

MINITAB® Feature Comparison Chart

Student Version, Release 12, Release 13, and Release 14

Use the chart below to compare features across MINITAB 14 Professional for Windows, MINITAB 13 Professional for Windows, MINITAB 12 Professional for Windows, and MINITAB Student Version for Windows. MINITAB Student Version is based on MINITAB 12.

		MINITAB Student	MINITAB 12	MINITAB 13	MINITAB 14
Technical Support					
	Free technical Support	registered instructors	all registered users (including students)		
Worksheet Size					
	Number of worksheets	5	Limited only by system resources		
	Number of cells per worksheet	5000			
	Number of columns	1000	1000	4000	4000
Ease of Use					
	Customizable menus and toolbars				X
	Project Manager: logically organizes analysis			X	X
P	StatGuide™: explains output			X	X
P	ReportPad™: report generator			X	X
	Online tutorials	Download from Web		X	X
	Smart Dialog Boxes™: remember recent settings	X	X	X	X
A	Clear, comprehensive Help system	X	X	X	X
	Extensive preferences and user-editable profiles				X
Data and File Management					
	Save output and data as HTML				X
	Import/export: Excel, text, and other formats	X	X	X	X
	Import Microsoft Excel workbook sheets individually				X
	Import currency formats				X
	ODBC querying		X	X	X
	Autofill			X	X
	Hide and unhide columns			X	X

A	Data manipulation: merge, subset, sort, transpose, change data type	X	X	X	X
	Find and replace in Data window			X	X
	Matrix functions		X	X	X
	Double-precision worksheets	X	X	X	X
A	Numerous sample data sets	X	X	X	X
Graphics					
	New state-of-the-art graphics engine				X
	Simplified, pictorial graphics dialog boxes				X
	Editing of graph attributes	X	X	X	X
	Interactively edit attributes (axes, scale, etc.) and recreate custom graphs with new data				X
	Intuitive tool to place multiple graphs on one page				X
	Display data from different variables or By groups in panels on the same page				X
	Information display tools: tooltips, crosshairs, plant flags				X
	Set your own preferences for graph attribute defaults				X
	Graphs can update as data change				X
A	Built-in graphs: a variety of displays available with a single click	X	X	X	X
	Scatterplots, boxplots, dotplots, histograms, charts, time series plots	X	X	X	X
	3D graphs		X	X	X
	Rotating 3D graphs				X
A	Probability plots	X	X	X	X
P	Contour plots		X	X	X
	Matrix plots, pie charts	X	X	X	X
	Interval plots, individual value plots, area graphs, ECDF plots				X
	Numerous special-purpose graphs	X	X	X	X

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	OLE: edit MINITAB graphs in other applications	X	X	X	X
	Graph brushing	X	X	X	X
	Save as TIFF, JPEG, PNG, BMP	X	X	X	X
Macros and Command Language					
	Complete command language	X	X	X	X
	Powerful macro capability for automating tasks or creating new capabilities		X	X	X
Basic Statistics					
A	Descriptive statistics	X	X	X	X
A	Confidence intervals, one- and two-sample t-tests, paired t-tests	X	X	X	X
	Estimation and tests for one and two proportion problems	X	X	X	X
	Correlation and covariance	X	X	X	X
	Normality test	X	X	X	X
A	Test for equal variances	X	X	X	X
	Generate basic statistics from summary data				X
Regression Analysis					
	Linear regression	X	X	X	X
	Polynomial regression	X	X	X	X
	Logistic regression		X	X	X
	Partial least squares (PLS)				X
A	Stepwise and best subsets	X	X	X	X
A	Residual plots	X	X	X	X
Analysis of Variance					
	ANOVA	X	X	X	X
	General linear model (GLM)		X	X	X
	Unbalanced nested designs		X	X	X
	MANOVA		X	X	X
	Fully nested designs		X	X	X
	Analysis of means		X	X	X

	Multiple comparisons	X	X	X	X
A	Residual, main effects, and interaction plots	X	X	X	X
Statistical Process Control					
	Run chart	X	X	X	X
	Pareto chart	X	X	X	X
A	Fishbone diagram	X	X	X	X
	Control charts: XBar, R, S, XBar-R, XBar-S, I, MR, I-MR, MA, EWMA, p, np, c, u	X	X	X	X
	I-MR-R/S, CUSUM, zone, short run		X	X	X
	Multivariate control charts: T2, generalized variance, MEWMA				X
	Custom tests for special causes		X	X	X
	Individual distribution identification				X
	Box-Cox transformation		X	X	X
	Johnson transformation				X
	Historical/shift-in-process charts		X	X	X
P	Process capability: normal, non-normal, attribute and batch		X	X	X
	Process capability for multiple variables				X
	Process Capability Sixpack™		X	X	X
	Shainin Multi-Vari charts		X	X	X
	Symmetry plot		X	X	X
Measurement Systems Analysis					
	Gage R&R: ANOVA and XBar-R methods		X	X	X
	Nested Gage R&R		X	X	X
	Attribute Gage Study – AIAG long method				X
	Attribute agreement analysis			X	X
	Gage linearity and bias		X	X	X
	Gage run chart		X	X	X
Design of Experiments					
	Two-level factorial designs		X	X	X

	General full factorial designs		X	X	X
	Plackett-Burman designs		X	X	X
	Response surface designs		X	X	X
P	Mixture designs		X	X	X
	D-optimal and distance-based designs			X	X
	Taguchi designs			X	X
	User-specified designs		X	X	X
	Analysis of variability for factorial designs				X
	Response prediction				X
	Botched runs		X	X	X
P	Mixture plots		X	X	X
P	Overlaid contour plot		X	X	X
P	Plots: residual, main effects, interaction, cube, contour, surface and wireframe		X	X	X
P	Response optimization		X	X	X
Reliability/Survival Analysis					
P	Parametric and nonparametric distribution analysis		X	X	X
	Goodness-of-fit measures			X	X
P	ML and least squares estimates		X	X	X
	Exact failure, right-, left-, and interval-censored data		X	X	X
P	Accelerated life testing		X	X	X
	Regression with life data		X	X	X
	Reliability test plans				X
	Threshold parameter distributions				X
	Analysis of repairable systems				X
	Analysis of multiple failure modes				X
	Probit analysis		X	X	X
	Weibayes analysis			X	X
	Hypothesis tests on distribution parameters			X	X
	Plots: distribution, probability, hazard, and survival		X	X	X

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	Confidence intervals			X	X
Power and Sample Size					
	One-sample Z, t, and proportion	X	X	X	X
	Two-sample t and proportion	X	X	X	X
	One-way ANOVA, two-level factorial and Plackett-Burman	X	X	X	X
	Solve for number of center points			X	X
	Provide any two of: power, difference, and sample size; MINITAB will solve for the third			X	X
Multivariate Analysis					
	Principal component analysis		X	X	X
	Discriminant analysis		X	X	X
	Cluster analysis		X	X	X
	Factor analysis		X	X	X
	Correspondence analysis		X	X	X
Time Series and Forecasting					
	Time series plots	X	X	X	X
	Auto-, partial auto-, and cross correlations	X	X	X	X
	ARIMA analysis	X	X	X	X
	Trend analysis	X	X	X	X
	Decomposition	X	X	X	X
	Exponential smoothing	X	X	X	X
	Winters' method	X	X	X	X
	Moving average	X	X	X	X
Nonparametrics					
	Sign test	X	X	X	X
	Wilcoxon test	X	X	X	X
	Mann-Whitney test	X	X	X	X
	Kruskal-Wallis test	X	X	X	X
	Friedman test	X	X	X	X

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	Runs test	X	X	X	X
	Mood's median test	X	X	X	X
Tables					
A	Cross-tabulations	X	X	X	X
	Contingency tables	X	X	X	X
	Chi-square test	X	X	X	X
	Tally	X	X	X	X
	Fisher's exact test for 2X2 tables				X
Simulation and Distributions					
A	Random number generator	X	X	X	X
A	Density, distribution, and inverse cumulative distribution functions	X	X	X	X
A	Random sampling	X	X	X	X

- A General capability exists in all versions, but MINITAB 14 has enhancements unavailable in the other releases.
P General capability exists in professional versions, but MINITAB 14 has enhancements unavailable in earlier releases.

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