Minitab Capabilities and Release Comparison Chart
Minitab 15, 14, Student 14, and 13

Technical Support

Minitab Version	15	14	Student 14	13
Free technical support for eligible products	All registered users (including students)	All registered users (including students)	Registered instructors	Not eligible

Worksheet Size

Minitab Version	15	14	Student 14	13
Number of worksheets	Limited only by system resources	Limited only by system resources	5	Limited only by system resources
Number of cells per worksheet			10,000	
Number of columns	4,000	4,000	4,000	4,000

Ease of Use

Minitab Version	15	14	Student 14	13	
Menus and commands organized logically, matching texts and training materials	✓	✓	✓	✓	
Project Manager: logically organizes analysis	✓	✓	✓	✓	
ReportPad™: report generator	✓	✓	✓	✓	∗
Clear, comprehensive Help system	✓	✓	✓	✓	∗
StatGuide™: explains output	✓	✓	✓	✓	∗
Online tutorials	✓	✓	✓	✓	
Glossary of statistical terms	✓	✓	✓	✓	∗
Reference of methods and formulas used in calculations	✓	✓	✓		∗
Smart dialog boxes™ remember recent settings	✓	✓	✓	✓	
More than 300 real-world practice data sets	✓	✓	✓	✓	∗
Desktop access to maintenance updates	✓				
Multiple language versions	✓	✓		✓	∗

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Data and File Management					
Minitab Version	**15**	**14**	**Student 14**	**13**	
Project files include all parts of analysis	✓	✓	✓	✓	
Spreadsheet-like Data window	✓	✓	✓	✓	
Easy copy / paste with Microsoft Excel	✓	✓	✓	✓	✱
Assign formulas to columns	✓				
Multiple undo/redo in the Data window	✓				
Autofill	✓	✓	✓	✓	
Hide and unhide columns	✓	✓	✓	✓	
Find and replace in Data window	✓	✓	✓	✓	
Import/export: Excel, text, etc.	✓	✓	✓	✓	
Import/export: CSV, XML Spreadsheet	✓				
Import Microsoft Excel workbook sheets individually	✓	✓	✓		
Save output and data as HTML	✓	✓	✓		
ODBC querying to import data from Access and other databases	✓	✓		✓	
Currency and percent formats	✓				
Data manipulation: merge, subset, sort, transpose, change data type	✓	✓	✓	✓	
Matrix functions	✓	✓	✓	✓	
File password protection	✓				
Calculator with more than 100 functions for manipulations, calculations, and transformations of numeric, date/time, and text data	✓	✓	✓	✓	✱
Time functions: workdays, net workdays, elapsed time	✓				
Text functions: left, right, mid, extract text, etc.	✓				
Calculate percentiles	✓				
IF conditions	✓				
Combinations, permutations, and factorials	✓				
Create indicator variables	✓	✓	✓	✓	✱
Double-precision worksheets	✓	✓	✓	✓	

Graphics

Minitab Version	15	14	Student 14	13	
State-of-the-art graphics engine	✔	✔	✔		
Simplified, pictorial graphics dialog boxes	✔	✔	✔		
Editing of graph attributes	✔	✔	✔	✔	
Interactively edit attributes (axes, scale, etc.) and recreate custom graphs with new data	✔	✔	✔		
Intuitive tool to place multiple graphs on one page	✔	✔	✔		
Information display tools: tooltips, crosshairs, plant flags	✔	✔	✔		
Plant flags on DOE contour plots	✔	✔			
Set your own preferences for graph attribute defaults	✔	✔	✔		
Graphs can update as data changes	✔	✔	✔		
Built-in graphs: a variety of displays available with a single click	✔	✔	✔	✔	
Scatterplots, matrix plots, boxplots, dotplots, histograms, charts, pie charts, time series plots	✔	✔	✔	✔	
Line plots	✔				
Rotating 3D graphs	✔	✔			
Probability plots	✔	✔	✔	✔	
Probability distribution plots	✔				
Contour plots	✔	✔		✔	✱
Interval plots, individual value plots, area graphs, ECDF plots	✔	✔	✔		✱
Numerous special-purpose graphs	✔	✔	✔	✔	
Display currency and percent formats on graphs	✔				
OLE: edit Minitab graphs in other applications	✔	✔	✔	✔	
Graph brushing	✔	✔	✔	✔	
Save as TIF, JPEG, PNG, BMP	✔	✔	✔	✔	
Save as GIF, enhanced metafile	✔	✔	✔		

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Macros and Customizability

Minitab Version	15	14	Student 14	13
Customizable menus and toolbars	✓	✓	✓	
Extensive preferences and user-editable profiles	✓	✓	✓	
Complete command language	✓	✓	✓	✓
Powerful macro capability for automating tasks or creating new capabilities	✓	✓		✓
Minitab Automation (COM-enabled)	✓			
MyMenu - add specialized functionality	✓			

Basic Statistics

Minitab Version	15	14	Student 14	13	
Descriptive statistics	✓	✓	✓	✓	✱
Confidence intervals, one- and two-sample t-tests, paired t-tests	✓	✓	✓	✓	
Confidence intervals, one and two proportion tests	✓	✓	✓	✓	
Correlation and covariance	✓	✓	✓	✓	
Normality test	✓	✓	✓	✓	
One-sample variance test	✓				
Test for equal variances	✓	✓	✓	✓	
Confidence intervals, one- and two- sample Poisson rates	✓				
Goodness-of-fit test for Poisson	✓	✓			
Hypothesis testing using summary statistics	✓	✓	✓		

Regression Analysis

Minitab Version	15	14	Student 14	13
Linear regression	✓	✓	✓	✓
Polynomial regression	✓	✓	✓	✓
Logistic regression	✓	✓	(only binary logistic regression)	✓
Partial least squares (PLS)	✓	✓		
Stepwise and best subsets	✓	✓	✓	✓
Residual plots	✓	✓	✓	✓

Analysis of Variance

Minitab Version	15	14	Student 14	13	
ANOVA	✓	✓	✓	✓	
General linear model (GLM)	✓	✓		✓	
Unbalanced nested designs	✓	✓		✓	
MANOVA	✓	✓		✓	
Fully nested designs	✓	✓		✓	
Analysis of means	✓	✓		✓	
Multiple comparisons	✓	✓	✓	✓	
Residual, main effects, and interaction plots	✓	✓	✓	✓	

Statistical Process Control (SPC)

Minitab Version	15	14	Student 14	13	
Run chart	✓	✓	✓	✓	
Pareto chart	✓	✓	✓	✓	
Cause-and-effect diagram	✓	✓	✓	✓	
Control charts: XBar, R, S, XBar-R, XBar-S, I, MR, I MR, MA, EWMA, P, NP, C, U	✓	✓	✓	✓	∗
Control charts: I-MR-R/S, CUSUM, zone	✓	✓		✓	∗
Multivariate control charts: T2, generalized variance, MEWMA	✓	✓		✓	∗
Custom tests for special causes	✓	✓	✓	✓	
Individual distribution identification	✓	✓			∗
Box-Cox transformation	✓	✓		✓	
Johnson transformation	✓	✓			∗
Historical/shift-in-process charts	✓	✓	✓	✓	
Display control limit values for all stages	✓				
Process capability: normal, nonnormal, attribute and batch	✓	✓		✓	∗
Process capability for multiple variables	✓	✓			∗
Process Capability Sixpack™	✓	✓		✓	∗
Acceptance sampling for variables and attributes	✓				
Multi-Vari chart	✓	✓		✓	
Symmetry plot	✓	✓		✓	

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∗ **Enhanced in Minitab 15**
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Measurement Systems Analysis

Minitab Version	15	14	Student 14	13	
Gage R&R worksheet design generator	✓				
Gage R&R: ANOVA and XBar R methods	✓	✓		✓	∗
Nested Gage R&R	✓	✓		✓	
Misclassification probabilities	✓				
Type I Gage Study (single part)	✓				
Attribute Gage Study - AIAG analytic method	✓	✓			
Attribute agreement analysis	✓	✓		✓	
Gage linearity and bias	✓	✓		✓	
Gage run chart	✓	✓		✓	

Design of Experiments

Minitab Version	15	14	Student 14	13	
Two-level factorial designs	✓	✓		✓	
General full factorial designs	✓	✓		✓	
Plackett-Burman designs	✓	✓		✓	
Response surface designs	✓	✓		✓	∗
Mixture designs	✓	✓		✓	
D-optimal and distance-based designs	✓	✓		✓	∗
Taguchi designs	✓	✓		✓	
User-specified designs	✓	✓		✓	
Optimal designs - reduce number of runs for general factorial designs	✓				
Analysis of variability for factorial designs	✓	✓			
Response prediction	✓	✓			
Analyze designs with botched runs	✓	✓		✓	
Mixture plots	✓	✓		✓	
Plots: residual, main effects, interaction, cube, contour, overlaid contour, surface, and wireframe	✓	✓		✓	∗
Half normal effects plot	✓				
Response optimization	✓	✓		✓	∗

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Reliability/Survival Analysis

Minitab Version	15	14	Student 14	13
Parametric and nonparametric distribution analysis	✓	✓		✓
Goodness-of-fit measures	✓	✓		✓
ML and least squares estimates	✓	✓		✓
Exact failure, right-, left-, and interval-censored data	✓	✓		✓
Accelerated life testing	✓	✓		✓
Regression with life data	✓	✓		✓
Reliability test plans	✓	✓		
Threshold parameter distributions	✓	✓		
Analysis of multiple failure modes	✓	✓		
Pre-process warranty data	✓			
Warranty prediction	✓			
Probit analysis	✓	✓		✓
Weibayes analysis	✓	✓		✓
Hypothesis tests on distribution parameters	✓	✓		✓
Plots: distribution, probability, hazard, and survival	✓	✓		✓
One-sided confidence intervals for reliability test plans	✓			

Power and Sample Size

Minitab Version	15	14	Student 14	13
One-sample Z, t, and proportion	✓	✓	✓	✓
Two-sample t and proportion	✓	✓	✓	✓
One-way ANOVA	✓	✓	✓	✓
Two-level factorial and Plackett-Burman	✓	✓		✓
Power (OC) curves	✓			

Multivariate Analysis

Minitab Version	15	14	Student 14	13
Principal components analysis	✔	✔		✔
Factor analysis	✔	✔		✔
Biplot for principal components and factor analyses	✔			
Cluster analysis	✔	✔		✔
Discriminant analysis	✔	✔		✔
Item analysis - Cronbach's alpha	✔			
Correspondence analysis	✔	✔		✔

Time Series and Forecasting

Minitab Version	15	14	Student 14	13	
Time series plots	✔	✔	✔	✔	
Auto-, partial auto-, and cross correlations	✔	✔	✔	✔	✱
ARIMA analysis	✔	✔	✔	✔	
Trend analysis	✔	✔	✔	✔	
Decomposition	✔	✔	✔	✔	
Exponential smoothing	✔	✔	✔	✔	
Winters' methods	✔	✔	✔	✔	
Moving average	✔	✔	✔	✔	

Nonparametrics

Minitab Version	15	14	Student 14	13
Sign test	✔	✔	✔	✔
Wilcoxon test	✔	✔	✔	✔
Mann-Whitney test	✔	✔	✔	✔
Friedman test	✔	✔	✔	✔
Runs test	✔	✔	✔	✔
Mood's median test	✔	✔	✔	✔

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Tables				
Minitab Version	**15**	**14**	**Student 14**	**13**
Cross-tabulations	✓	✓	✓	✓
Contingency tables	✓	✓	✓	✓
Chi-square test	✓	✓	✓	✓
Tally	✓	✓	✓	✓
Fisher's exact test	✓	✓	✓	
Chi-square goodness-of-fit test — single categorical variable	✓	✓		

Simulation and Distributions					
Minitab Version	**15**	**14**	**Student 14**	**13**	
Random number generator	✓	✓	✓	✓	✽
Density, distribution, and inverse cumulative distribution functions	✓	✓	✓	✓	✽
Random sampling	✓	✓	✓	✓	

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