

# JMP 17 Windows Menu Descriptions

## File Menu

| Item                     | Description                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| New                      | Creates a new data table, script, journal, database query, project, application, dashboard, add-in, or workflow.                                                                                                                                                                                                                        |
| Open...                  | Locates and opens files of different types.                                                                                                                                                                                                                                                                                             |
| Quick Open               | Enables you to enter a search term and find recently opened files from any JMP window.                                                                                                                                                                                                                                                  |
| Import Multiple Files... | Opens multiple files from a folder, combining similar files into data tables.                                                                                                                                                                                                                                                           |
| Close                    | Closes the active window. Prompts you to save changes.                                                                                                                                                                                                                                                                                  |
| 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 file name 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.                                                                                                                                                                                                                                              |
| Export...                | Exports data to text, JSON data, Microsoft Excel, an image, PDF, HTML, Interactive HTML with Data, RTF, Microsoft PowerPoint, or Microsoft Word. The available options are based on the type of file that you are exporting.                                                                                                            |
| Publish                  | Publishes the current reports to a web page. You can publish to JMP Live, JMP Public, or to an interactive HTML web report. You can also publish data to JMP Live. Use the Manage Connections option to add new JMP Live connections.                                                                                                   |
| Database                 | Opens the Query Builder for interactively building SQL queries; opens a connection to any database on your system that has an ODBC driver; opens or saves a data table; or imports a database from an OSIsoft PI Server.                                                                                                                |
| Internet Open            | Opens remote files in a browser or text editor window, and opens an HTML table as a data table. Enables you to open JMP data tables and run scripts from a URL. Also provides a way to open data as a Google Sheets spreadsheet.                                                                                                        |
| SAS                      | Connects to a SAS server; opens the SAS Query Builder for interactively building SQL queries; enables you to 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. |
| Preferences              | Enables you to edit settings for start-up items, reports, tables, analysis platforms, import and export settings, graphic formats, fonts, SAS integration, and more. In addition, you can search for specific preferences and filter the results based on the version of JMP. Also enables you to 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.                                                                          |
| Recent Files           | Displays a list of the 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.       |
| 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 Full Precision | Copies a column of numeric data and maintain the full precision. Applies only to the fixed decimal format.                                                                                                                                            |
| 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. Available only if an unencrypted script is in the active window. When an encrypted script is in the active window, the menu item changes to Decrypt Script. |
| Decrypt Script...        | Enables you to open or run an encrypted script. Available only if an encrypted script is in the active window.                                                                                                                                        |

## Edit Menu *(Continued)*

| Item            | Description                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Import as Data  | Imports text-formatted data using the Import Settings in File > Preferences > Text Data Files. Before selecting the Import as Data command, you must paste the data into the active script window.                                                                  |
| 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 data table. |
| Debug Script    | Enables you to troubleshoot script errors in the JSL Debugger.                                                                                                                                                                                                      |
| 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. Available only if a script window is active.                                                                                                                                                    |
| Comment Block   | Comments the selected block in the JSL script.                                                                                                                                                                                                                      |
| Uncomment Block | Uncomments the selected commented block in the JSL script.                                                                                                                                                                                                          |
| 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. Enables you to save reports, add notes, and organize output.                                                                                                                                  |
| Lock Journal    | Prevents you from editing the journal.                                                                                                                                                                                                                              |
| Properties      | Enables you to modify the formatting of display boxes in a report.                                                                                                                                                                                                  |

## 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 data 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 selected 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 in which the data in the selected columns of the original table are arranged in rows. Transposing equates to switching the rows and columns in the original selection. |

## Tables Menu *(Continued)*

| Item                 | Description                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                       |
| 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 selected 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 enables you to 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.                                               |

## Rows Menu (*Continued*)

| Item         | Description                                                                             |
|--------------|-----------------------------------------------------------------------------------------|
| 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 selected columns. |

## Cols Menu

| Item                      | Description                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| New Columns...            | Adds a new column, and enables you to name the column and change attributes and properties.                                                                                                                                                                                                                                                                                        |
| Column Selection          | Highlights and scrolls to the selected column. Locates and flashes the first or next selected column in a data table after the current column. Selects any column that is currently deselected and deselects any column that is currently selected.                                                                                                                                |
| 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.                                                                                                                                                                                                                                |
| Column Info...            | Shows the column properties and enables you to change the 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 cell values for the selected 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, customizes binned data, converts a numeric column of codes to value labels, converts a column of strings to numeric codes, and recodes column names. New Column by Text Matching uses a regular expression to parse a column of text. |

## Cols Menu (*Continued*)

| Item              | Description                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column Names      | Move Up moves the first row of data to the column heading row. Move Up and Append appends the first row of data to the column names. Move Down moves the column headings to the first row of data. Recode Names opens a recode window that provides recode options for column names. |
| Clear Cell Colors | Clears the color of selected colored data table cells.                                                                                                                                                                                                                               |
| 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 different choices for how to add these runs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Easy DOE             | Provides a platform for designing, running, saving, analyzing, predicting, and documenting the results of a designed experiment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Definitive Screening | <ul style="list-style-type: none"><li>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.</li><li>Fit Definitive Screening provides options for modeling definitive screening designs.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Classical            | <ul style="list-style-type: none"><li>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.</li><li>Fit Two Level Screening provides options for modeling screening designs.</li><li>Response Surface Design generates a list of classical response surface designs for the specified number of continuous factors and creates the chosen design.</li><li>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.</li><li>Mixture Design creates a design that is appropriate when the factors are components in a mixture. Some design types accommodate linear constraints.</li><li>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.</li></ul> |

## DOE Menu (Continued)

| Item                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Diagnostics    | <ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li><li>• 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.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Consumer Studies      | <ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Special Purpose       | <ul style="list-style-type: none"><li>• Covering Array creates a design for testing systems where failures occur as a result of interactions among components or subsystems (JMP Pro).</li><li>• Space Filling Design creates a design that is appropriate when modeling deterministic or nearly deterministic systems, such as computer simulations.</li><li>• 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.</li><li>• Nonlinear Design creates an optimal design for estimating the parameters of a nonlinear model.</li><li>• Balanced Incomplete Block Design creates a design for testing <math>a</math> treatments in <math>b</math> blocks where only <math>k</math> treatments (<math>k &lt; a</math>) can be run in any one block.</li><li>• MSA Design generates a full factorial design for a measurement systems analysis (MSA) experiment and provides design diagnostic measures.</li><li>• Group Orthogonal Supersaturated Design creates a supersaturated design where the factors are partitioned into <math>k</math> orthogonal groups, with <math>k = 2</math> or a multiple of 4.</li><li>• Fit Group Orthogonal Supersaturated provides options for modeling a group orthogonal supersaturated design.</li></ul> |
| Sample Size Explorers | Enables you to investigate the impact of sample size on your ability to answer specific questions when planning experiments or studies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## 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, one way, 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), generalized linear 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), support vector machines (JMP Pro), model screening (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, time series forecast, and matched pairs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Screening            | Offers techniques for screening large data sets, including analyzing outliers and missing values. <ul style="list-style-type: none"> <li>• Explore Outliers enables you to explore outliers in both the univariate and multivariate cases.</li> <li>• Explore Missing Values enables you to explore and impute missing values in your data.</li> <li>• Explore Patterns enables you to explore and find unusual features or patterns in your data.</li> <li>• Response Screening automates the process of conducting tests across a large number of responses.</li> <li>• Predictor Screening is useful in screening a data set for significant predictors.</li> <li>• Association Analysis analyzes transaction (market basket) data to identify items that appear together in transactions (JMP Pro).</li> <li>• Process History Explorer analyzes complex processes to identify where a defect has occurred.</li> </ul> |
| Multivariate Methods | Offers techniques for exploring relationships among multiple variables: multivariate fitting, principal components, discriminant analysis, partial least squares, multiple correspondence analysis, structural equation models (JMP Pro), factor analysis, multidimensional scaling, multivariate embedding, 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), CUSUM control charts, EWMA control charts, model-driven multivariate control charts, legacy control charts, process screening, process capability analysis (including capability for non-normal process measurements), measurement systems analysis, variability and attribute gauge charts, Pareto plots, and fishbone (Ishikawa Cause and Effect) diagrams. Other options include managing specification limits and creating a graph of Operating Characteristic Curves (OC Curves).                                                                                                                                                                                                                                                                                  |

## Analyze Menu *(Continued)*

| Item                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reliability and Survival | Offers techniques for fitting survival and reliability data: life distribution, fit life by x, cumulative damage, recurrence analysis, degradation, repeated measures degradation, 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Genetics                 | <ul style="list-style-type: none"><li>• Marker Statistics platform provides a convenient method for exploring several properties of all the biallelic markers in a data set, for the purpose of quality control (QC) and possibly selecting markers to be removed from the analysis.</li><li>• Marker Simulation platform is used to evaluate potential crosses using information from parental genetic markers and predictor formulas for traits of interest to breeders. It generates output of the simulated marker genotypes for all progenies with their respective predicted trait values across generations. It also provides summary statistics for the predicted trait values for each cross across generations.</li></ul> |

## 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.                                                                                                                                                                                                                                                                                                                                                                                       |

## Graph Menu *(Continued)*

| Item             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 profilers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Legacy           | <p>Provides access to graphs that you can now create in Graph Builder.</p> <ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li><li>• 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.</li></ul> |

## Tools Menu

| Item      | Description                                                                                                                                                                                                                                      |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Arrow     | <p>The default tool.</p> <ul style="list-style-type: none"><li>• Enables you to select points in plots and analysis options. Drag the cursor to select multiple points.</li><li>• Rotates the plot in Surface Plot and Scatterplot 3D.</li></ul> |
| Help      | Opens context-sensitive Help when you click the help tool in any part of a display or report.                                                                                                                                                    |
| Selection | Enables you to 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.                                                                            |

## Tools Menu *(Continued)*

| Item                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grabber                         | <ul style="list-style-type: none"><li>• Changes axis scaling when you hover with grabber and click over an axis. Hand changes orientation to indicate direction of change.</li><li>• Changes both axes simultaneously when you click and drag within a plot.</li><li>• In histograms, changes the number of bars or shifts the boundaries of the bars on the axis when you click and drag.</li><li>• In any report table, rearranges columns.</li><li>• 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 enables you to rotate the plot.</li></ul> |
| Brush                           | Enables you to select one or more points when you brush over them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Lasso                           | Enables you to circle points with a curve. Press Shift or Ctrl and circle more points to extend a selection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Magnifier                       | Enables you to 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Ruler                           | Enables you to drag a ruler on a graph to measure distances.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Annotate                        | Enables you to add editable text notes to JMP reports and journals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Line, Polygon, and Simple Shape | Enables you to draw lines, polygons, and shapes on JMP reports and journals. Right-click a line or shape for a menu of options.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

The Project menu appears only when a project is open.

## Project Menu

| Item              | Description                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Undo Layout       | Enables you to undo actions performed on the tabs.                                                                                               |
| Redo Layout       | Enables you to reverse actions performed on the tabs.                                                                                            |
| Reset Layout      | Returns all open reports and data tables to a tabbed view.                                                                                       |
| Show Workspace    | Opens or closes the Workspace pane in the project window. This pane shows tables, reports, and scripts that are open in the project.             |
| Show Bookmarks    | Opens or closes the Bookmarks pane in the project window. This pane shows shortcuts to frequently used files and folders, organized into groups. |
| Show Contents     | Opens or closes the Contents pane in the project window. This pane enables you to view, open, and modify files in the project contents.          |
| Show Recent Files | List of recently used files, the same files shown on the Home Window.                                                                            |
| Show Log          | Opens or closes the Log in the project window.                                                                                                   |
| Project Settings  | Enables you to write a script to automate tasks when the project is opened.                                                                      |

## View Menu

| Item                 | Description                                                                                                                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Associated Data      | Brings the data table for the open report to the front. Available only when the current report window is connected to a data table.                                                                                       |
| 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. Shows open JMP windows in an outline view (the same list that appears when you select View > Window List). Also enables you to pin frequently used files. |
| 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.                                                                                                                           |
| Recall Last Platform | Opens the platform launch window that was last opened.                                                                                                                                                                    |
| 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 at the bottom of the data table window. Available only in data tables when a report window is open.                                                                    |
| Home Window Panes    | Enables you to choose which panes to display on the Home Window. Also enables you to revert your changes to the JMP defaults. Available only from the Home Window.                                                        |
| Toolbars             | Enables you to add, remove, or revert to the original toolbars.                                                                                                                                                           |
| Running Queries      | Enables you to view ODBC queries that are running against an SQL database.                                                                                                                                                |
| Add-Ins...           | Lists the add-ins that you installed in JMP.                                                                                                                                                                              |
| Customize            | Enables you to 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 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...      | Enables you to 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               | Enables you to 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                  | Enables you to select the hidden windows that you want to view or unhide all hidden windows.                                                                                                                                                                                                                        |

## Help Menu

| Item                      | Description                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| JMP Help                  | Opens the latest JMP Help in a web browser.                                                                                     |
| Search JMP                | Search JMP to find statistical tests and other capabilities.                                                                    |
| JMP Documentation Library | Opens a single, searchable PDF file that contains all JMP books.                                                                |
| Discovering JMP           | Opens a PDF file that will help you get started with JMP.                                                                       |
| New Features              | Opens a PDF file where you can learn about the latest features in JMP.                                                          |
| Quick Reference Card      | Opens a PDF file that contains keyboard shortcuts to help you work faster.                                                      |
| Menu Card                 | Opens a PDF file that contains descriptions of JMP menu options.                                                                |
| Sample Data Folder        | Opens a list of JMP sample data to learn about JMP analyses. Open a sample data file and run a script to see a sample analysis. |

## Help Menu *(Continued)*

| Item             | Description                                                                                                                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JMP on the Web   | Opens the JMP website, JMP New User Welcome Kit, JMP User Community, Statistical Thinking Course, and Statistics Knowledge Portal.                                                                                                                                                   |
| Tutorials        | Opens a set of JMP tutorials to learn about statistical techniques.                                                                                                                                                                                                                  |
| Tip of the Day   | Opens the Tip of the Day window, which provides tips and tricks for using JMP effectively.                                                                                                                                                                                           |
| Statistics Index | Defines statistical terms, opens online Help, launches analysis platforms, and enables you to run scripts that illustrate the terms.                                                                                                                                                 |
| 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 Index     | Opens the Sample Index window, which provides links to sample files. Many sample data tables 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    | Enables you to select a new license file to renew your JMP license. Available only in annual license copies during the grace period and before the license expires.                                                                                                                  |
| About JMP        | Shows the product version, registration, user and system information, the JMP web page link, and more.                                                                                                                                                                               |

The Format menu appears only when an application or dashboard is open.

## Format Menu

| Item             | Description                                                                              |
|------------------|------------------------------------------------------------------------------------------|
| Add Module       | Creates a new empty module.                                                              |
| Delete Module    | Removes the currently displayed module from the application or dashboard.                |
| 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.                                          |