Migrating from Minitab

Many individuals who are involved in Six Sigma have been through training programs in which the Minitab statistical package was used. In addition, many university students have used Minitab during their course work. This document outlines the simple process by which one can migrate from Minitab to STATGRAPHICS Centurion. The basic steps are:

- **Save all Minitab data files in Excel format (.xls)** so that they can be read into STATGRAPHICS. .xls files can be read into STATGRAPHICS whenever they are needed and even polled at preset time increments. Alternatively, you can load both programs and copy your data from Minitab into STATGRAPHICS using the Windows clipboard.
- **Read the Excel files into STATGRAPHICS**.
- **Consult the menu conversion table** below to determine the menu item in STATGRAPHICS that corresponds to a specific menu item in Minitab.

Saving Minitab Data Files in Excel Format

Minitab allows you to save data in different formats, including:

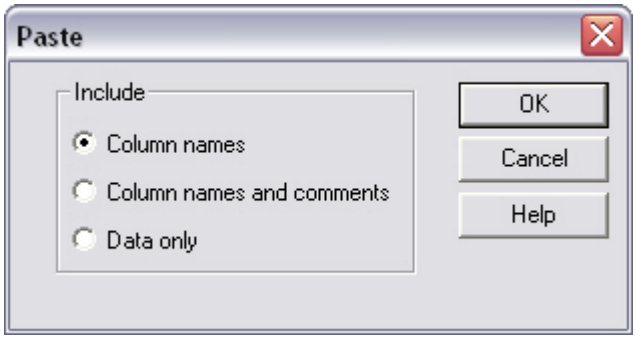
(1) a proprietary format (.mtw) that cannot be read by most other software.

(2) Excel format (.xls) that creates files that can be easily read by many programs, including STATGRAPHICS Centurion.

If you have saved your data in .mtw format, you may do either of the following:

(1) Load each data file into Minitab. Select *Save Current Worksheet As* from the Minitab *File* menu. Set the *Save as type* field on the *Save Worksheet As* dialog box to *Excel 97 - 2000* and save the data. Then follow the instructions below for reading an Excel file into STATGRAPHICS Centurion.

(2) Start both Minitab and STATGRAPHICS Centurion at the same time. Load a data file into Minitab. Click on the upper left corner of the datasheet to select the entire file, including column names. Select *Copy* from the Minitab *Edit* menu to put the data on the Windows clipboard. Go to STATGRAPHICS and click on the upper left corner of any data sheet. Select *Paste* from the STATGRAPHICS *Edit* menu. When a dialog box appears, set it as shown below:



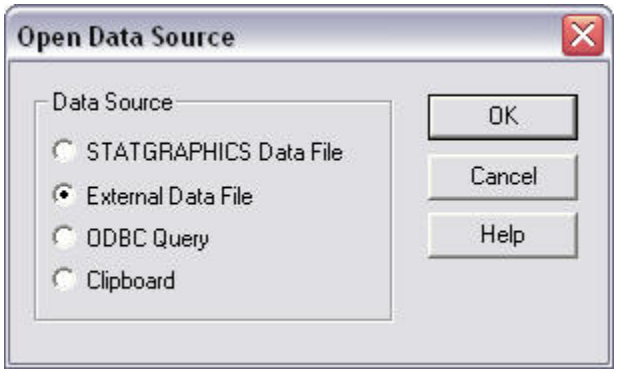
This step is necessary since Minitab datasheets do not contain comments for each column. Press OK to paste the data into the STATGRAPHICS datasheet.

Reading Excel Files into STATGRAPHICS

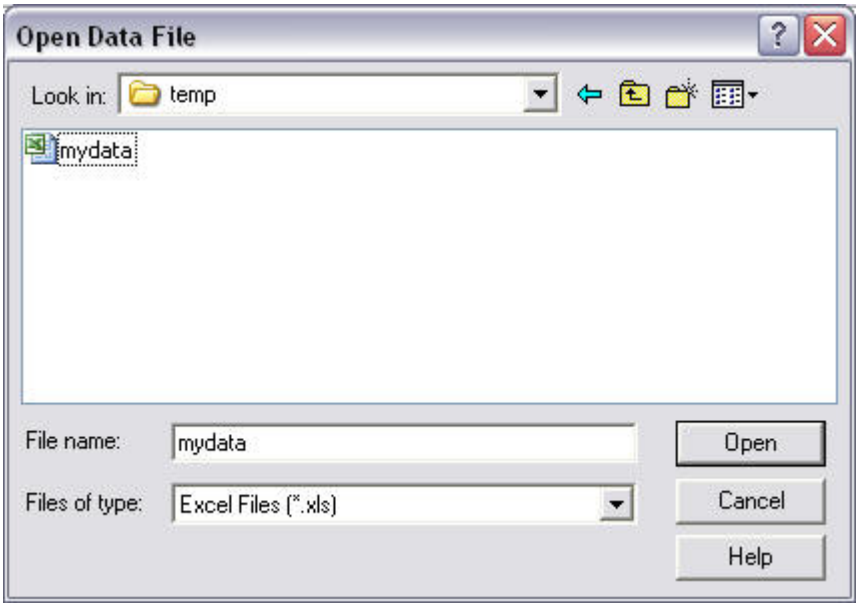
Reading an Excel file (.xls) into STATGRAPHICS Centurion is very simple:

(1) Select *Open Data Source* from the STATGRAPHICS *File* menu.

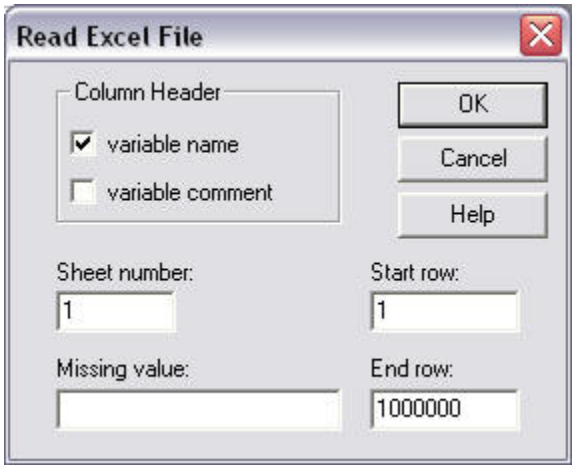
(2) On the first dialog box, indicate that you wish to read an *External Data File*:



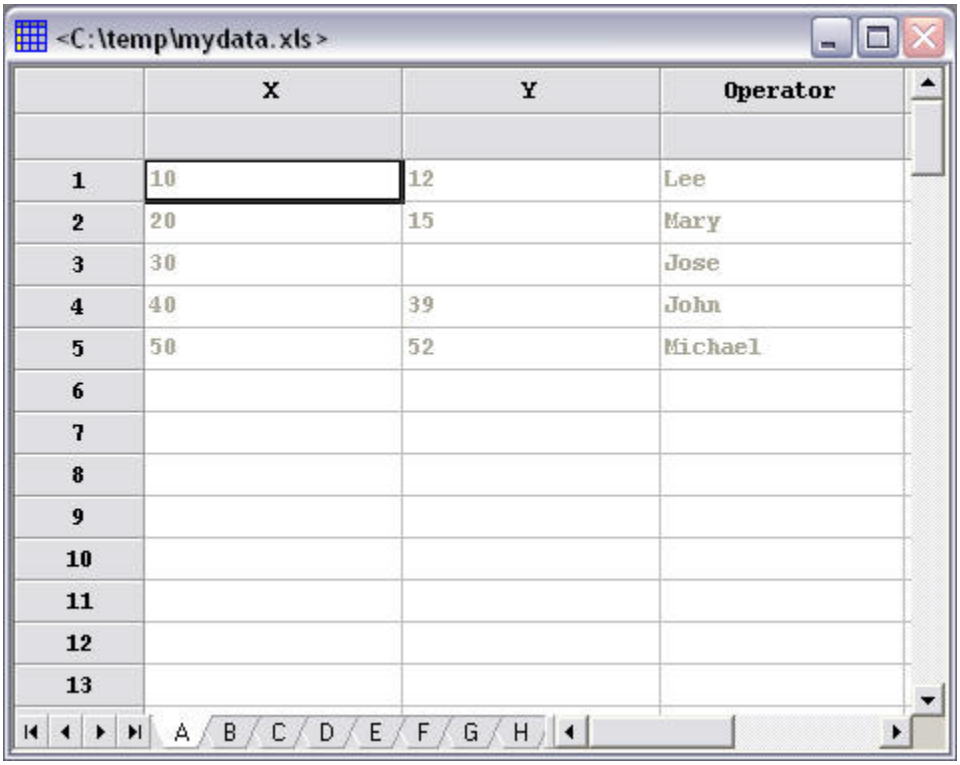
(3) On the second dialog box, set the *Files of type* field to *Excel Files* and select the file that contains your data:



(4) Press the *Open* button. On the final dialog box, set the fields as shown below.



Be sure to set the Column Header to *variable name*, since Minitab data files have column names but no comments. The data will then be placed into the current STATGRAPHICS datasheet:



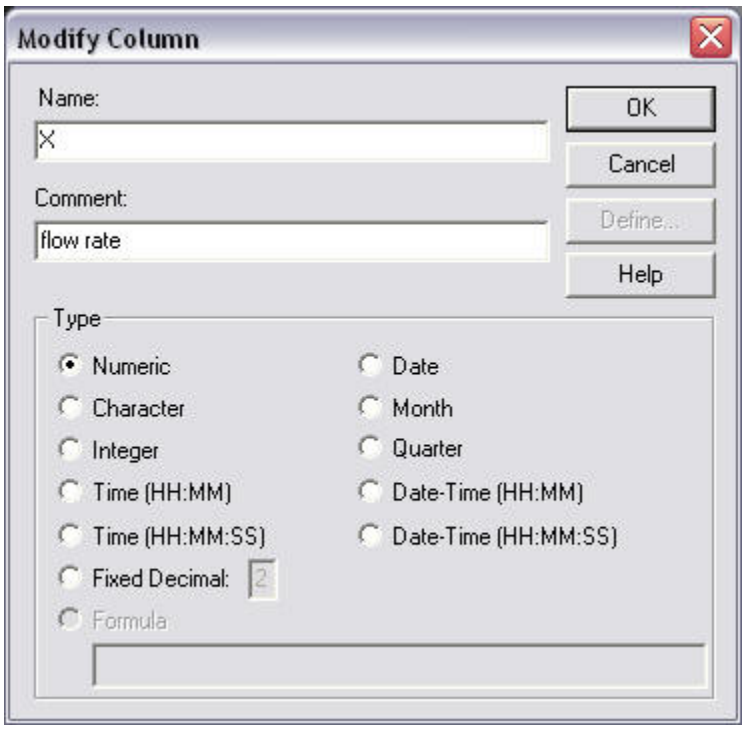
Some items to note:

(a) The STATGRAPHICS DataBook contains 10 tabs. Data from a different source may be placed into the datasheet corresponding to each tab.

(b) The data is initially grayed out, since Excel files when read into STATGRAPHICS are initially set to read-only mode to protect the data from being changed inadvertently. To remove the read-only setting from a datasheet, select *DataBook Properties* from the STATGRAPHICS Centurion *Edit* menu and remove the checkmark from the *Read Only* field for the corresponding datasheet.

(c) Unlike Minitab, STATGRAPHICS shows blank cells for any missing data values. There is no special placeholder.

(d) To add a comment to each column, double-click on the header of a column in the STATGRAPHICS datasheet and add the desired comment to the *Modify Column* dialog box:



You can also change the column name and column type if desired.

Minitab/STATGRAPHICS Menu Conversion Table

The following table will help you locate procedures in STATGRAPHICS Centurion that perform similar analyses to many of the Minitab menu selections. Since STATGRAPHICS Centurion allows you to select either a *Classic* or *Six Sigma* menu, selections for both menus are shown, arranged according to the main headings on the Minitab menu:

Minitab Calc Menu

Minitab Menu Item	***STATGRAPHICS Classic Menu Item***	***STATGRAPHICS Six Sigma Menu Item***
Column Statistics	Describe - Numeric Data - Multiple-Variable Analysis	Analyze - Numeric Data - Multivariate Methods - Multiple-Variable Analysis
Row Statistics	Describe - Numeric Data - Rowwise Statistics	Analyze - Numeric Data - Multiple Sample Comparisons - Rowwise Statistics
Standardize	Generate Data - STANDARDIZE function	Generate Data - STANDARDIZE function
Random Data	Plot - Probability Distributions	Plot - Probability Distributions
Probability Distributions	Plot - Probability Distributions	Plot - Probability Distributions

Minitab Stat Regression Menu

Minitab Menu Item	***STATGRAPHICS Classic Menu Item***	***STATGRAPHICS Six Sigma Menu Item***
Regression	Relate - One Factor - Simple Regression	Improve - Regression Analysis - One Factor - Simple Regression
Stepwise	Relate - Multiple Factors - Multiple Regression	Improve - Regression Analysis -Multiple Factors - Multiple Regression
Best Subsets	Relate - Multiple Factors - Regression Model Selection	Improve - Regression Analysis -Multiple Factors - Regression Model Selection
Fitted Line Plot	SnapStats - Curve Fitting	SnapStats - Curve Fitting
Partial Least Squares	Relate - Multiple Factors - Partial Least Squares	Improve - Regression Analysis -Multiple Factors - Partial Least Squares
Binary Logistic Regression	Relate - Attribute Data - Logistic Regression	Improve - Regression Analysis - Attribute Data - Logistic Regression

Minitab Basic Statistics Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Display Descriptive Statistics	Describe - Numeric Data - Multiple-Variable Analysis	Analyze - Numeric Data - Multivariate Methods - Multiple-Variable Analysis
Store Descriptive Statistics	Describe - Numeric Data - Multiple-Variable Analysis	Analyze - Numeric Data - Multivariate Methods - Multiple-Variable Analysis
Graphical Summary	Describe - Numeric Data - Multiple-Variable Analysis	Analyze - Numeric Data - Multivariate Methods - Multiple-Variable Analysis
1-Sample z	Describe - Numeric Data - Hypothesis Tests	Analyze - Hypothesis Tests - One Sample
1-Sample t	Describe - Numeric Data - One-Variable Analysis	Analyze - Variable Data - One-Variable Analysis
2-Sample t	Compare - Two Samples - Independent Samples	Analyze - Variable Data - Two-Variable Comparisons - Independent Samples
Paired t	Compare - Two Samples - Paired Samples	Analyze - Variable Data - Two-Variable Comparisons - Paired Samples
1 proportion	Describe - Numeric Data - Hypothesis Tests	Analyze - Hypothesis Tests - One Sample
2 proportions	Compare - Two Samples - Hypothesis Tests	Analyze - Hypothesis Tests - Two Samples
2 Variances	Compare - Two Samples - Independent Samples	Analyze - Variable Data - Two-Variable Comparisons - Independent Samples
Correlation	Describe - Numeric Data - Multiple-Variable Analysis	Analyze - Numeric Data - Multivariate Methods - Multiple-Variable Analysis
Covariance	Describe - Numeric Data - Multiple-Variable Analysis	Analyze - Numeric Data - Multivariate Methods - Multiple-Variable Analysis
Normality Test	Describe - Distribution Fitting - Fitting Uncensored Data	Analyze - Variable Data - Distribution Fitting - Fitting Uncensored Data
Goodness-of-Fit Test for Poisson	Describe - Distribution Fitting - Fitting Uncensored Data	Analyze - Variable Data - Distribution Fitting - Fitting Uncensored Data

Minitab Stat ANOVA Menu

Minitab Menu Item	***STATGRAPHICS Classic Menu Item***	***STATGRAPHICS Six Sigma Menu Item***
One-Way	Compare - Analysis of Variance - One-Way ANOVA	Improve - Analysis of Variance - One-Way ANOVA
One-Way (unstacked)	Compare - Analysis of Variance - One-Way ANOVA	Improve - Analysis of Variance - One-Way ANOVA
Two-Way	Compare - Analysis of Variance - Multifactor ANOVA	Improve - Analysis of Variance - Multifactor ANOVA
Analysis of Means	Compare - Analysis of Variance - One-Way ANOVA	Improve - Analysis of Variance - One-Way ANOVA
Balanced ANOVA	Compare - Analysis of Variance - Multifactor ANOVA	Improve - Analysis of Variance - Multifactor ANOVA
General Linear Model	Compare - Analysis of Variance - General Linear Models	Improve - Analysis of Variance - General Linear Models
Fully Nested ANOVA	Compare - Analysis of Variance - Variance Components	Improve - Analysis of Variance - Variance Components
Balanced MANOVA	Compare - Analysis of Variance - General Linear Models	Improve - Analysis of Variance - General Linear Models
General MANOVA	Compare - Analysis of Variance - General Linear Models	Improve - Analysis of Variance - General Linear Models
Test for Equal Variances	Compare - Analysis of Variance - One-Way ANOVA	Improve - Analysis of Variance - One-Way ANOVA
Interval Plot	Compare - Analysis of Variance - One-Way ANOVA	Improve - Analysis of Variance - One-Way ANOVA
Main Effects Plot	DOE -Design Analysis - Analyze Design	Improve - Experimental Design Analysis - Analyze Design
Interaction Plot	Compare - Analysis of Variance - Multifactor ANOVA	Improve - Analysis of Variance - Multifactor ANOVA

Minitab Stat Control Charts Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Box-Cox Transformation	Describe - Numeric Data - Power Transformations	Analyze - Variable Data – Distrib. Fitting - Power Transformations
X-bar R	SPC - Control Charts - Basic Variables Charts - X-bar and R	Control - Variables Control Charts - Basic Control Charts - X-bar and R
X-bar S	SPC - Control Charts - Basic Variables Charts - X-bar and S	Control - Variables Control Charts - Basic Control Charts - X-bar and S
I-MR-R/S	SPC - Control Charts - Basic Variables Charts - Median and Range	Control - Variables Control Charts - Basic Control Charts - Median and Range
I-MR	SPC - Control Charts - Basic Variables Charts - Individuals	Control - Variables Control Charts - Basic Control Charts - Individuals
Z-MR	SPC - Control Charts - Basic Variables Charts - Individuals	Control - Variables Control Charts - Basic Control Charts - Individuals
Zone	Analysis option in most control chart procedures.	Analysis option in most control chart procedures.
P	SPC - Control Charts - Basic Attributes Charts - p-Chart	Control - Attributes Control Charts - p-Chart
NP	SPC - Control Charts - Basic Attributes Charts - np-Chart	Control - Attributes Control Charts - np-Chart
C	SPC - Control Charts - Basic Attributes Charts - c-Chart	Control - Attributes Control Charts - c-Chart
U	SPC - Control Charts - Basic Attributes Charts - u-Chart	Control - Attributes Control Charts - u-Chart
Moving Average	SPC - Control Charts - Time-Weighted Control Charts - Moving Average Chart	Control - Variables Control Charts - Time-Weighted Control Charts - Moving Average Chart
EWMA	SPC - Control Charts - Time-Weighted Control Charts - EWMA Chart	Control - Variables Control Charts - Time-Weighted Control Charts - EWMA Chart
CUSUM	SPC - Control Charts - Time-Weighted Control Charts - CuSum Chart	Control - Variables Control Charts - Time-Weighted Control Charts - CuSum Chart
Tsquared-Generalized Variance	SPC - Control Charts - Multivariate Control Charts - T-Squared Chart	Control - Variables Control Charts - Multivariate Control Charts - T-Squared Chart
Multivariate EWMA	SPC - Control Charts - Multivariate Control Charts - Multivariate EWMA Chart	Control - Variables Control Charts - Multivariate Control Charts - Multivariate EWMA Chart

Minitab Stat Quality Tools Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Run Chart	Plot - Time Sequence Plots - Run Charts	Measure - Time Sequence Plots - Run Charts
Pareto Chart	SPC - Quality Assessment - Pareto Analysis	Analyze - Attribute Data - One Factor - Pareto Analysis
Cause-and-Effect	SPC - Quality Assessment - Cause-and-Effect Diagram	Define - Cause-and-Effect Diagram
Individual Distribution Identification	Describe - Distribution Fitting - Fitting Uncensored Data	Analyze - Variable Data - Distribution Fitting - Fitting Uncensored Data
Capability Analysis - Normal	SPC - Capability Analysis - Variables (Individuals or Grouped data)	Analyze - Variable Data - Capability Analysis - Individuals or Grouped Data
Capability Analysis - Between-Within	SPC - Capability Analysis - Variables - Individuals or Grouped Data	Analyze - Variable Data - Capability Analysis - Individuals or Grouped Data
Capability Analysis - Non-Normal	SPC - Capability Analysis - Variables (Individuals or Grouped data)	Analyze - Variable Data - Capability Analysis - Individuals or Grouped Data
Capability Analysis - Binomial	SPC - Capability Analysis - Attributes - Percent Defective	Analyze - Attribute Data - Capability Analysis - Percent Defective
Capability Analysis - Poisson	SPC - Capability Analysis - Attributes - Defects per Unit	Analyze - Attribute Data - Capability Analysis - Defects per Un it
Capability Sixpack - Normal	SnapStats - Capability Assessment	SnapStats - Capability Assessment
Capability Sixpack - Between-Within	SnapStats - Capability Assessment	SnapStats - Capability Assessment
Capability Sixpack - Non-Normal	SnapStats - Capability Assessment	SnapStats - Capability Assessment
Gage Run Chart	SPC - Gage Studies - Variable Data - any procedure	Measure - Gage Studies - Variable Data - any procedure
Gage Linearity and Bias	SPC - Gage Studies - Variable Data - Gage Linearity and Accuracy	Measure - Gage Studies - Variable Data - Gage Linearity and Accuracy
Gage R&R Study (Crossed)	SPC - Gage Studies - Variable Data - Average and Range Method or ANOVA Method	Measure - Gage Studies - Variable Data - Average and Range Method or ANOVA Method
Gage R&R Study (Nested)	SPC - Gage Studies - Variable Data - ANOVA Method	Measure - Gage Studies - Variable Data - ANOVA Method
Attribute Gage Study (Analytic Method)	SPC - Gage Studies - Attribute Data - Analytic Method	Measure - Gage Studies - Attribute Data - Analytic Method
Attribute Agreement Analysis	SPC - Gage Studies - Attribute Data - Risk Analysis Method	Measure - Gage Studies - Attribute Data - Risk Analysis Method
Multi-Vari Chart	SPC - Quality Assessment - Multi-Vari Chart	Improve - Analysis of Variance - Multi-Vari Chart
Symmetry Plot	Describe - Numeric Data - One-Variable Analysis	Analyze - Variable Data - One-Variable Analysis

Minitab Stat DOE Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Create Design (Factorial, Response Surface, Mixture, Taguchi)	DOE - Design Creation - Create New Design	Improve - Experimental Design Creation - Create New Design
Analyze Design	DOE - Design Analysis - Analyze Design	Improve - Experimental Design Analysis- Analyze Design
Factorial Plots	DOE - Design Analysis - Analyze Design	Improve - Experimental Design Analysis- Analyze Design
Contour/Surface Plots	DOE - Design Analysis - Analyze Design	Improve - Experimental Design Analysis- Analyze Design
Overlaid Contour Plots	DOE - Design Analysis - Multiple Response Optimization	Improve - Experimental Design Analysis- Multiple Response Optimization
Select Optimal Design	DOE - Design Creation - Optimize Design	Improve - Experimental Design Creation - Optimize Design
Response Trace Plot	DOE - Design Analysis - Analyze Design	Improve - Experimental Design Analysis- Analyze Design

Minitab Stat Reliability/Survival Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Distribution Analysis	Describe – Distribution Fitting – Fitting Censored Data	Analyze – Variable Data – Distrib. Fitting – Fitting Censored Data
Regression with Life Data	Relate – Life Data – Parametric Models	Improve – Regression Analysis – Life Data – Parametric Models
Probit Analysis	Relate – Attribute Data – Probit Analysis	Improve – Regression Analysis – Attribute Data – Probit Analysis
Accelerated Life Testing	Describe – Life Data – Arrhenius Plots	Analyze – Reliability Analysis – Arrhenius Plots

Minitab Stat Multivariate Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Principal Components	Describe – Multivariate Methods – Principal Components	Analysis – Variable Data – Multivariate Methods – Principal Components
Factor Analysis	Describe – Multivariate Methods – Factor Analysis	Analysis – Variable Data – Multivariate Methods – Factor Analysis
Cluster Observations	Describe – Multivariate Methods – Cluster Analysis	Control – Classification Methods – Cluster Analysis
Cluster Variables	Describe – Multivariate Methods – Cluster Analysis	Control – Classification Methods – Cluster Analysis
Cluster k-Means	Describe – Multivariate Methods – Cluster Analysis	Control – Classification Methods – Cluster Analysis
Discriminant Analysis	Relate – Classification Methods – Discriminant Analysis	Control – Classification Methods – Discriminant Analysis

Minitab Stat Nonparametrics Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
1-Sample Sign	Describe – Numeric Data – One-Variable Analysis	Analysis – Variable Data – One-Variable Analysis
1-Sample Wilcoxon	Describe – Numeric Data – One-Variable Analysis	Analysis – Variable Data – One-Variable Analysis
Mann-Whitney	Compare – Two Samples – Independent Samples	Analysis – Variable Data – Two Sample Comparisons – Independent Samples
Kruskal-Wallis	Compare – Multiple Samples – Multiple Sample Comparison	Analyze – Variable Data – Multiple Sample Comparisons – Multiple-Sample Comparison
Mood's Median Test	Compare – Multiple Samples – Multiple Sample Comparison	Analyze – Variable Data – Multiple Sample Comparisons – Multiple-Sample Comparison
Friedman Test	Compare – Analysis of Variance – Multifactor ANOVA	Improve – Analysis of Variance – Multifactor ANOVA
Run Test	Describe – Time Series – Descriptive Methods	Forecast – Descriptive Time Series Methods

Minitab Stat Time Series Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Time Series Plot	Describe – Time Series – Descriptive Methods	Forecast – Descriptive Time Series Methods
Trend Analysis	Forecast – User-Specified Model	Forecast – Forecasting - User-Specified Model
Decomposition	Describe – Time Series – Seasonal Decomposition	Forecast – Seasonal Decomposition
Moving Average	Forecast – User-Specified Model	Forecast – Forecasting - User-Specified Model
Simple Exp. Smoothing	Forecast – User-Specified Model	Forecast – Forecasting - User-Specified Model
Double Exp. Smoothing	Forecast – User-Specified Model	Forecast – Forecasting - User-Specified Model
Winters' Method	Forecast – User-Specified Model	Forecast – Forecasting - User-Specified Model
Differences	Analysis option in all time series procedures	Analysis option in all time series procedures
Lag	Generate Data – LAG operator	Generate Data – LAG operator
Autocorrelation	Describe – Time Series – Descriptive Methods	Forecast – Descriptive Time Series Methods
Partial Autocorrelation	Describe – Time Series – Descriptive Methods	Forecast – Descriptive Time Series Methods
Cross Correlation	Describe – Time Series – Descriptive Methods	Forecast – Descriptive Time Series Methods
ARIMA	Forecast – User-Specified Model	Forecast – Forecasting - User-Specified Model

Minitab Stat Tables Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Tally Individual Variables	Describe – Categorical Data – Tabulation	Analysis – Attribute Data – One Factor - Tabulation
Cross Tabulation and Chi-Square	Describe – Categorical Data – Crosstabulation	Analysis – Attribute Data – Multiple Factors - Crosstabulation
Chi-Square Test (Two-way Table in Worksheet)	Describe – Categorical Data – Contingency Tables	Analysis – Attribute Data – Multiple Factors – Contingency Tables

Minitab Stat EDA Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Stem-and-Leaf	Describe – Numeric Data – One-Variable Analysis	Analysis – Variable Data – One-Variable Analysis
Boxplot	Describe – Numeric Data – One-Variable Analysis	Analysis – Variable Data – One-Variable Analysis
Median Polish	Compare – Analysis of Variance – Median Polish of Twoway Table	Improve – Analysis of Variance – Median Polish of Twoway Table
Resistant Line	Relate – One Factor – Simple Regression	Improve – Regression Analysis – One Factor – Simple Regression
Resistant Smooth	Describe – Time Series - Smoothing	Forecast - Smoothing
Rootogram	Describe – Distribution Fitting – Fitting Uncensored Data	Analyze – Variable Data – Distribution Fitting – Fitting Uncensored Data

Minitab Stat Power and Sample Size Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
1-Sample Z	Tools – Sample Size Determination – One Sample	Measure – Sample Size Determination – One Sample
1-Sample t	Tools – Sample Size Determination – One Sample	Measure – Sample Size Determination – One Sample
2-Sample t	Tools – Sample Size Determination – Two or More Samples	Measure – Sample Size Determination – Two or More Samples
1 Proportion	Tools – Sample Size Determination – One Sample	Measure – Sample Size Determination – One Sample
2 Proportions	Describe – Time Series - Smoothing	Measure – Time Series - Smoothing
One-Way ANOVA	Tools – Sample Size Determination – Two or More Samples	Measure – Sample Size Determination – Two or More Samples
2-Level Factorial Design	Tools – Sample Size Determination – Screening Designs	Measure – Sample Size Determination – Screening Designs
Plackett-Burman Design	Tools – Sample Size Determination – Screening Designs	Measure – Sample Size Determination – Screening Designs

Minitab Graph Menu

Minitab Menu Item	*STATGRAPHICS Classic Menu Item*	*STATGRAPHICS Six Sigma Menu Item*
Scatterplot	Plot – Scatterplot s – X-Y Plot	Measure – Scatterplot s – X-Y Plot
Matrix Plot	Plot – Scatterplots – Matrix Plot	Measure – Scatterplots – Matrix Plot
Histogram	Plot – Exploratory Plots – Frequency Histogram	Measure – Exploratory Plots – Frequency Histogram
Dotplot	Plot – Exploratory Plot – Dot Diagrams	Measure – Exploratory Plot – Dot Diagrams
Stem-and-Leaf	Describe – Numeric Data – One-Variable Analysis	Analyze – Variable Data – One-Variable Analysis
Probability Plot	Describe – Distribution Fitting – Probability Plots	Analyze – Variable Data – Distribution Fitting – Probability Plots
Empirical CDF	Describe – Numeric Data – One-Variable Analysis	Analyze – Variable Data – One-Variable Analysis
Boxplot	Plot – Exploratory Plots – Box-and-Whisker Plots	Measure – Exploratory Plots – Box-and-Whisker Plots
Interval Plot	Compare - Multiple Samples – Multiple Sample Comparison	Analyze – Variable Data - Multiple Sample Comparisons – Multiple-Sample Comparison
Individual Value Plot	Compare - Multiple Samples – Multiple Sample Comparison	Analyze – Variable Data - Multiple Sample Comparisons – Multiple-Sample Comparison
Bar Chart	Plot – Business Charts - Barchart	Analyze – Attribute Data – One Factor – Barchart from Tabulated Data
Pie Chart	Plot – Business Charts - Piechart	Analyze – Attribute Data – One Factor – Piechart from Tabulated Data
Time Series Plot	Describe – Time Series – Descriptive Methods	Forecast – Descriptive Time Series Methods
Area Graph	Plot – Time Sequence Plots – Component Line Chart	Measure – Time Sequence Plots – Component Line Chart
Contour Plot	Plot – Surface and Contour Plots	Tools – Surface and Contour Plots
3D Scatterplot	Plot – Scatterplots – X-Y-Z Plot	Measure – Scatterplots – X-Y-Z Plot
3D Surface Plot	Plot – Surface and Contour Plots	Tools – Surface and Contour Plots

If You Have Further Questions

We have tried to indicate the procedure in STATGRAPHICS Centurion that is closest to each of the Minitab menu items. In some cases, functionality may appear in more than one STATGRAPHICS procedure or may be split between procedures. If you have any question about where to find a particular statistical procedure or test, you may:

1. Access the StatWizard by pressing the wizard's cap on the main STATGRAPHICS Centurion toolbar.

2. Click on the *Search* radio button and pull down the list of statistics.

3. Select the statistic or test of interest. All procedures that calculate the selected item will be listed in the *Select Analysis by Name* field.

4. To start any procedure, click on the *Select Analysis by Name* radio button, highlight the desired procedure, and press OK. You will be taken immediately to that procedure, bypassing the menus.

You should also feel free to contact us via e-mail at *support@statgraphics.com*. We'll be happy to answer any questions that you have.