



Release 7.0.2

*“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

Release Notes for JMP 7.0.2

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Tables

7.0.2

- **Save Script to Data Table** now always saves the script to the source table when By groups are used.
- **Replace All** in the Search window now correctly replaces column names.
- Setting values for new columns using invalid JSL no longer causes JMP to quit.
- Rows are now added correctly when **List Check** is used.
- Columns with incomplete value labels now print correctly.
- Column formulas with dependencies on other columns are now handled better and stop possible background loops.

7.0.1

- Pressing the **[Esc]** key in a **Save** window while exiting JMP functions properly.
- Closing a data table while a script is running no longer causes JMP to quit.
- After adding multiple columns, **Edit > Undo** responds correctly.
- Pasting into an empty data table retypes the first column to match the input data type.
- The Value Ordering property now ignores any trailing characters in cells.
- **Select Where** on linked subsets functions properly.
- Selecting a lot of columns at once is faster.
- Converting a character column that contains numbers to a numeric column no longer truncates the numeric values.
- The Value Ordering property correctly handles an incomplete list of values.
- Row state columns are now available for all operations on the **Tables** menu except for **Join** and **Update**.

Formula Editor

7.0.2

- Hints for the If and Match operators are now correct.

7.0.1

- The Formula Editor performance on Macintosh is improved.
- Simplifying formulas has been improved.
- Closing the formula editor after making no changes no longer prompts you to save changes.
- Saved formula columns no longer include “By Linked Subset” as part of their names.
- The Formula Editor now automatically closes quotes, as it did in JMP 6.

Row Editor

7.0.1

- The default width for character columns in the Row Editor is larger.

Column Info Dialog

7.0.1

- When changing both the analysis type and the data type in the Column Info window, both changes are now applied.

Summary

7.0.2

- Row markers in the original table no longer disappear after sorting a summary table while using the Replace option.
- Deleting rows from a summary table that has its own summary table no longer causes JMP to quit.

7.0.1

- After deleting rows in a Summary table, **Edit > Undo** works correctly.

Transpose

7.0.1

- By-Group columns are now always included in the transposed table.

Concatenate

7.0.2

- Intermediate data tables are now displayed in the Concatenation window.

7.0.1

- Concatenating tables with identical table properties no longer results in a table with those properties duplicated.
- Concatenating tables with the **Append to first table** option checked works as expected.
- The Concatenate operation no longer changes column formats when the **Append to first table** option is checked.

Join

7.0.1

- When matching columns have List Check set with different orderings, the **Join** operation now works correctly.

Tabulate

7.0.1

- When the **Include missing for grouping columns** option is selected, **% of Total** now reports the correct values.
- Drag and drop operations now work correctly when JMP windows are maximized on Windows.

Missing Data Pattern

7.0.1

- You can now delete a row from the Missing Data Pattern output data table.

Data Filter

7.0.2

- Labels for categories in the Data Filter are now correctly displayed when the font size is increased.

7.0.1

- You can now change the modeling type of the filter column while the animation dialog is open.
- Animation in the Data Filter now works properly after restoring a previous session.
- The slider's operation has been improved.
- Selecting Categorical columns with many categories is now faster.

Import/Export

Text Import

7.0.1

- The text import wizard now handles non-standard delimiters.
- Importing text is now faster.
- Text files with missing delimiters after quotes are handled better.

HTML Import

7.0.1

- Code within comments is now ignored.
- On Windows, the encoding of HTML files is handled better.

SAS

7.0.2

- When importing SAS data sets that are too large for the available memory, an error is reported to the log, the import is stopped, and JMP no longer quits.
- The import of SAS Transport files now supports the TIME format.
- When importing SAS/ACCESS data sets, the SAS libref is now used instead of the friendly name for retrieving metadata, thus no longer causing a failure to import.

7.0.1

- A successful SASExportData operation no longer opens a message window upon completion.
- JMP data exported to SAS no longer contains invalid decimal widths.
- Very wide data tables can now be saved as SAS data sets using the Local Data Provider.
- Linked subsets with character columns now save as SAS data sets correctly.
- SAS data sets with up to 50,000 columns can now be imported using the Local Data Provider.
Note: You must install the latest SAS Providers for OLE DB (also called the SAS Local Data Provider) separately from the JMP 7.0.1 update to see this improvement.
In the folder that contains the JMP setup program, double-click **sasoledb.exe**. In the Select Components window in the Wizard, select the first option, **Local, single-user, read-only raw data access**, to install.
- SAS data sets that contains Japanese-encoded data are now imported better.
Note: You must install the latest SAS Providers for OLE DB (also called the SAS Local Data Provider) separately from the JMP 7.0.1 update to see this improvement.
In the folder that contains the JMP setup program, double-click **sasoledb.exe**. In the Select Components window in the Wizard, select the first option, **Local, single-user, read-only raw data access**, to install.

Excel

7.0.2

- Importing corrupt Excel files no longer causes JMP to quit.

ODBC

7.0.2

- Occasionally, opening and querying database tables on SQL Server 2005 would generate a connection error. This has been fixed.
- Saving a JMP data table with large amounts of character data to an Excel file is now much faster.

User Interface

Preferences

7.0.1

- Communications preferences for **Stop Bits** and **Flow Control** are now saved correctly on Windows.
- If Adobe Acrobat is not installed and you try to open a book from the JMP **Help** menu, you are presented with an error message on Windows.
- There is a new preference for the script editor to show tooltips.

Menu Editor

7.0.1

- You can now drag and drop items anywhere in the menu editor.

Windows Tree List

7.0.2

- Right-clicking and selecting **Run Script** in the File System and the Project trees now runs the script only once instead of twice.

7.0.1

- Menu options for the Windows Tree List have been improved. For details, see the *JMP User Guide*.
- Icons in the window list for SAS Code, HTML, and other windows are now correct.

Projects

7.0.2

- Archived projects no longer become corrupted sometimes.
- Only one copy of windows and reports is opened from a project.
- Closing two or more documents that refer to the same project tree no longer causes JMP to quit.
- Adding a report window that was generated from an unsaved data table no longer causes errors when the project is later re-opened.

7.0.1

- Script links and file references using path variables are now archived in projects.
- When you close JMP after changing a link in a project, you are now prompted to save the project.

Journals

7.0.2

- Transparency settings are no longer lost when copying and pasting into journals and layouts.
- Color names are better handled in localized versions of JMP and no longer cause errors in journals or scripts.
- Scripts now honor the **Save As English** preference in localized versions of JMP.

7.0.1

- Value labels are now journaled correctly.
- Data tables are now correctly included in journals and layouts.

Sessions

7.0.2

- New sessions are now saved correctly for JMP on Linux.

Toolbars

7.0.2

- When **Retain Exact Tool Positions** is selected in Preferences, floating toolbars no longer creep downward each time JMP is re-started on Windows.

SAS Integration

7.0.2

- Stored processes run against data sets with date, time, or datetime (timestamp) columns that have missing values now work correctly.
- Editing the same stored process parameter twice simultaneously no longer causes JMP to quit.

7.0.1

- Browse SAS Data no longer quits when all servers are de-selected.
- Parameters with multiple values in SAS stored processes are now handled consistently with other SAS clients.
- Custom package stored processes no longer return missing values as zeros.
- SAS/ACCESS data can now be accessed.

Display

7.0.2

- OpenGL displays now use hardware acceleration by default when JMP is running on Mac OS 10.5 or later. This allows a Scatterplot 3D graph to be rotated without lengthy pauses caused by software OpenGL emulation.

7.0.1

- Drag and drop operations now work correctly when JMP windows are maximized on Windows.
- The **Graph** toolbar now includes the icon for **Multivariate Control Chart**.
- Customized line colors now remember the pen color.
- The positioning of re-sized nominal axis labels is improved.
- Legend colors are now displayed in the right order if report table is re-sorted
- Customized lines are now saved to scripts correctly.
- Scrolling list boxes are now re-sized properly when font sizes are changed.
- The **Magnifier** tool now works correctly for Scatterplot 3D.
- Editing column names in reports now shows proper highlighting.
- Copying a CDF plot as RTF to the clipboard is now much faster.

Design of Experiments

Custom Design

7.0.2

- JMP no longer misdiagnoses designs where the ranges between many factors are very small as a singular design.

7.0.1

- *I*-Optimal designs no longer return *D*-Optimal designs under certain conditions.

Space-Filling Design

7.0.1

- Space-Filling Designs are now faster.
- You can now cancel Latin Hypercube, Sphere Packing, and Uniform designs while they are calculating.

Analyze

Distribution

7.0.2

- The Goodness of Fit test is now correct for Johnson Sb, Su, and Sl fits.
- The **Test Probabilities** option now gives correct results when one level has a weight/freq of 0 and the hypothesized value is missing.
- The **Automatic Recalc** option now works correctly when adding rows.

7.0.1

- Histogram bars with custom colors now change to a sufficiently dark color when they are selected.
- If you exclude all rows while the **Automatic Recalc** option is selected, a nominal distribution report now shows an empty histogram with axis labels and a text report that shows there is no data.
- Distribution now responds to data table changes when the **Automatic Recalc** option is selected.
- Distribution no longer rotates the text report to match the histogram when the **Automatic Recalc** option is selected and the histogram is rotated to horizontal.
- You can select **Display Options > Horizontal Layout** when a CDF plot is in the report.
- Nominal histograms now show axis labels for variables with many (more than 20) levels.
- When a data table has more than 100,000 rows, the **Outlier Box Plot** option is now turned off by default. This improves the performance of the Distribution platform for large data tables.

Fit Y by X: Oneway

7.0.1

- Tukey tests no longer cause JMP to freeze for certain data tables.
- When rows are excluded, deleted levels in multiple comparisons reports are now emptied instead of re-organized, leading to fewer error messages.
- If a Oneway report isn't produced because all data is missing, commands for the missing report are handled correctly.

Fit Y by X: Bivariate

7.0.1

- Successive saves of predicted values for different fits no longer overwrite the previous predicted values saved.
- VIF is now computed correctly when the intercept is constrained to 0.

Fit Y by X: Contingency

7.0.1

- When selecting and de-selecting the **3D Correspondence Analysis** option, the table is displayed and removed instead of adding a new one each time the option is selected.
- Contingency tables are now highlighted correctly when a **Weight** variable is specified.

Fit Y by X: Logistic

7.0.1

- When the **Show Rate Curve** option is selected, its menu item is now checked.

Fit Model

7.0.2

- Mean confidence intervals and prediction intervals are now calculated correctly when the random effect is missing.
- The Least Square Fit profiler no longer causes JMP to quit when many *Y* terms are present.
- Missing values in a Nominal response no longer results in incorrect numbers for a Generalized Linear Model.
- The Specification of Compound Response Effect window for a Manova fit now produces the correct contrast matrices.

7.0.1

- Stepwise Ordinal now correctly handles the case where the **No Intercept** option is selected but not allowed.
- Singularity tests in logistic regression are now scale-invariant.
- Radial effects now handle missing and excluded *Y* data properly.
- Radial effects are now saved correctly in scripts.
- Nested logvariance effects are now built correctly.
- Selecting the **Fit Only Varcomps** option in a REML fit now works correctly.
- When a model includes By-groups on Windows, **Run Model** now shows the report window.
- When the **Show Prediction Equation** option is un-selected, the equation is now removed.
- Knotted splines now spread the knot points over the whole range.
- Stepwise no longer shows spurious alerts for singular models.
- Fit Model now centers properly in cases where the data has a very low CV and for transformations.
- Fit Model now uses correct implied bounds when pseudo-components are specified.
- When you select both L and U pseudo-components, both are now checked and the fitting routine uses the most appropriate one.

Modeling: Screening

7.0.1

- The **Make Combined Data Table** option now works when columns have blank names.

Modeling: Nonlinear

7.0.1

- Assignments made to a column within a loss formula now work properly.
- The **Show Prediction Formula** option now reports the loss formula for Loss models.
- The **Show Prediction Formula** option is now recorded in saved scripts.
- When conditions require the **Numeric Derivatives Only** option, the menu item to turn it off is now disabled.
- When the **Numeric Derivatives Only** option is used with Loss functions, the standard errors are now correct.
- If there is no prediction formula, the associated **Save** menu items are disabled.
- Calculating profile likelihood confidence limits now adapts to the previous correction.
- For loss models, the **Plot**, **Save Pred Confid Limits**, and **Save Indiv Confid Limits** options are now disabled.
- When the **SSE Grid** option is selected for loss models, the column that was titled “SSE” in the created data table is now titled “Loss”.
- Certain Nonlinear models no longer return access violation errors but instead return an accurate report, as they did in JMP 6.

Modeling: Time Series

7.0.2

- The French text for the ARIMA dialog has been corrected.

Modeling: Categorical

7.0.1

- Negative Chi-Square values are no longer reported when the value is actually 0 on PowerPC-based Macintoshes.
- The Bowker p -value is now correct when all values for a level are excluded or zero.
- Delimited responses now support multiple occurrences of a level.
- For Separate Responses cases, the data table that results from a **Make Combined Data Table** command now identifies the responses.

Multivariate Methods: Cluster

7.0.1

- Normal Mixtures Biplot circles are now drawn correctly.
- The initial position of Normal Mixtures Biplot circles is correct even if you don't first click Go.
- The tooltip labels for Hierarchical two-way clustering are now correct.
- The Fast Ward Cluster no longer causes JMP to quit when used for very wide data tables.
- The Fast Ward cluster is now faster in cases with fewer than eight variables. We do not recommend using Fast Ward in cases with more than eight variables.
- Cluster methods other than Fast Ward on large data tables no longer cause JMP to quit.

Survival and Reliability: Survival/Reliability

7.0.2

- The Shaded Confidence regions in the cumulative hazard plot are now drawn correctly for probabilities of 1 and 0 on Weibull and other quantile scales.
- Reference lines are now drawn over grid lines.
- The Axis Specification window now allows exponential probability scales down to zero.

7.0.1

- Survival curves are no longer labeled as failure curves in the Customize Graph window.
- Plotting columns for $\log(-\log(S))$ and $\text{Probit}(1-S)$ for **Save Estimates** are now the functions of S instead of $1-S$ in the expression.
- Probability Axis Scales now support rare event probabilities.

Graph

Chart

7.0.2

- Chart types other than bar charts are no longer re-set to bar charts when Exclude row states are changed in the Data Filter.

7.0.1

- The Relaunch Analysis option now works correctly.

Overlay Plot

7.0.2

- Selecting Overlay Groups when there are no groups to overlay no longer causes JMP to quit.

7.0.1

- The default line width is now thinner and responds to customization.
- Excluding all rows when a Group variable is specified no longer causes JMP to crash.

Scatterplot 3D

7.0.1

- The column selector in the launch dialog now has room for up to ten columns.
- You can now change an axis to the date format on Macintosh.

Bubble Plot

7.0.1

- Trails are now displayed correctly when there is a Time variable, there is no ID variable, and the **Selectable Across Gaps** option is selected.
- Several bubble plots can now be animated simultaneously.
- You can now change a categorical axis to a continuous axis.
- Clicking **Sizes** without picking a column and then clicking **OK** no longer causes JMP to quit.
- The **All Labels** option is no longer turned back on automatically after being turned off.
- Selections in other plots now highlight values correctly in bubble plots.

Cell Plot

7.0.1

- Changing the color theme for one group now changes the color theme for all.

Tree Map

7.0.1

- Tree maps with a Group variable specified now respond to changing excluded row states.
- Very small groups are now displayed on Macintosh.
- Pasting a tree map into Microsoft Word no longer transforms white letters over black squares into black letters over black squares.

Ternary Plot

7.0.1

- The frame around a ternary plot and the tick marks are now both grey instead of black, so that points on the line are now visible.
- Names no longer scroll out of the frame when you magnify a ternary plot.

Control Chart

7.0.2

- Creating Control Charts using a column whose sigma column property was set by a script no longer causes JMP to quit.
- Creating S-only and R-only Control Charts no longer causes JMP to quit.
- Switching a Control Chart from XBar or R to IR when the sample size is 1 no longer causes JMP to quit.
- Adding Principal Components to a Multivariate Control Chart no longer changes the Covariance matrix.
- Median calculations in Run Charts now exclude excluded rows.
- Cusum Control Charts no longer read the sigma value as the head start.

7.0.1

- Presummarize Control Charts now correctly read in limits from a limits file.
- Needle lines are now black, instead of matching the center line color.
- The line that connects data points is now drawn over the lines for the control limits and the center line.
- Specifying statistics for C- and NP-charts now reports the expected results.
- Cusum charts parameters now always appear in the correct position.
- Control Charts with pre-defined sigma and mean combination now report correct limits and tests results.
- XBar-, R-, and S-Control Charts with more than two phases now have correct limits for the middle phases.

Variability/Gauge Chart

7.0.2

- Y-axis scaling is now calculated better for data with a very small range.
- Cancelling the Linearity Study window without entering a value no longer leaves the Linearity Study option in the Gauge Studies menu checked and no longer causes JMP to quit.

7.0.1

- Terminology changes:
 - The Y-Axis names in the Bias Report have been changed to “Bias”.
 - The “Avg Bias” column is now titled “Bias” in the linearity report.
 - The term “Bias/Accuracy” is now “Accuracy”.
 - The term “%Accuracy” is now “%Bias”.
- When Gauge R&R is canceled in the launch dialog, the selection check for the **Gauge R&R** menu item no longer appears.
- An attribute gauge chart can now have a character-type rater with a large number of levels.
- Variability now correctly handles the case in which all rows have at least one missing value.
- If both the **K Sigma** and the **Gauge R&R** options are set in the Preferences window, the K Sigma is now used as well as Gauge R&R in subsequent reports.

Pareto Plot

7.0.2

- Creating a Pareto plot with grouping columns when an entire group is excluded no longer causes JMP to quit.

7.0.1

- Labels, colors, and markers applied to a Pareto chart are no longer over-ridden by row state changes.

Capability

7.0.2

- Importing Spec Limits tables for Capability Charts is now more tolerant of non-standard column names in the Spec Limits table.

7.0.1

- Capability and Normalized box plots no longer display points inside the box plot fences.

Profiler

7.0.2

- The Profiler now supports table variables.
- The Profiler now correctly handles cases with large numbers of terms.

7.0.1

- You can now right-click in the Desirability areas.
- Output data tables from simulation experiments no longer make table variables for locked blocking variables.
- Linked profilers now broadcast responses as well as factors.

- The profiler now handles cases where invalid scripts call for non-existent factors.
- The surface profiler axis is now scaled correctly.
- When the **Remember Settings** option is selected and the report script is saved, the option is now saved in the script.
- You can now control-click on a simulator histogram before the simulation is complete.

Contour Profiler

7.0.2

- The Contour Profiler for mixtures draws contours against the graph borders more accurately.

Custom Profiler

7.0.1

- Saved desirabilities are now saved with the correct sign.
- The default desirability Y settings for ordinary formula columns are now consistent with the regular profiler.
- The default desirability settings for Noise column derivatives now target zero, and are now the same as in the regular profiler.

Scripting

7.0.1

- Scripts are now opened in the script editor instead of running automatically. There is a new preference to control this behavior. See the *JMP User Guide* for details on this preference.
- Scripts larger than 32,000 bytes in length can now be encrypted and decrypted.
- An infix colon scoping operator followed by a prefix colon scoping operator is no longer treated as an infix double-colon index operator even with an intervening space character.
- JMP startup scripts no longer prompt about potentially unsafe operations.
- Running a script that creates a data table and runs some operations on it, closing the data table and then re-running script no longer causes errors but instead re-creates the data table and successfully performs the operations on it again.
- `Throw()` now has a second, optional, argument that defaults to 0. If it is set to one, additional information is sent to the log. If it is not included (or is set to 0 explicitly), no extra information is sent to the log and `Throw()` terminates silently.
- JSL now sets labels correctly.
- Variability reports called from JSL with multiple Y variables are now displayed correctly on Windows and Macintosh.
- A script with a colon at the end of a line no longer causes JMP to quit.

The JSL Operator Index

7.0.2

- Selecting **Copy** from the **Edit** menu in the JSL Operators Index no longer causes JMP to quit.
- Numerous improvements to descriptions and examples in the JSL Operator Index.

7.0.1

- **Current SAS Connection()** is no longer listed incorrectly as **Current Sas Connect()**.
- Many functions that previously did not have examples now do.

JSL Functions

7.0.2

- Generated scripts for **Join** that includes non-matches now uses better syntax that is compatible with previous versions of JMP.
- **Scheduler() << Close** now closes the scheduler window and no longer causes JMP to quit.
- **Pick Directory()** no longer causes JMP to quit if the window that launched the command is closed.
- **DT << Get Rows Where()** no longer causes JMP to quit if no where clause is provided as an argument.
- Running a script that contains a **Distribution(Stack())** command followed by a **Close(dt)** command no longer causes JMP to quit.
- **Char To Blob()** now works correctly for two arguments.
- Local HTML files can now be opened using the **Web()** command when the pathname starts with **file:** instead of **http:**.
- The **Mail()** command now sends attachments correctly.

7.0.1

- **Maximize()** and **Minimize()** no longer return values with the incorrect sign.
- The Nonlinear script option **Numeric Derivatives Only** now works correctly.
- Complex diagrams saved to scripts now save and run correctly.
- **Derivative()** no longer returns missing when the derivative is zero.
- **Save Journal("")** now prompts for a save path.
- A new **Regex()** function is case-sensitive. See the JSL Operators Index for details on using it.
- **Substitute()** and **Substitute Into()** now work correctly for the first item in the expression.
- **Radial Distance()** is now correct for cases in which there is an even number of columns.
- **Gage R&R()** (from JMP 6 and earlier) now correctly runs **Gauge R&R()** on the Macintosh.

- The JSL messages `Input Format` and `Get Input Format` have been added for columns. The `Get Script` message for a column now returns the input format.
- `Set Menu()` no longer prompts you to replace the menus; instead, running `Set Menu()` silently sets the menu.
- The **Stop Script** menu item is always available when a script is running.
- Regular expressions in the data table Find window and in `Regex Match()` now return values as expected.
- Deleting rows between a `Begin Update` message and an `End Update` message no longer causes JMP to quit.

Script Editor

7.0.2

- Auto-completion now works correctly in the Japanese version of JMP when the **Save Scripts in English** preference is selected.
- Pressing the Enter key on the numeric keypad now executes either the current line or the selected lines.

7.0.1

- Non-text keys no longer enter invalid UTF-8 data (which sometimes caused JMP to quit).
- Tooltips are now truncated so they are not too long or take too long to appear.
- Tooltips now honor hard line breaks on Macintosh.

Automation

7.0.2

- Automation now correctly returns error strings from `RunCommand()`.

7.0.1

- The `MidStepQuantilePoints` option for Survival now works correctly.
- The following Automation methods have been added to Survival:
 - `LaunchSpecifyCensorCode`
 - `EstimateSurvivalProbability`
 - `EstimateTimeQuantile`

Miscellaneous

7.0.2

- Numeric and Monetary values are now localized correctly in JMP on Linux.
- ISO-8601 date labels are now localizable.
- German dates are now parsed correctly.

Release Notes for JMP 7.0.2

- Angle brackets in combo box items are no longer displayed as “Less Than” or “Greater Than”.
- In JMP for Macintosh, using command-key shortcuts for unavailable options no longer results in extraneous characters being entered at the cursor.
- In JMP for Linux, percent-encoded URLs are now decoded properly.
- In JMP for Linux, the installation directory is now fully re-locatable.

7.0.1

- Long tooltips no longer are displayed too far to the left, hiding the beginning of the tip.
- Dialogs containing unicode characters are no longer overly wide on Windows.
- Closing the Column Info window when the Windows List is open no longer activates the last data table that was opened.
- Numbers in JMP are now displayed in the current locale format.
- Different installations of the JRE on 64-bit machines no longer prevent JMP from connecting to SAS.
- JMP now runs better on Vista under a Standard User account.

Activation

7.0.2

- The request code in the Manual Activation window in JMP for Macintosh is now displayed correctly.
- The telephone number for JMP Technical Support in the Activation window in the Chinese version of JMP is now displayed correctly.

7.0.1

- In the reactivation window, **No** is now the default button instead of **Yes**.

Update Checker

7.0.2

- Text in the Update Checker’s Results window is now displayed correctly.
- Clicking **Reset to Defaults** in the Preferences for JMP Updates now turns update checking off, which is the default preference.

7.0.1

- A message no longer appears in the log when the update checker runs.

Sample Data

7.0.2

- Citations have been expanded and improved in several data tables.
- Scripts have been corrected in two data tables (JohnsonSuExample.jmp, Popcorn DOE.Results.jmp).
- A misspelling in a column name in SmogNBabies.jmp is now correct.
- The Score column in Cheese.jmp now has correct values.