

Comparison Between JMP® and JMP® 6 Student Edition

JMP Student Edition is an easy-to-use streamlined version of JMP software bundled with textbooks. It is distributed by SAS and select publishers to faculty and students only. JMP Student Edition provides all the statistics and graphics covered in introductory and intermediate courses. This chart compares the capabilities offered in the full version of JMP with those provided in JMP 6 Student Edition.

Technical Support & Documentation	JMP	JMP 6 Student Edition
Free technical support	Provided by SAS	Provided by publisher
User's Guide, Statistics & Graphics Guide, Design of Experiments, & Scripting Guide	✓	
Using JMP Student Edition – User's Guide		✓
Ease of Use	JMP	JMP 6 Student Edition
Spreadsheet view of data	✓	✓
User friendly, point and click	✓	✓
Integrated manuals and context-specific help	✓	✓
Statistical interpreter	✓	✓
System	JMP	JMP 6 Student Edition
Windows, Macintosh, Linux	✓	✓
SAS integration	✓	
Data and File Management	JMP	JMP 6 Student Edition
Import/export: Excel, text, html, SAS	✓	✓
ODBC querying	✓	No ODBC (SQL), but can use ODBC flat file
Matrix algebra	✓	✓
Data manipulation: concatenate, join, subset, sort, transpose, change data type	✓	No concatenate, join, or transpose
Data table size limitation		✓ Create 1,000 rows by 100 columns; unlimited for native JMP files
Crosstabs/pivot tables	✓	✓
Missing data pattern	✓	
Presentation Features	JMP	JMP 6 Student Edition
Layout menu item	✓	
Journal edit menu item	✓	
Drawing tools	✓	✓
System Features	JMP	JMP 6 Student Edition
OLE automation	✓	

Scripting language	✓	✓
Graphics	JMP	JMP 6 Student Edition
Pie, bar and line charts	✓	✓
Scatter plots, box plots, histograms, time series plots, 3D spinning plots, contour plots, normal quantile plots	✓	No contour plots
Special-purpose graphs such as Ternary, and Variability charts, N-dimensional outlier detection, leverage, and interaction plots	✓	No ternary, variability, or Interaction plots
Bayes plot, pareto plot, cube plot	✓	Pareto plot is separate platform
Contour profiler, profiler	✓	Not as separate platform
Save as JPEG, PNG	✓	✓
Distribution fitting	✓	✓ Only normal, log normal, and Weibull distributions
ROC Curves	✓	
Diagram, Ishikawa, cause & effect	✓	
Tree map, cell plot, parallel plot	✓	
Basic Statistics	JMP	JMP 6 Student Edition
Descriptive statistics	✓	✓
Confidence intervals, one- and two-sample t-tests, paired t-tests	✓	✓
Correlation and covariance	✓	✓
Normality test, equal variance test	✓	✓
Regression Analysis	JMP	JMP 6 Student Edition
Linear regression	✓	✓
Nonlinear regression	✓	
Polynomial regression	✓	✓
Logistic regression	✓	✓
Multiple regression	✓	✓
Response surface regression	✓	✓
Orthogonal (error in measurement) regression	✓	
Match paired data	✓	✓
Stepwise regression	✓	✓
Residual plots	✓	✓
Fit Model	JMP	JMP 6 Student Edition
Spline model	✓	
Random effect models	✓	✓
Mixed models	✓	✓

Repeated measures analysis	✓	✓
LogVariance	✓	
Generalized linear model	✓	
Simulation	✓	
Scaled estimates	✓	
Box Cox Y transformation	✓	
Durbin-Watson statistic	✓	✓
Press statistic	✓	
Save Cook's D	✓	
Save hats	✓	
Save std err prediction formula	✓	
Inverse prediction	✓	
Parameter power	✓	
Bivariate normal density estimation	✓	
Nonparametric density estimation	✓	
Analysis of Variance	JMP	JMP 6 Student Edition
ANOVA and ANCOVA	✓	✓
General linear model (GLM)	✓	✓
Unbalanced nested designs	✓	✓
MANOVA and MANCOVA	✓	
Fully nested designs	✓	✓
Analysis of means	✓	✓
Multiple comparisons	✓	✓
Residual, main effects, and interaction plots	✓	No interaction plots
Power calculation	✓	No one-way power
Statistical Process Control	JMP	JMP 6 Student Edition
Shewhart charts (continuous & attribute)	✓	✓
Pareto charts	✓	✓
Capability analysis	✓	
Control charts: XBar, R, S, XBar-R, XBar-S, EWMA, CUSUM, c, u, IR, P, NP, UWMA	✓	✓ No EWMA or UWMA
Custom tests for special causes	✓	
Box-Cox transformation	✓	
Gage R & R analysis	✓	
Variability charts	✓	

OC curves	✓	
Design of Experiments	JMP	JMP 6 Student Edition
Custom design	✓	
Screening design	✓	✓
Response surface design	✓	✓
Full factorial design	✓	✓
Taguchi arrays	✓	
Mixture design	✓	
Space filling designs	✓	
Split plot designs	✓	
Nonlinear designs	✓	
Simulation	✓	
Augmented design	✓	
Sample size and power	✓	✓
Plots: residual, main effects, interaction, cube, and contour	✓	
Survival Analysis	JMP	JMP 6 Student Edition
Kaplan-Meier survival plots and life tables	✓	✓
Recurrence analysis	✓	
Proportional hazard model fitting	✓	
Plots: distribution, probability, hazard, and survival	✓	
Multivariate Analysis	JMP	JMP 6 Student Edition
Principal component analysis	✓	
Discriminant analysis	✓	
Cluster analysis, and dendograms	✓	
Factor analysis	✓	
Correlations	✓	✓
PLS – Partial Least Squares	✓	
Exploratory Data Mining	JMP	JMP 6 Student Edition
Recursive partitioning	✓	
Neural networks	✓	
Time Series and Forecasting	JMP	JMP 6 Student Edition
Time series plots	✓	✓
Auto-, partial auto-, and cross correlations	✓	
ARIMA analysis, seasonal ARIMA	✓	✓

Smoothing model	✓	✓
Winter's methods	✓	✓
Spectral analysis	✓	
Nonparametric Tests	JMP	JMP 6 Student Edition
Wilcoxon test	✓	✓
Median test	✓	✓
Van Der Waerden test	✓	✓
Kruskal-Wallis test	✓	✓
Reporting Tables	JMP	JMP 6 Student Edition
Correspondence analysis	✓	
Contingency tables	✓	✓
Cochran Mantel Haenszel	✓	

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