guidance for determining model fit and comparing different models.

General Improvements

Data Filter

- Selecting elements in a legend or table when using the Data Filter source box accurately updates the legend or table, rather than changing the selection in the data table.

Data Tables

- JMP no longer closes unexpectedly when changes are made to a table while using the Join window to join it with another table.
- JMP no longer closes unexpectedly when a data table is closed and a dependent dashboard is open.

Python Integration

- A secure option has been added to the JMP installer for site administrators. This option prevents users from using jpip to install Python modules.

Samples

- The following updates have been made to the Penguins.jmp sample data table:
 - On row 337 at the Sex column, the period character, ".", is now replaced with a missing value.
 - The Species Full column is removed. The Species column now has the full description of each species.
 - The Validation and Cluster columns are removed.

Text Boxes

- Canceling text focus by using the Escape key no longer causes changes in a text field to be committed.

Statistical Improvements

JMP PRO Bootstrap Forest

- When you select the Use Tuning Design Table option in the Bootstrap Forest Specification window, the Model Validation Set Summaries report is now available. This report contains columns for the Minimum Splits Per Tree, Maximum Splits Per Tree, Minimum Size Split, and Portion Bootstrap values.

Contour Profiler

- The lines of the contour grid no longer disappear when the grid density is changed.

Control Chart Builder

- The method for estimating sigma in standardized Short Run Control Charts has been updated.

Data Filter

- Filtering By groups works correctly when the Local Data Filter is removed from a report.

Distribution

- Process capability switches to the percentiles method when the proportion above the USL or below the LSL is very small.
- The Process Capability Analysis window within the Distribution platform has been improved.

Oneway and Contingency

- JMP now supports exact tests for sample sizes larger than 20.

Fit Model

- Checking for duplicate effects in the Fit Model launch window has been improved when specifying complex models.
- The Actual by Predicted Plot has better axis scaling when the data table contains excluded rows.
- Fit Model with a By role and local data filter now produce a valid script and rerun correctly.

JMP PRO Functional Data Explorer

- When you use the Automatic Peak Detection method, there is now a progress bar and cancel button.
- Special conditions ensure that the predictions from a functional DOE analysis are appropriate for the corresponding model fit. If you choose a nonnegative direct model, the predictions from the functional DOE analysis are nonnegative as well. If you choose one of the multivariate curve resolution models, the predicted scores are rescaled to sum to 1.
- The Penalized Nonnegative SVD method has been updated. The new algorithm penalizes all of the dimensions at once instead of one at a time.

Life Distribution

- The midpoint adjustment for interval-censored data has been updated.

Manage Limits

- Equal lower and upper specification limits no longer give inconsistency errors.

Numerical Scripting Functions

- The V Median() and V Quantile() JSL functions have better handling of missing values.

Process Capability

- Process Capability now recognizes preset settings, even if the column names in the data table are changed.

Release Notes for JMP 18.0.1

JMP 18.0.1 is a targeted maintenance release to fix the following issues:

- On Apple macOS, if you open a data table then launch a platform, clicking on the Help tool no longer causes JMP to quit unexpectedly.
- During the Apple macOS installation of JMP, the license window is no longer missing.
- In the Control Chart Builder, Short Run Target Sigma calculations are now correct.
- If you used the Design Space Profiler in the special case of a Fit Group, where a number of fitting platforms were gathered so that one Profiler could be made for the group for fits, multiple threads could sometimes overwrite factor values, potentially leading to incorrect results. This is now fixed.

In addition, these updates have been made:

- The Python version has been updated to 3.11.9.
- On Windows, the libcurl version has been updated to 8.7.1.