

JMP[®] 14

Windows Menu Descriptions

File Menu

Item	Description
New	Creates a new data table, script, journal, database query, project, application, dashboard, or add-in.
Open...	Locates and opens files of various types.
Quick Open	Enables you to enter a search term and find recently opened files from any JMP window.
Close	Closes the active window. Prompts you to save changes.
Close Project	Closes the current project. Available only when a project is open.
Import as Data	Imports text-formatted data using the Import Settings in File > Preferences > Text Data Files. Before invoking the Import as Data command, you must paste the data into a script window, and that window must be active.
Import Multiple Files...	Opens multiple files from a folder, combining similar files into data tables.
Save	Writes the active window to a file, providing a choice of appropriate extensions.
Save As...	Writes the active window to a file after prompting you for a filename and type.
Revert	Restores the current JMP file to its last saved condition.
Save Project	Saves the current project. Available only when a project is unsaved.
Save Project As...	Saves the current project using the specified name. Available only when a project is open.
Archive Project...	Compresses the project files in a .zip file. Available only when a project is open.
Database	Opens the Query Builder for interactively building SQL queries; opens a connection to any database on your system that has an ODBC driver; and opens or saves a data table.
SAS	Connects to a SAS server; opens the SAS Query Builder for interactively building SQL queries; lets you browse and run SAS stored processes or open SAS data files and folders; provides an editor window; sends SAS code from JMP to the currently active SAS server; opens SAS Log and Output windows; and exports data to SAS.
Internet Open...	Opens remote files in a browser or text editor window, and opens an HTML table as a data table. Also lets you open JMP tables and run scripts from a Uniform Resource Locator (URL).
Publish...	Converts a set of open reports to web pages with an index page.
Create Excel Workbook...	Converts open data tables to a Microsoft Excel workbook.
Preferences	Lets you specify options and settings for start-up items, reports, tables, analysis platforms, import and export settings, graphic formats, fonts, SAS integration, and more. Also lets you reset defaults.
Print...	Prints the active window.
Print Preview	Displays the contents of the active window in print view.

File Menu (continued)

Item	Description
Page Setup...	Displays the standard window for setting printed page properties.
Send...	Submits the open window to the default e-mail program. Prompts you to save new windows first.
Recent Files	Displays a list of the twenty most recently opened files for easy re-opening.
Save Session Script...	Creates a JMP Scripting Language (JSL) script to re-open all currently open files and re-run all currently open analyses and graphs.
Save Projects	Saves JMP projects with a .jmpproj extension. Option available only when a project is open.
Exit JMP	Closes all JMP windows and quits JMP. Prompts you to save new or changed JMP files. Also asks whether you want to save the session script.

Edit Menu

Item	Description
Undo	Cancels the effect of the most recent reversible Edit, Rows, or Columns command.
Redo	Reverses the most recent Undo command.
Cut	Copies selected data table cells to the clipboard and replaces the data with missing values. In reports and other windows, copies selected content to the clipboard.
Copy	Copies selected data table cells to the clipboard. In reports and other windows, copies selected content to the clipboard.
Copy As Text	Copies all text (but no graphs), or text selected using the selection tool, from the active report window to the clipboard.
Copy With Column Names	Copies selected data table cells and column names to the clipboard.
Paste	Copies content from the clipboard into the open window.
Paste With Column Names	Copies data from the clipboard into the active data table. Converts text on the first line of the clipboard to column names.
Clear	Removes selected data table cell contents and adds missing values. In journal and script windows, removes selected content.
Select All	Selects all rows in a data table. In reports and other windows, selects all content when one item is selected.
Save Selection As...	Saves selected portions of an analysis window in a graphic format.
Encrypt Script	Places encoding in a script so that you must have the password to open or run the script. Only available if an unencrypted script is in the active window.
Decrypt Script	Lets you open or run an encrypted script. Only available if an encrypted script is in the active window.

Edit Menu (continued)

Item	Description
Run Script	Processes JSL commands entered in the script window. You are prompted to select a data table, if none are opened. If several data tables are opened, the script is run on the last table that you opened. Otherwise, the script is run on the only open table.
Debug Script	Lets you troubleshoot script errors in a new script window.
Stop Script	Stops running a JSL script.
Submit to SAS	Connects to a specified SAS server and submits SAS code directly from JMP.
Search	Finds and replaces text in data tables and scripts.
Go to Line...	Scrolls to a specific line number in a script.
Balance	Selects all text within a pair of brackets that include the cursor. Only available if a script window is active.
Reformat Script	Adds tab and return characters where appropriate to display the script in more readable layout.
Journal	Copies output from a data table or report window to a journal window. Lets you save reports, add notes, and organize output.

Tables Menu

Item	Description
Summary	Creates a table that contains user-specified summary statistics calculated from the active data table.
Subset	Creates a new data table that is a subset of the active data table and can be linked to the original table.
Sort	Sorts a JMP data table by one or more columns. This creates a new data table, or you can replace the original table with the sorted table.
Stack	Stacks specified columns into one or more new columns in a new data table.
Split	Splits one or more columns, according to values in a Split By column, to form multiple columns in a new data table.
Transpose	Creates a new data table where the data in the selected columns of the original table are arranged in rows. This equates to switching the rows and columns in the original selection.
Join	Adds columns from a second table to the main table, using row number or matching columns, or by forming a Cartesian join.
Update	Replaces data in the active table with data from a second table without producing a new table.
Concatenate	Stacks two or more tables on top of each other by matching column names.
JMP Query Builder	Interactively queries one or more data tables to create a new data table.
Missing Data Pattern	Describes the missing data in your table in terms of the columns where it is missing.

Tables Menu (continued)

Item	Description
Compare Data Tables	Compares the numbers of columns and rows, table properties and scripts, column attributes and properties, and data in two open data tables.
Anonymize	Removes unique identifiers from the data table or specific columns.

Rows Menu

Item	Description
Hide and Exclude	Hides and excludes selected rows in plots and analyses.
Exclude/Unexclude	Excludes or includes selected rows in analyses.
Hide/Unhide	Hides or shows selected points in all plots.
Label/Unlabel	Labels or unlabels selected points in all plots.
Colors	Changes selected points in all plots to a specified color.
Markers	Replaces selected points in all plots with symbols that you select.
Next Selected	Locates and flashes the first selected row in a data table after the current row.
Previous Selected	Locates and flashes the first selected row in a data table before the current row.
Row Selection	Provides several options for selecting rows based on one or more conditions.
Clear Row States	Clears all active row states in the data table.
Clear Selected Row States	Clears all selected row states in the data table.
Color or Mark by Column...	Assigns colors or markers to rows based on values in a selected column.
Row Editor	Opens a window that lets you edit cells in a row. Helps you select rows and create new rows.
Delete Rows	Removes all selected rows from the data table.
Add Rows...	Adds rows to a specified location in the data table.
Move Rows...	Moves selected rows to a specified location in the data table.
Data Filter	Selects, shows, or includes rows based on conditions on the values of specified columns.

Cols Menu

Item	Description
New Columns...	Adds a new column, and lets you name the column and change attributes and properties.
Column Selection	Highlights and scrolls to the specified column. Locates and flashes the first or next selected column in a data table after the current column. Selects the previously deselected columns.

Cols Menu (continued)

Item	Description
Reorder Columns	Moves the selected column to the specified location. Rearranges columns by the original order, name, data type, modeling type, or in reverse order. Selects the previously deselected columns or deselects the previously selected columns.
Column Info...	Displays and allows changes to column name, attributes, and properties for selected column or columns.
Standardize Attributes...	Sets attributes and properties for multiple columns at once.
Preselect Role	Assigns an analysis role, which can be saved with the data table, to selected column or columns.
Formula...	Shows the formula editor window for selected column or columns.
Label/Unlabel	Tells JMP whether to use values from the selected column or columns to identify points in plots when the cursor is placed near them. To display labels for points on plots, the corresponding rows must have a label row state.
Scroll Lock/Unlock	Locks or unlocks selected columns into or from the left-most position in the table. Locking a column keeps its contents visible when you scroll horizontally.
Hide/Unhide	Hides or shows selected columns without removing them from the table. Retains them in analyses.
Exclude/Unexclude	Excludes or includes selected columns in analyses.
Use for Marker	Displays the images in expression columns as markers on graphs.
Recode...	Enables you to edit and group similar values in a column.
Columns Viewer	Provides a quick way to view columns using specific criteria (such as column names, properties, and attributes). You can then view summary statistics and properties for those columns, view quartiles in the summary statistics, show the columns in a separate data table, and more.
Utilities	Restructures data. Compresses columns, converts a column of delimited data to multiple columns, creates indicator columns, combines columns, and customizes binned data.
Group Columns	Groups columns under one heading to manage large numbers of columns and facilitate analysis role assignment. Grouped columns are shown in outline view under a gray disclosure icon in the columns panel.
Ungroup Columns	Removes the grouping heading and displays individual column names in column panel and analyses.
Delete Columns	Removes selected columns from the data table.

DOE Menu

Item	Description
Custom Design	Creates D-optimal and I-optimal designs for a wide range of design situations and constraints.
Augment Design	Adds runs to an existing design in an optimal fashion. Provides various choices for how to add these runs.

DOE Menu (continued)

Item	Description
Definitive Screening	<ul style="list-style-type: none">• Definitive Screening Design creates a design with three levels for every quantitative factor. Main effects are independent of two-factor interactions, and two-factor interactions are not confounded with each other.• Fit Definitive Screening provides options for modeling definitive screening designs.
Classical	<ul style="list-style-type: none">• Screening Design constructs classical and main effects screening designs. The factors can be 2-level continuous, discrete numeric, and categorical factors with an arbitrary number of levels.• Response Surface Design generates a list of classical response surface designs for the specified number of continuous factors and creates the chosen design.• Full Factorial Design creates a design using all combinations of factor levels for a set of continuous and categorical factors with an arbitrary number of levels.• Mixture Design creates a design that is appropriate when the factors are components in a mixture. Some design types accommodate linear constraints.• Taguchi Arrays constructs a Taguchi design. Signal and noise factors, a choice of inner and outer array designs, and signal-to-noise ratios are supported.
Design Diagnostics	<ul style="list-style-type: none">• Evaluate Designs evaluates designs for any table treated as a design. You can modify the model terms and the aliasing terms, and the diagnostics update accordingly.• Compare Designs compares two or three designs simultaneously to explore and evaluate their performance. Provides diagnostics that show how the designs perform relative to each other as well as how they perform in an absolute sense.• Sample Size and Power computes power, sample size, and effect size for means, variance, proportions, and counts. The platform also computes sigma quality level and more.
Consumer Studies	<ul style="list-style-type: none">• Choice Design creates an optimal discrete choice conjoint experimental design. These designs are useful in studies where users are asked to specify preferences relative to combinations of product or service features.• MaxDiff Design constructs a design consisting of choice sets that can be presented to respondents as part of a study where respondents specify most and least preferred combinations of features.
Special Purpose	<ul style="list-style-type: none">• Covering Array creates a design for testing systems where failures occur as a result of interactions among components or subsystems (JMP Pro).• Space Filling Design creates a design that is appropriate when modeling deterministic or nearly deterministic systems, such as computer simulations.• Accelerated Life Test Design constructs tests based on one or two accelerating factors with either a main effects model or an interaction model for the latter.• Nonlinear Design creates an optimal design for estimating the parameters of a nonlinear model.• Balanced Incomplete Block Design creates a design for testing a treatments in b blocks where only k treatments ($k < a$) can be run in any one block.

Analyze Menu

Item	Description
Distribution	Provides a histogram for continuous data and a bar chart for nominal or ordinal data, along with relevant summary statistics. Presents options for many one-sample analyses, based on modeling type.
Fit Y by X	Shows plots that describe the relationship between any two variables. Provides two-sample analyses based on the modeling types of the two variables, such as bivariate, oneway, logistic, and contingency analysis.

Analyze Menu (continued)

Item	Description
Tabulate	Constructs tables of descriptive statistics using an interactive interface.
Text Explorer	Analyzes pieces of unstructured text, such as comment fields in surveys or incident reports, enabling you to interact with the text data with tools to consolidate similar terms, recode misspecified terms, and gain understanding of the underlying patterns in your textual data. (Analytics are available in JMP Pro.)
Fit Model	Fits models involving one or more Y variables and multiple X variables. Techniques include standard least squares, stepwise, generalized regression (JMP Pro), mixed models (JMP Pro), MANOVA, loglinear variance, logistic, proportional hazards, parametric survival, generalized linear models, partial least squares (JMP Pro), and response screening.
Predictive Modeling	Offers predictive modeling techniques: neural, partition analysis, bootstrap forest (JMP Pro), boosted tree (JMP Pro), K nearest neighbors (JMP Pro), naive Bayes (JMP Pro), and model comparison (JMP Pro). The menu also provides options to make validation columns and access prediction models that you saved in the Formula Depot (JMP Pro).
Specialized Modeling	Offers specialized modeling techniques: nonlinear, functional data exploration, Gaussian process, time series, fitting a model to a 2-level screening design, fitting a model to a definitive screening design, and matched pairs.
Screening	Offers techniques for screening large data sets, including analyzing outliers and missing values. Response Screening automates the process of conducting tests across a large number of responses. Process Screening addresses process stability and capability for large numbers of processes, presenting summary statistics in a compact tabular format. Predictor Screening is useful in screening a data set for significant predictors. Association Analysis analyzes transaction (market basket) data to identify items that appear together in transactions (JMP Pro). Process History Explorer analyzes complex processes to identify where a defect has occurred.
Multivariate Methods	Offers techniques for exploring relationships among multiple variables: multivariate fitting, principal components, discriminant analysis, partial least squares, multiple correspondence analysis, factor analysis, multidimensional scaling, and item analysis.
Clustering	Offers techniques for clustering: hierarchical clustering, K means clustering, normal mixture clustering, clustering rows based on categorical variables using multinomial mixtures (latent class analysis), and clustering variables into groups of highly correlated variables.
Quality and Process	Offers techniques for evaluating quality-related issues in processes or products: control charts (including an interactive control chart builder), measurement systems analysis, variability and attribute gauge charts, process capability analysis (including capability for non-normal process measurements), CUSUM control charts, Pareto plots, and fishbone (Ishikawa Cause and Effect) diagrams. You can also manage spec limits.
Reliability and Survival	Offers techniques for fitting survival and reliability data: life distribution, fit life by x, cumulative damage, recurrence analysis, degradation and destructive degradation, reliability growth and forecasting, reliability block diagrams (JMP Pro), repairable systems simulation (JMP Pro), product-limit survival fit, parametric survival distributions, and proportional hazards modeling.
Consumer Research	Offers techniques for studying consumer preferences. Options include categorical response survey analysis, choice models, MaxDiff analysis, uplift models for identifying the positive effects of marketing actions (JMP Pro), and multiple factor analysis.

Graph Menu

Item	Description
Graph Builder	Provides an interactive interface to create flexible trellis displays that are useful for visualizing multivariate data. Plots can be conditioned on discrete and continuous variables and include dot plots, smooth curves, normal density ellipses, box plots, lines, bar charts, and histograms. Available plots include contour plots, maps, parallel plots, mosaic plots, pie charts, treemaps, area charts, heat maps, formula charts, and line of fit. Map shapes are also supported.
Bubble Plot	Displays circles according to positional specification. Circles can be sized and colored according to selected variables. When there is a time variable, selected variables can be viewed dynamically over time.
Scatterplot Matrix	Displays scatterplots and density ellipses for all pairs of Y variables, or for a selection of Y variables plotted against one or more X variables.
Parallel Plot	Draws a plot that connects the values of selected Y variables for each row in the data table.
Cell Plot	Creates a rectangular array of cells drawn with a one-to-one correspondence to data table values, and colored by the values in the cells.
Scatterplot 3D	Creates three-dimensional rotatable plots for multiple Y variables. Displays and saves principal components, standardized principal components, and rotated components. Also displays normal contour ellipsoids, nonparametric density contours, and biplot rays.
Contour Plot	Constructs contour plots for one or more numeric response variables, Y, across a grid defined by two numeric X variables.
Ternary Plot	Illustrates the distribution of three-part (numeric) compositional data, using a two-dimensional plot.
Surface Plot	Creates a three-dimensional, rotatable display of points or of a surface defined by a saved formula.
Profiler	Displays prediction traces for each X variable, based on saved prediction formulas for each numeric response and linear constraints on the X variables. Allows simultaneous optimization of responses using desirability functions, estimation of response distributions using the simulator, and accesses and links to other profilers. Can be saved as an Adobe Flash file (.swf) to display in a web browser.
Contour Profiler	Displays contours of the prediction formulas for two factors at a time, along with three-dimensional mesh plots. Accesses the simulator, and links to other profilers.
Mixture Profiler	Displays a ternary plot and contours of the prediction formula for models involving mixture factors. Accesses the simulator, and links to other profilers.
Custom Profiler	Provides an interface for simultaneous optimization of responses, similar in function to the profiler. Allows linear constraints and a user-defined criterion for optimization, and displays predicted performance relative to benchmarks. Accesses the simulator, and links to other profilers.
Excel Profiler	Provides a method for transferring Excel data to JMP. You can then analyze the data using JMP's profilers.
Legacy	Provides access to graphs that you can now create in Graph Builder. Treemap creates a rectangular tiling for a nominal or ordinal variable where you can tile categories to be proportional in size to the counts of categories within a selected variable. A positional specification is optional. Chart plots bar, line, pie, needle, and point charts of user-specified summary statistics for multiple selected Ys across the values of up to two X variables. Overlay Plot plots one or more numeric Y variables across the values of a single X variable; several plots are constructed in one window using grouping variables.

Tools Menu

Item	Description
Arrow	The default tool. <ul style="list-style-type: none">• Lets you select points in plots and analysis options. Drag the cursor to select multiple points.• Rotates the plot in Surface Plot and Scatterplot 3D.
Help	Opens context-sensitive Help when you click the help tool in any part of a display or report.
Selection	Lets you select rows or regions of rows when you click and drag. Selects portions of graphical output or analysis results.
Scroller	Scrolls a report or journal window in any direction with more precision than when using scroll bars. The scroller is available in report windows and journal windows.
Grabber	<ul style="list-style-type: none">• Changes axis scaling when you hover with grabber and click over an axis. Hand changes orientation to indicate direction of change.• Changes both axes simultaneously when you click and drag within a plot.• In histograms, changes the number of bars or shifts the boundaries of the bars on the axis when you click and drag.• In any report table, rearranges columns.• In Surface Plot and Scatterplot 3D, click and drag an axis to move it. When you click the plot, the grabber turns to an arrow and lets you rotate the plot.
Brush	Lets you select one or more points when you brush over them.
Lasso	Lets you circle points with a curve. Hold down the SHIFT or CTRL key and circle more points to extend a selection.
Magnifier	Lets you zoom in to a plot when you click where the enlarged graph should be centered. Double-click to restore the graph to its original dimensions.
Crosshairs	Displays a moveable set of magnified axes to precisely locate points and estimate distances on plots.
Annotate	Lets you add editable text notes to JMP reports and journals.
Line, Polygon, and Simple Shape	Lets you draw lines, polygons, and shapes on JMP reports and journals. Right-click a line or shape for a menu of options.

Project Menu

Item	Description
Undo Layout	Enables you to undo actions performed on the tabs.
Redo Layout	Enables you to redo actions performed on the tabs.
Reset Layout	Returns all open reports and data tables to a tabbed view.
Bookmarks	Opens or closes the Bookmarks pane in the project window. Available only in a project.
Windows	Opens or closes the Window List pane in the project window. Available only in a project.
Log	Opens or closes the Log in the project window. Available only in a project.

View Menu

Item	Description
Associated Data	Brings the data table for the open report to the front.
JMP Starter	Opens and closes the JMP Starter window, which gives access to most commands found on the main menu or on toolbars.
Home Window	Opens and closes a window that lists recently opened JMP files and help files. Shows open JMP windows in an outline view (the same list that appears when you select View > Window List). Also lets you add frequently used files to a list of favorites.
Window List	Opens and closes a window that lists open windows. These windows are shown in an outline view.
Log	Opens a window that shows information such as JSL statements as they execute and script errors.
Status Bars	Opens and closes the status bar at the bottom of the JMP window.
Thumbnail Panel	Shows or hides the previews of open report windows. Available only in data tables when a report window is open.
Home Window Panes	Lets you choose which panes to display on the Home Window. Also lets you revert your changes to the JMP defaults. Available only from the Home Window.
Toolbars	Lets you add, remove, or revert to the original toolbars.
Running Queries	Lets you view ODBC queries that are running against an SQL database.
Add-Ins...	Lists the add-ins that you installed in JMP.
Customize	Lets you customize the toolbar and menu items and revert to the original settings.

Window Menu

Item	Description
New Data View	Displays a duplicate view of the active data table that is linked to the original data table.
Reveal	Shows previews of all open JMP windows so that you can quickly open another window.
Close All of Same Type	Closes all windows of the same type.
Close All Applications	Closes all open applications and dashboards. Appears only when the active window is an application or dashboard.
Close All Reports	Closes all open reports. Appears only when the active window is a report.
Close All Journals	Closes all open journals. Appears only when the active window is a journal.
Close All Scripts	Closes all open scripts. Appears only when the active window is the script editor.
Close All Data Tables	Closes all open data tables. Appears only when the active window is a data table.
Close All	Closes all open windows.

Window Menu (continued)

Item	Description
Minimize All	Minimizes all open windows.
Restore All	Displays all minimized windows.
Bring All Forward	Brings all JMP windows to the front.
Arrange	Shows options for selecting, displaying, and clearing selected windows. After you select windows, the Arrange Selected Windows option appears, which shows all selected windows side-by-side. After you select a report, the Arrange With Data Table option appears, which shows the report next to its data table.
Combine Windows...	Lets you select open JMP windows and merge them into a dashboard. Options include using a report as a selection data filter and displaying in Full or Summary view.
Move to/from Project...	Enables you to move selected windows to or from a new or open project.
Redraw	Refreshes a window after it shows stray imperfections from high-speed, dynamic handling.
Font Sizes	Increases and decreases the size of text in all open windows.
Set Title	Lets you change the name of the active JMP window.
Move to Back	Moves the active window behind all other JMP windows and shows the next window in the sequence.
Hide	Suppresses the display of the active window but does not close the window.
Unhide	Lets you select the hidden windows that you want to view.

Help Menu

Item	Description
JMP Help	Opens the JMP Help system.
Books	Opens .pdf files of the JMP documentation.
Sample Data Library	Opens a list of JMP sample data tables.
New Features	Opens the New Features .pdf file for the main JMP release.
JMP User Community	Opens the JMP User Community web page community.jmp.com .
Tutorials	Opens a set of JMP tutorials.
Tip of the Day	Opens the Tip of the Day window, which provides tips about using JMP.
Statistics Index	Defines statistical terms, opens online Help, launches analysis platforms, and lets you run scripts that illustrate the terms.

Help Menu (continued)

Item	Description
Scripting Index	Defines JSL functions, JSL objects, and display box elements. Several search options are available. You can also run examples and read online Help for the components. Above the list of commands, select All Categories to search all functions, objects, and display box elements.
Sample Data	Opens the Sample Data Index window, which provides links to sample data tables, sample scripts, and sample applications. Many sample data files include scripts that you can run to see examples of JMP tools and analyses. You can also run the sample scripts themselves to see examples of JMP tools and analyses.
Renew License	Lets you select a new license file to renew the license. Available only in annual license copies during the grace period and before the license expires.
About JMP	Displays product version, registration, user and system information, the JMP web page link, and more.

The Format menu appears only when Application Builder is open.

Format Menu

Item	Description
Add Module	Creates a new empty module.
Delete Module	Removes the currently displayed module from the application.
Align Boxes	Lines up the selected objects by the type of alignment that you select from the submenu.
Add Container	Places the selected object inside the object that you select from the submenu.
Remove Container	Removes the selected object from its container.