

# Release Notes for JMP 9.0.3

JMP 9.0.3 is a general maintenance release that contains enhancements and bug fixes. Note that the list of fixes below is intended to show the scope of the 9.0.3 fixes, but is not a complete list of all fixes. Reproducible crashes, and numeric issues have been corrected. Applying this maintenance release is recommended for all sites.

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## General Improvements and New Features

- Microsoft Excel 2007 direct (non-ODBC) file import is now available.
- Mail() now allows multiple attachments in JSL.
- Fixes to support MAC OS X
- Improved diagnostics on software exceptions and issues
- Improvements to performance and large data handling in several procedures, including splitting, updating, and joining.

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## Scripting Changes and Improvements

- Data Type() no longer requires an Informat argument when converting character to numeric.
- Column formulas containing Row() are now re-evaluated after sorting.
- Custom column properties created by an encrypted script are now displayed, rather than set to blank.
- Graphics containing custom scripts with shared variables properly convert to image files.
- As Scoped() now accesses the specified variable.
- Set Each Value now handles values specified as Empty().
- Print Window message now works without Show Dialog.
- Saved scripts from Graph Builder now retain axis label names.
- Sorting a field no longer causes errors when attempting to subsequently replace a data table if reports are open.

- The `Save Flag` argument for `Pick File()` now works as documented. It brings up a save dialog with a value of 1, and opens the file dialog with a value of 0 (the default).
- `Match()` functions now evaluate arguments as necessary, instead of only on the first invocation.
- `Local()` Assignments that include complex platform invocations now work correctly.
- Formula columns mixing locals or parameters with column functions such as `Col Mean()` now work correctly.
- A `For()` loop contained within an Outline Box in some cases would inappropriately run more than once. Control would incorrectly be passed to the Outline Box. The loop now runs only once, and returns control to the statement following the `For()` loop.
- Variable names containing colons are no longer confused with namespaces.

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## Specific Improvements

- Scatterplot Matrix now honors `Fit Line` when an  $x$  is specified.
- Bubble plot with by group now honors specified Min and Max column property on the y-axis.
- Cluster platform now creates legends when run from saved scripts.
- Cluster platform legends are now colored appropriately.
- Two-way clustering legend ranges now accurately reflect data ranges.
- Contour plot now takes advantage of automatic recalc.
- Contour plot with reverse colors now retains the reverse color scheme
- When saved to a Journal, Contour Plots with empty contours are now drawn correctly.
- Test 3 is flagged correctly in all phases of a control chart.
- Control chart scripts now insert sample size value appropriately when using `Eval Expr()` or `Substitute()`.
- Control limits for P Chart are now correct with zero sample size or missing data.
- Linear interpolation is now provided as a way to avoid negative pseudo-failure time in Degradation platform.
- Slope and Intercept are now labeled correctly in Degradation platform.

- Specification settings for By groups in Capability Analysis are now retained in the report.
- **Recall** in the Model window now recalls grouped columns correctly.
- Multivariate platform Mahalanobis Distance outliers now saved in the column properties.
- Neural platform creates SAS code correctly in cases when categorical response levels begin with numbers.
- When missing value coding is requested on a Neural platform report, the labels for the missing value estimates are now correctly labeled as missing.