STATGRAPHICS®
Mobile

Statistics in Your Pocket™
Statistics software for Pocket PCs and other mobile devices.
Presented by

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Statgraphics Mobile

Designed for Pocket PC, Pocket PC Phone Edition, and compatible mobile devices.
Requirements

- **Pocket PC, Pocket PC Phone Edition, or compatible device** running Windows Mobile 5 or Windows Pocket PC 2003. Minimum screen resolution: 240 by 240. Approximately 1.1 MB of storage memory required to install program. While running, requires 120KB of main memory plus space for data and intermediate results.

- **Desktop or notebook computer** running Windows 98, 2000, NT, ME, XP or later. 5 MB of hard disk storage required to install documentation and the STATGRAPHICS Mobile Assistant.

- **Microsoft ActiveSync** for program installation and synchronization of data files.
History

- 1982-1990: Statgraphics Plus for DOS (9 versions)
- 1990-2005: Statgraphics Plus for Windows (5 versions, with Manugistics)
- 2005: Statgraphics Centurion XV (StatPoint, Inc.)
- 2006: Statgraphics Mobile
Two Scenarios

1. May be used as a standalone application.
2. May synchronize data with STATGRAPHICS Centurion on a desktop or notebook computer.
Data Entry

- Enter data by hand
- Copy from Excel Mobile
- Synchronize with desktop
Column Properties

- **Type** determines allowable entries
- **Use** affects how data will be analyzed
Column Properties

- Also stores information such as desired scaling, specification limits, and other system options.
Selecting a Statistical Procedure

- Highlight the data to be analyzed.
- Select from Menu – Stats options.
Output Pages

- Both text and graphics output.
- No scrollbars if resolution is at least 240 by 320.
Portrait or Landscape Mode
Additional Output Pages

- Each statistical procedure has additional pages accessible by selecting **Output**.
Drill-Down Point Identification

- Select a point with the stylus to display information about it.
Session Log Files

- Output may be placed in log files for transfer to your desktop or notebook computer.
- The *STATGRAPHICS Mobile Assistant* will display, print, or convert log files to RTF format.
List of Procedures

- Descriptive statistics
- Confidence intervals
- Hypothesis tests
- Outlier identification
- Two sample comparisons
- Multiple sample comparisons
- One-way ANOVA
- Curve fitting
- Calibration
- Control charts for variables
- Control charts for attributes
- Process capability analysis
- ARIMA time series forecasting
- Six Sigma calculator
Descriptive Statistics

- Histogram
- Box-and-whisker plot
- Summary statistics
Distribution Fitting

- Normal, lognormal or power normal
- Q-Q plots
- Shapiro-Wilks test for goodness-of-fit
Column Properties

- Specifies the desired distribution
- May also be used to enter values for the hypothesized mean and standard deviation
Outlier Identification

- Plots data with 1, 2, 3 and 4 sigma limits
- Grubbs’ test gives P-value for the ESD (Extreme Studentized Deviate)
Multiple Sample Comparison

- Compares means using one-way ANOVA
- Compares sigmas using Levene’s test
- Compares medians using Kruskal-Wallis test
Multiple Comparisons

- Means plot may be based on Fisher’s LSD or Tukey’s HSD intervals
Curve Fitting

- May fit linear or nonlinear models
Calibration Problems

- May predict either Y from X or X from Y
- Supports one-sided bounds for stability studies
Time Series Forecasting

- Fits seasonal and nonseasonal ARIMA models
- Includes standard error statistics for comparing models
Recalc Button

- To update forecasts, add new data to the bottom of the datasheet
- Then select *Menu - Recalc*
Zoom and Translate

- May shift axes and zoom in on selected regions using special navigation buttons
Control Charts

- Plots charts for variables and attributes
- Control limits may come from data (Phase 1) or from user input (Phase 2)
- Standard runs rules may be applied
Capability Analysis

- Estimates both long-term and short-term capability
- Based on normal, lognormal, or power normal distribution
Tools: Six Sigma Calculator

- Converts between different quality metrics
Attribute Data

- Performs tabulations and crosstabulations
- Includes tests and measures of dependence between rows and columns in a two-way table
Graphics Options

- May change titles, scaling, and other features of any graph
- May also drag text to reposition it
Tools: Hypothesis Tests

- One and two sample tests from summary statistics
- Normal, Poisson and binomial problems
Tools: Expression Evaluator

- May be used to evaluate algebraic expressions
- Also calculates probabilities and critical values
Pricing

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<th>Corporate</th>
<th>Academic</th>
<th>Student</th>
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<td>$129</td>
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*Note: Faculty, staff and students at academic institutions with up-to-date site licenses for STATGRAPHICS Centurion qualify for the registered user price. Organizations with network licenses may purchase up to 3 copies at the registered user price for each network seat.