STATGRAPHICS® Mobile

Statistics in Your Pocket™

Statistics software for Pocket PCs and other mobile devices.

Presented by

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StatPoint, Inc.   StatPoint, Inc.

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Statgraphics Mobile

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

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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.

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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

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Two Scenarios

1. May be used as a standalone application.

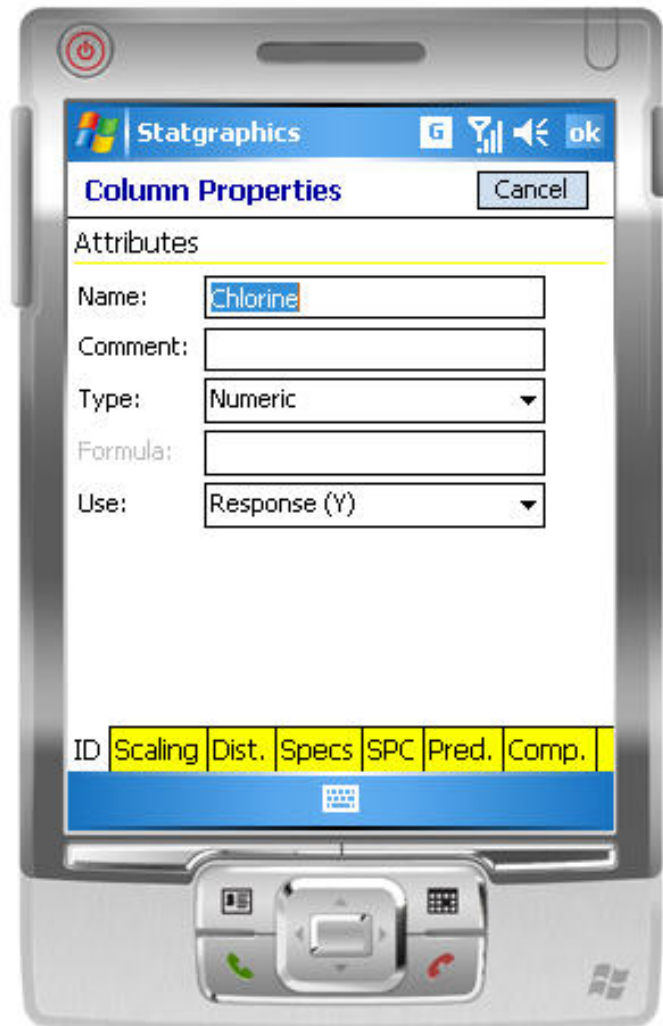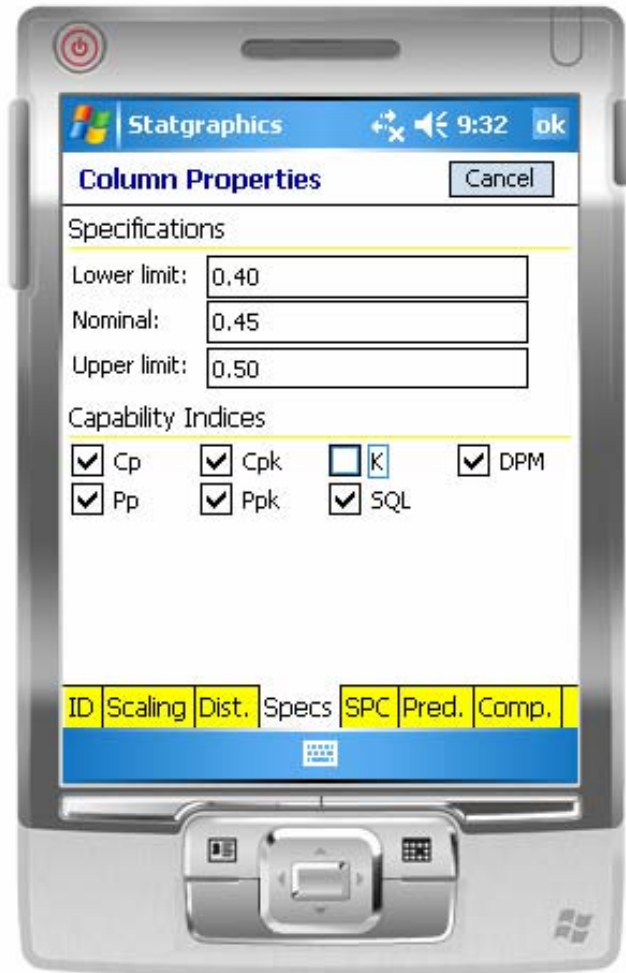2. May synchronize data with STATGRAPHICS Centurion on a desktop or notebook computer.

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Data Entry
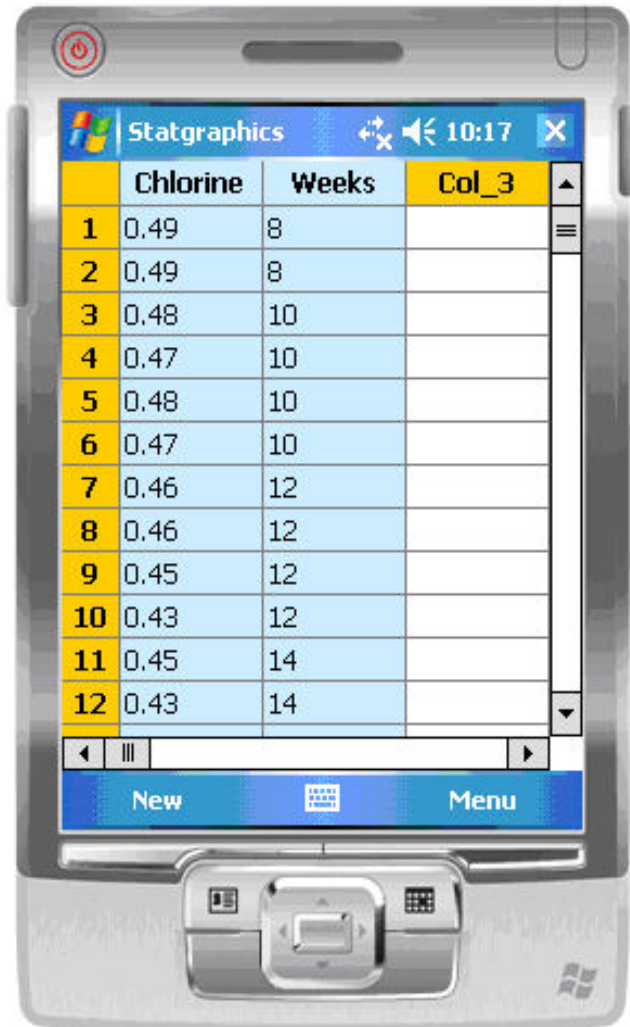
- ☐ Enter data by hand
- ☐ Copy from Excel Mobile
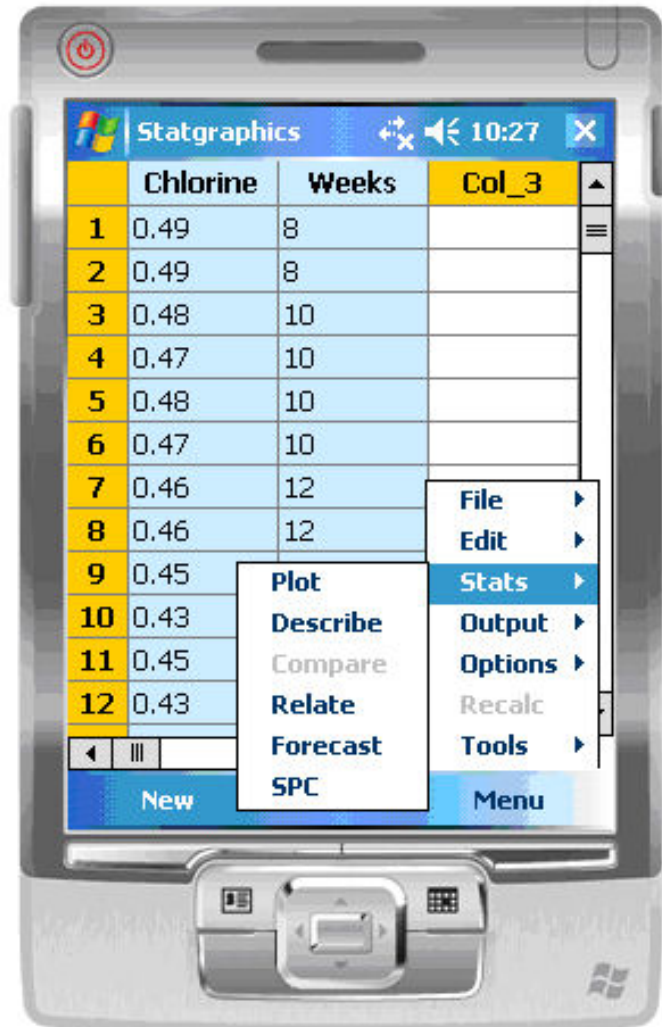- ☐ Synchronize with desktop

Column Properties

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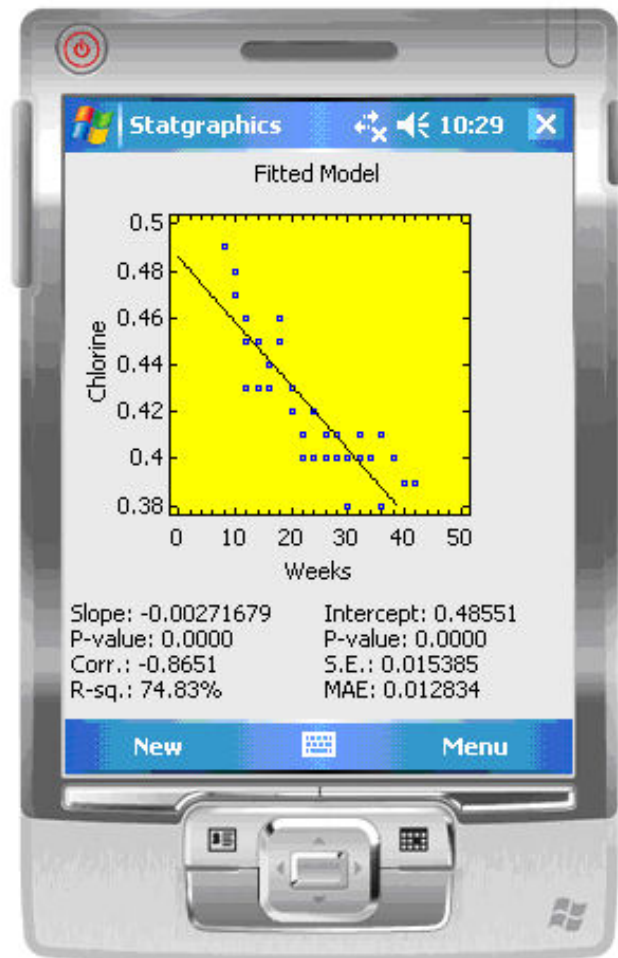- ☐ *Use* affects how data will be analyzed

Column Properties

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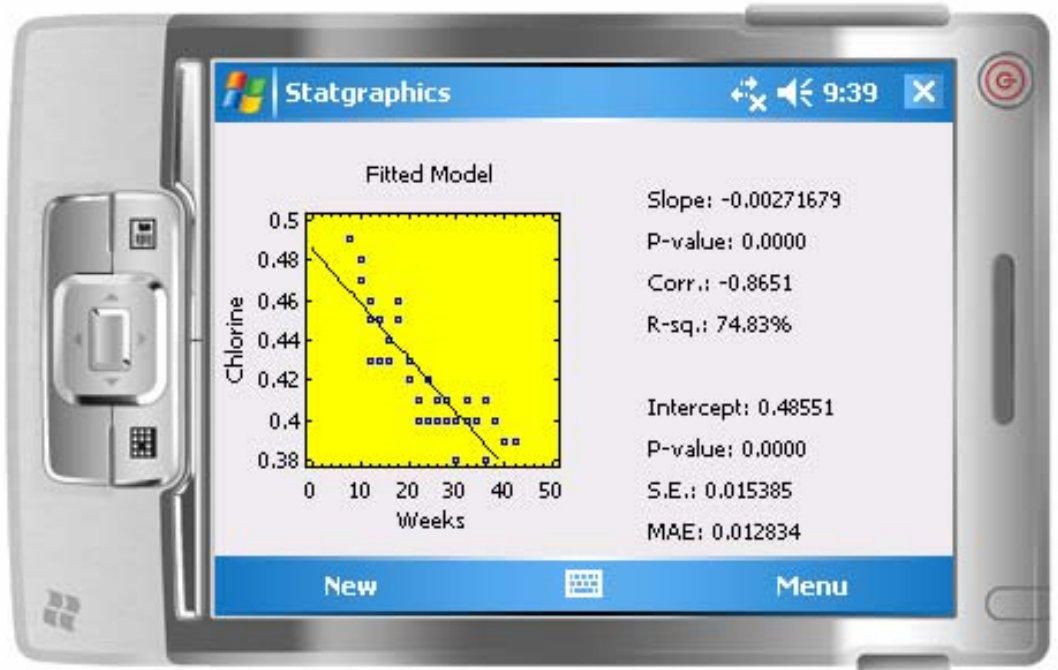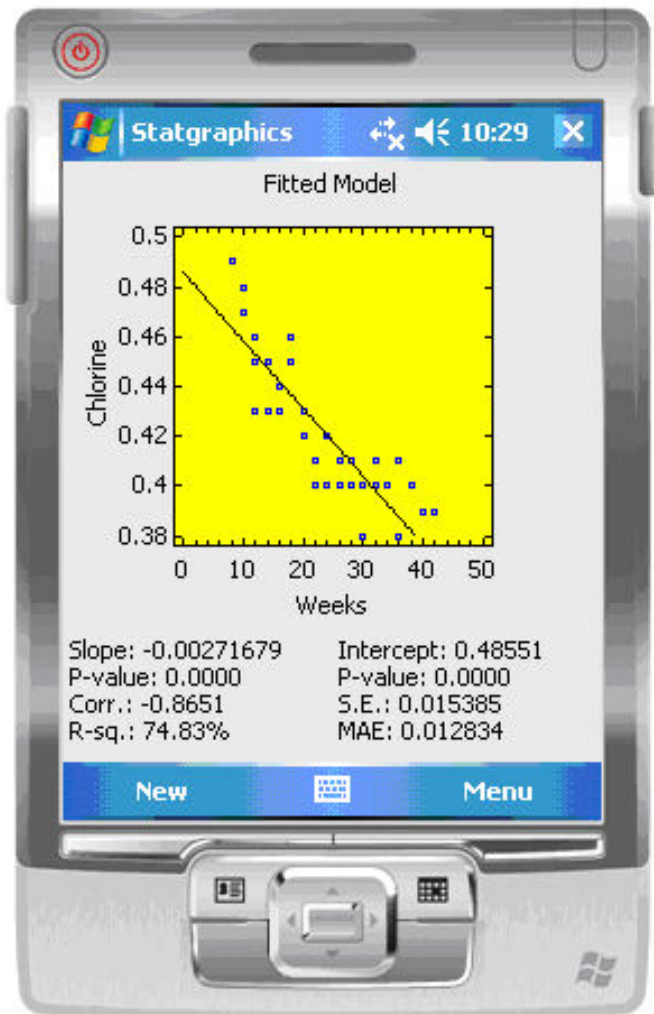
Selecting a Statistical Procedure

☐ Highlight the data to be analyzed.

☐ Select from *Menu – Stats* options.
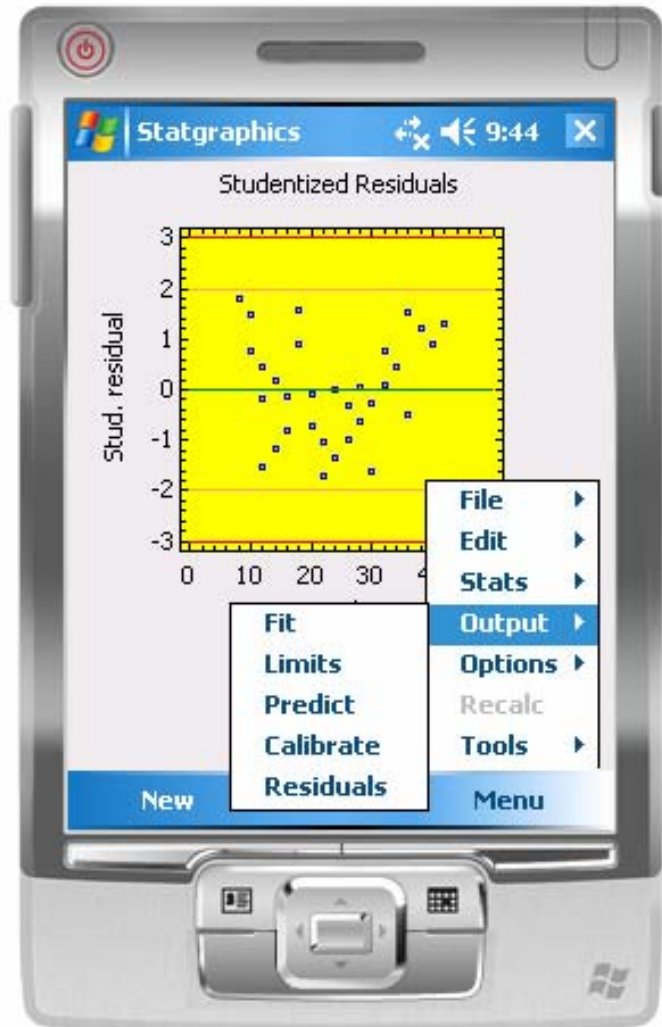
Output Pages

- ☐ Both text and graphics output.
- ☐ No scrollbars if resolution is at least 240 by 320.

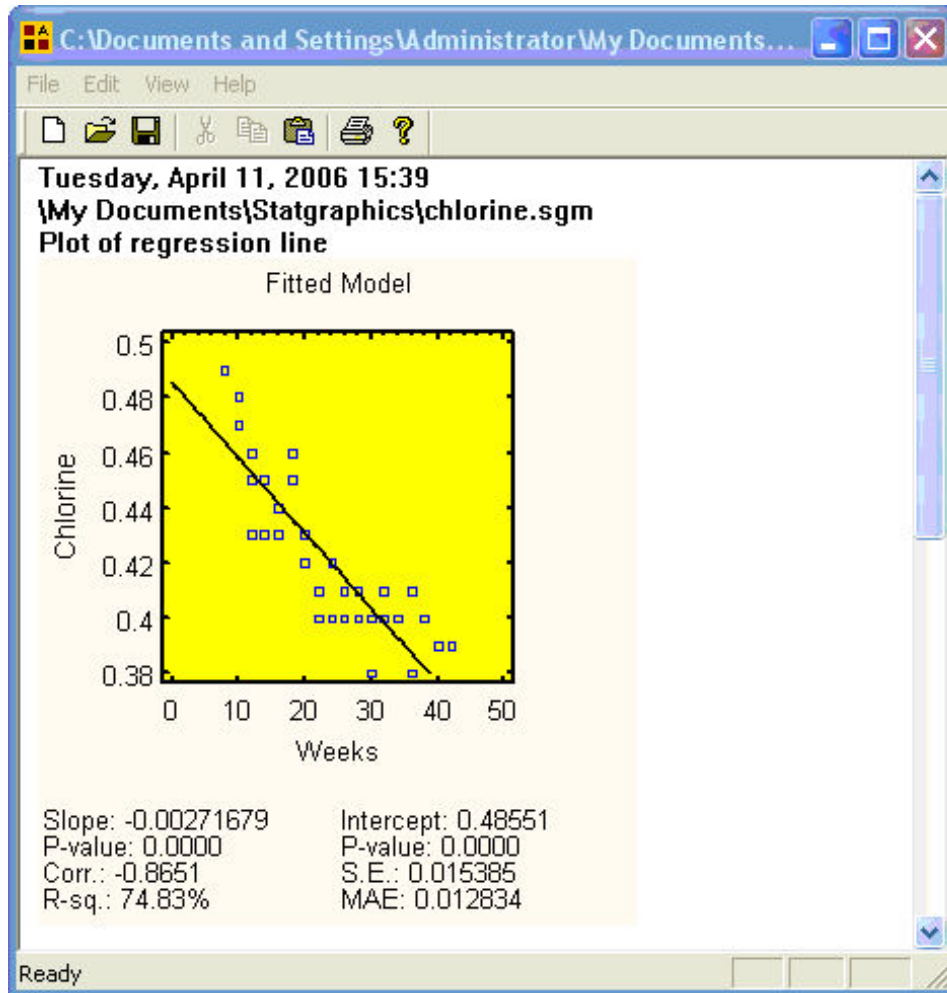# Portrait or Landscape Mode

Additional Output Pages

- Each statistical procedure has additional pages accessible by selecting *Output*.

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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

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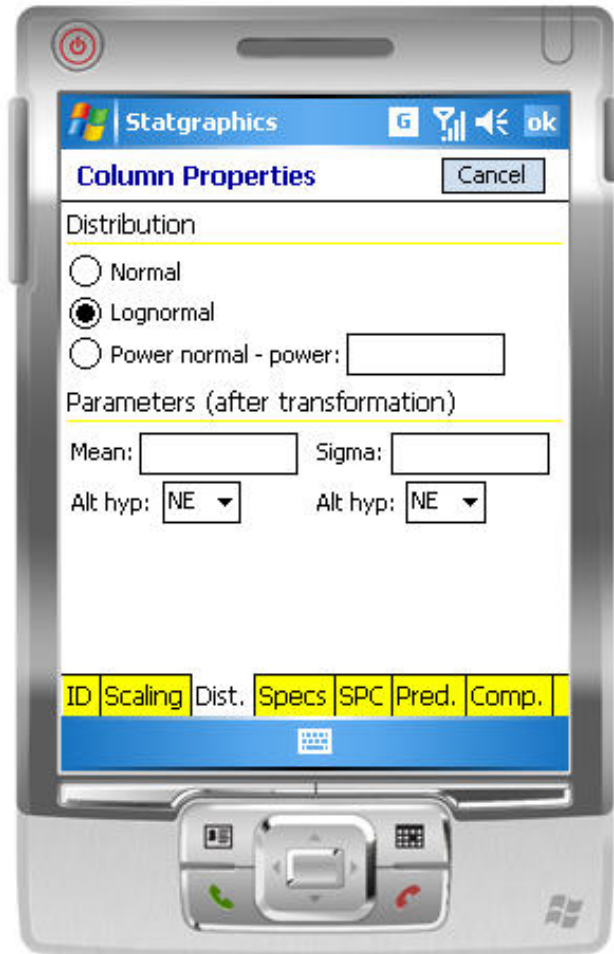# Descriptive Statistics
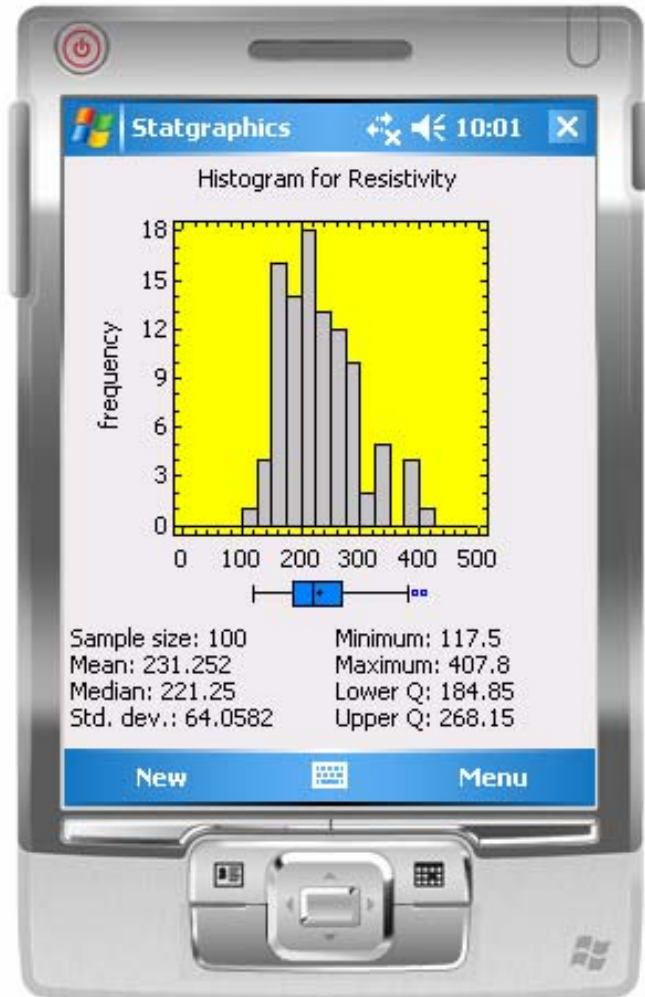
- ☐ Histogram
- ☐ Box-and-whisker plot
- ☐ Summary statistics

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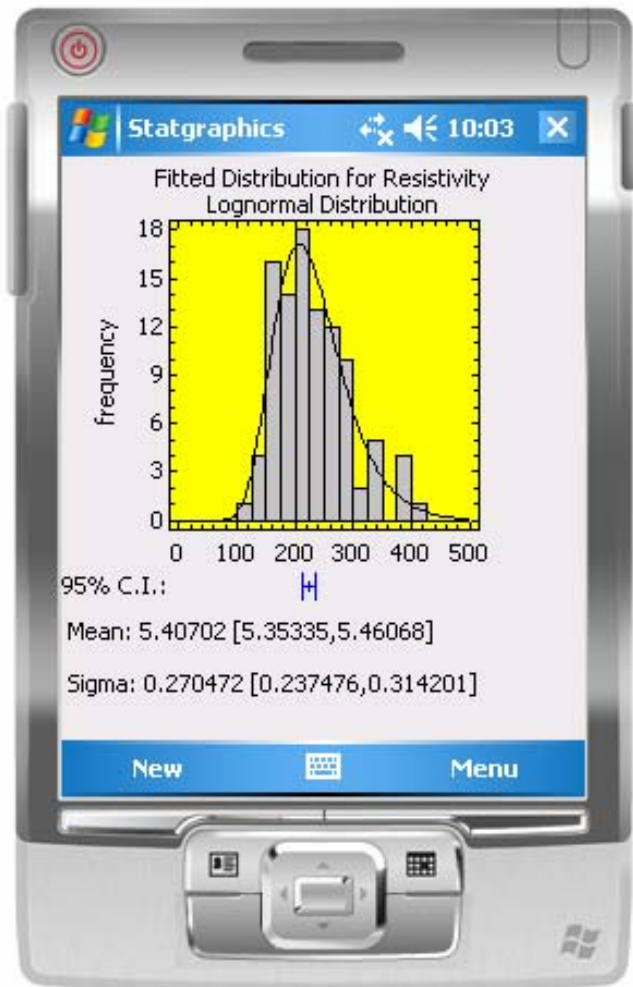
- Normal, lognormal or power normal
- Q-Q plots
- Shapiro-Wilks test for goodness-of-fit

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Column Properties

- Specifies the desired distribution

- May also be used to enter values for the hypothesized mean and standard deviation

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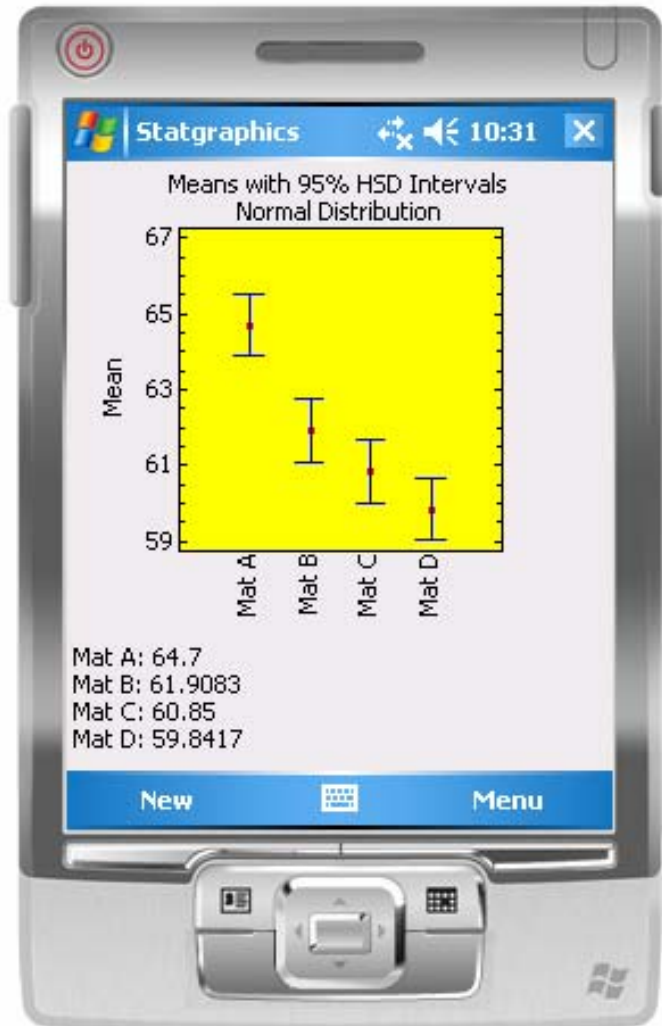www.statgraphics.com

Outlier Identification
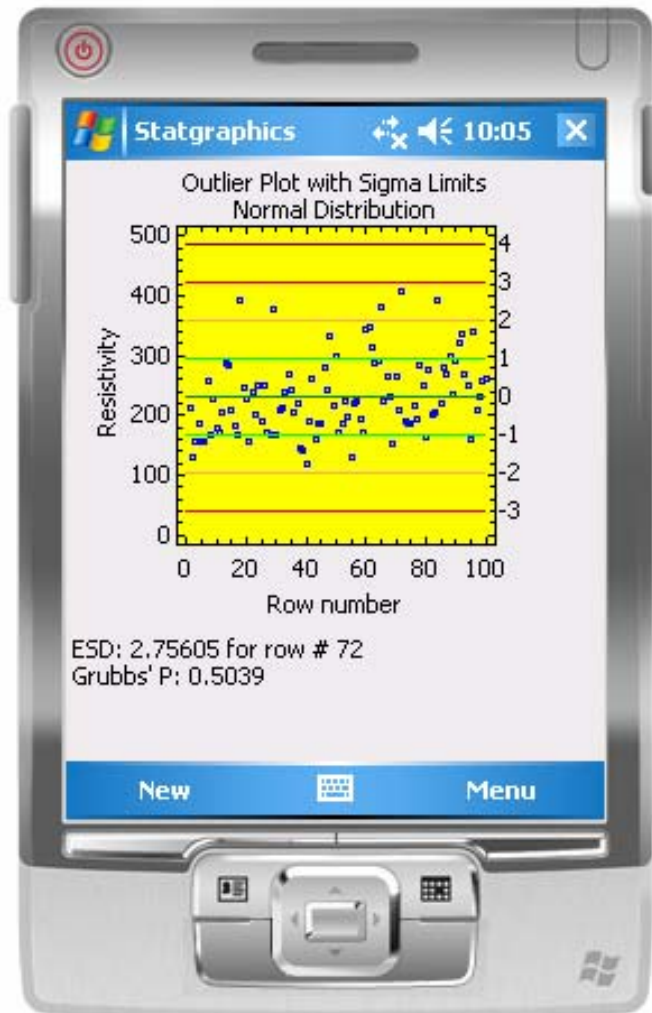
- ☐ Plots data with 1, 2, 3 and 4 sigma limits
- ☐ Grubbs' test gives P-value for the ESD (Extreme Studentized Deviate)
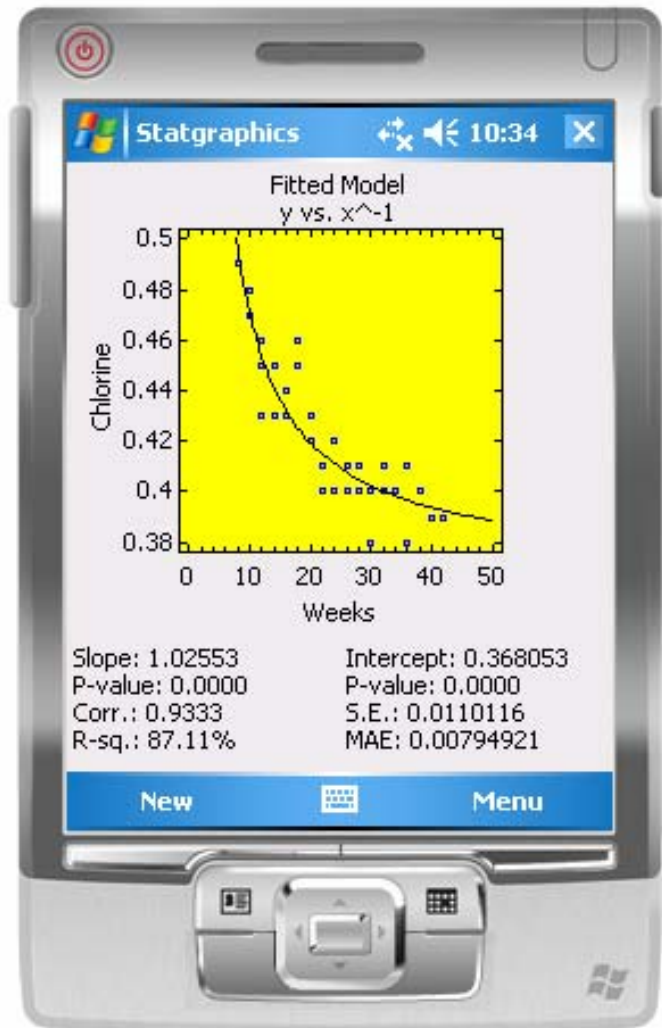
Multiple Sample Comparison
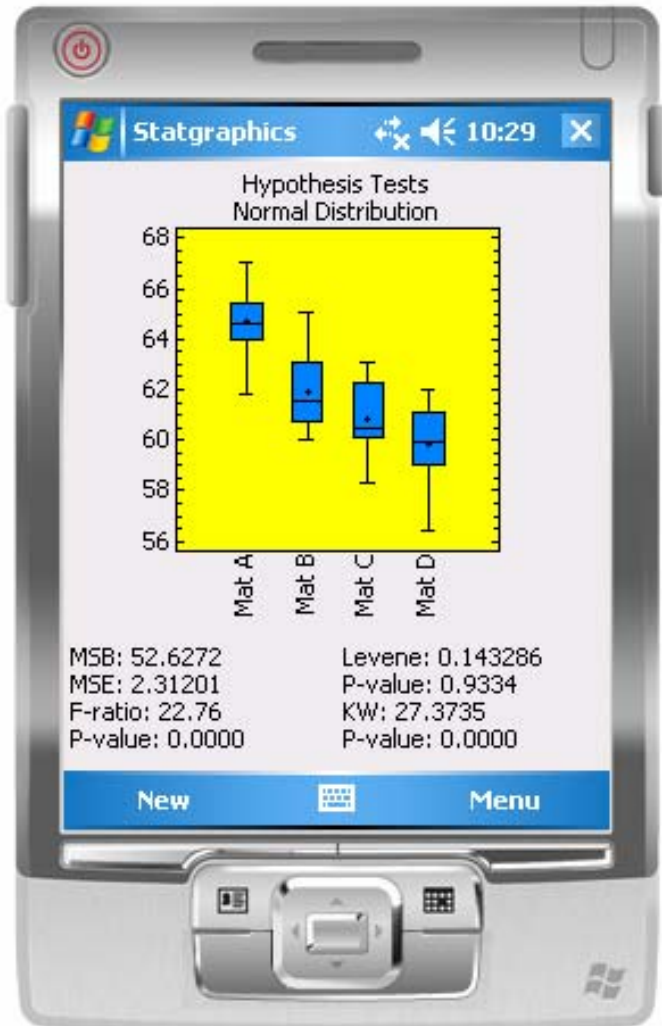
□ Compares means using one-way ANOVA

□ Compares sigmas using Levene's test

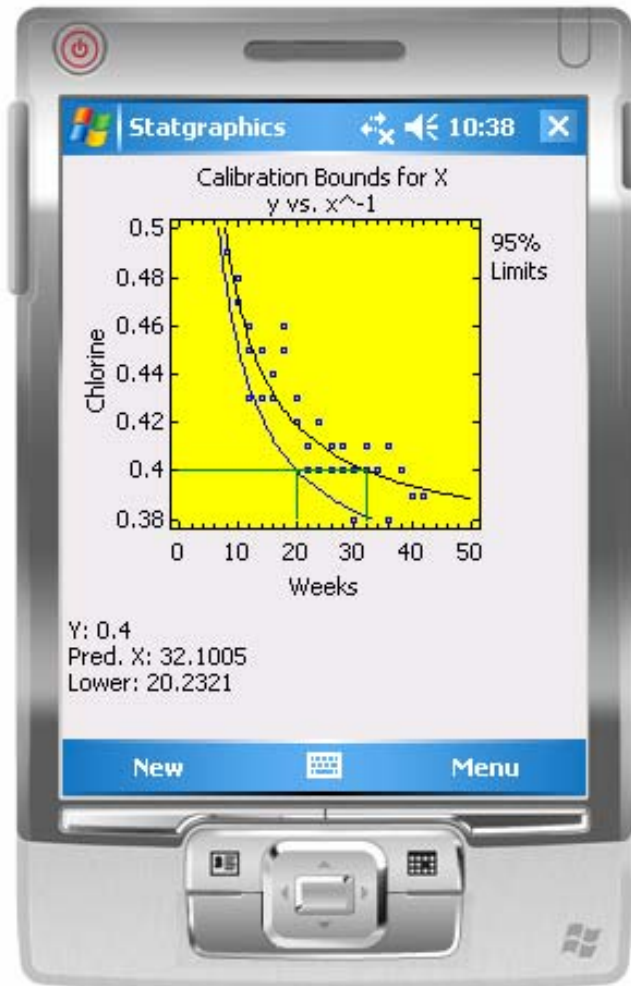□ Compares medians using Kruskal-Wallis test

Multiple Comparisons

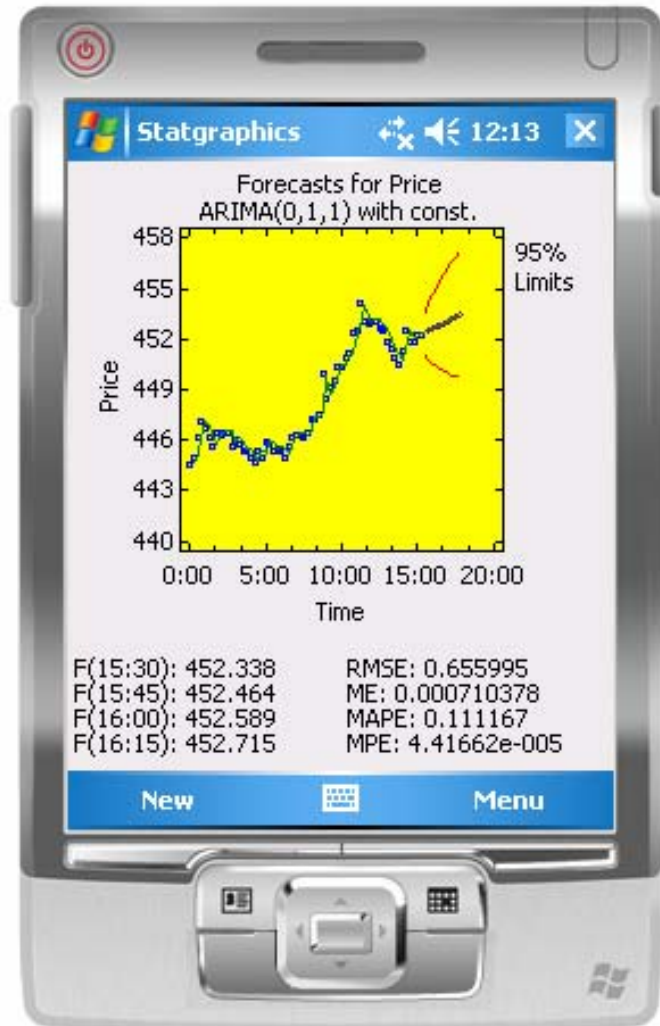- Means plot may be based on Fisher's LSD or Tukey's HSD intervals

Curve Fitting

- □ May fit linear or nonlinear models
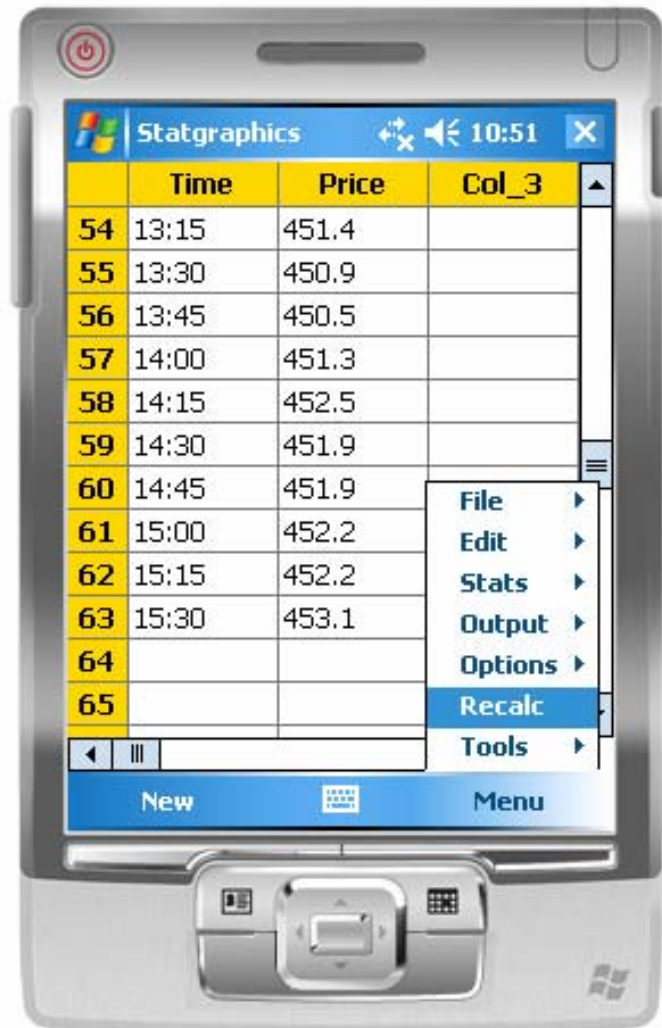
Calibration Problems

- ☐ May predict either Y from X or X from Y
- ☐ Supports one-sided bounds for stability studies

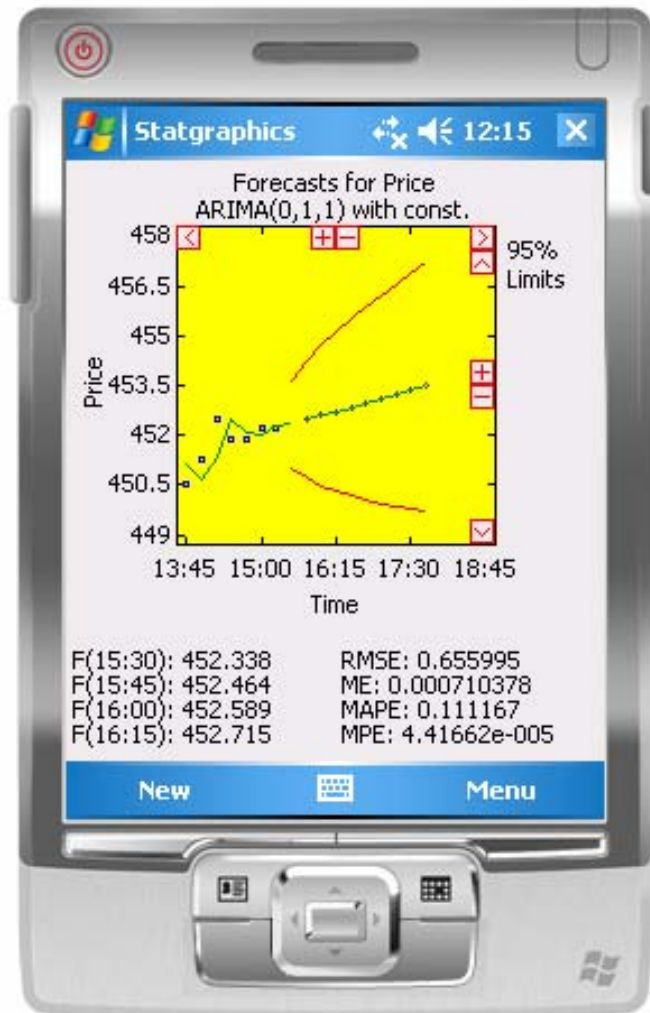# Time Series Forecasting

- Fits seasonal and nonseasonal ARIMA models

- Includes standard error statistics for comparing models
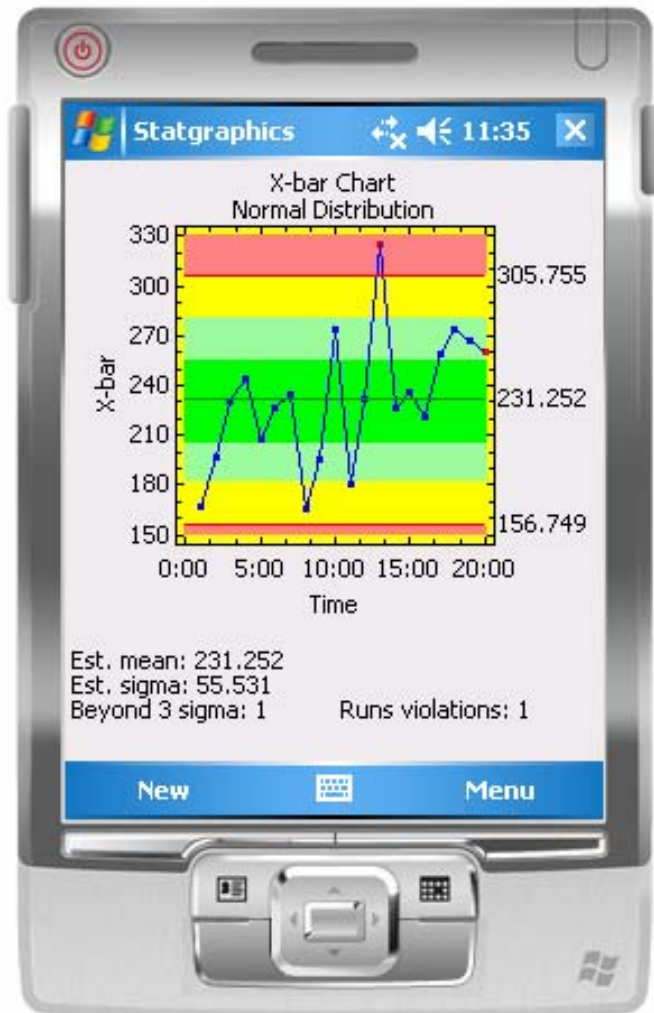
Recalc Button

□ 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

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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

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Capability Analysis
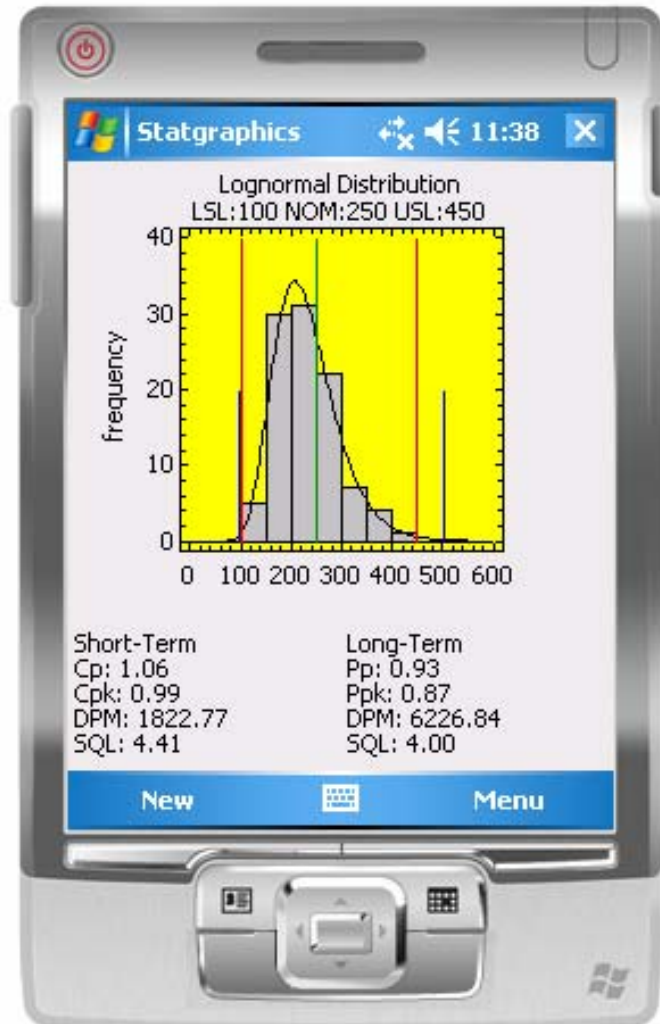
- ☐ Estimates both long-term and short-term capability
- ☐ Based on normal, lognormal, or power normal distribution
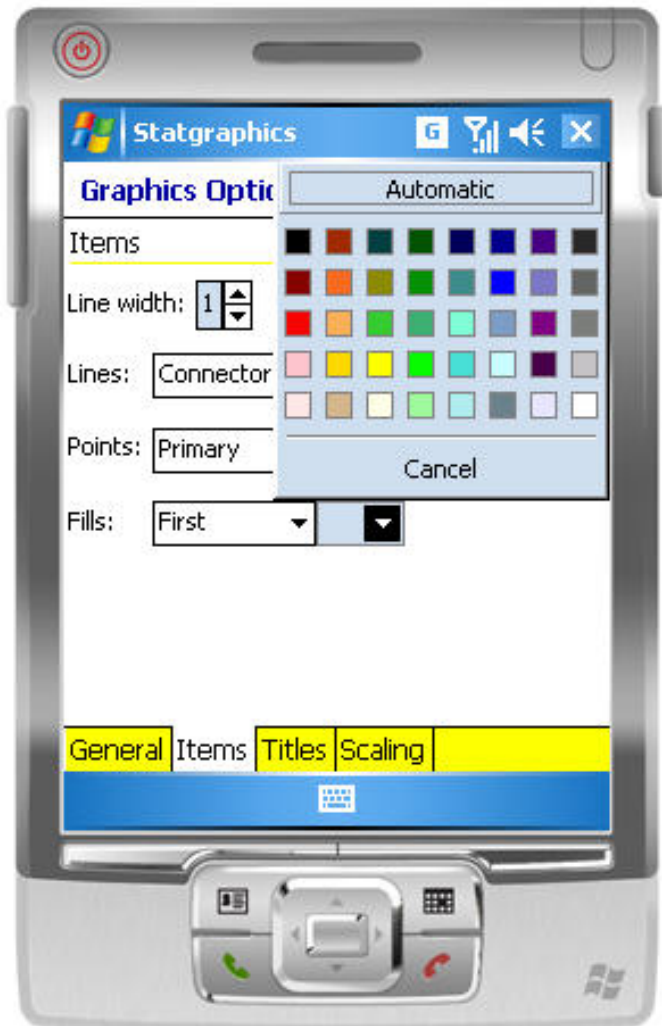
Tools: Six Sigma Calculator
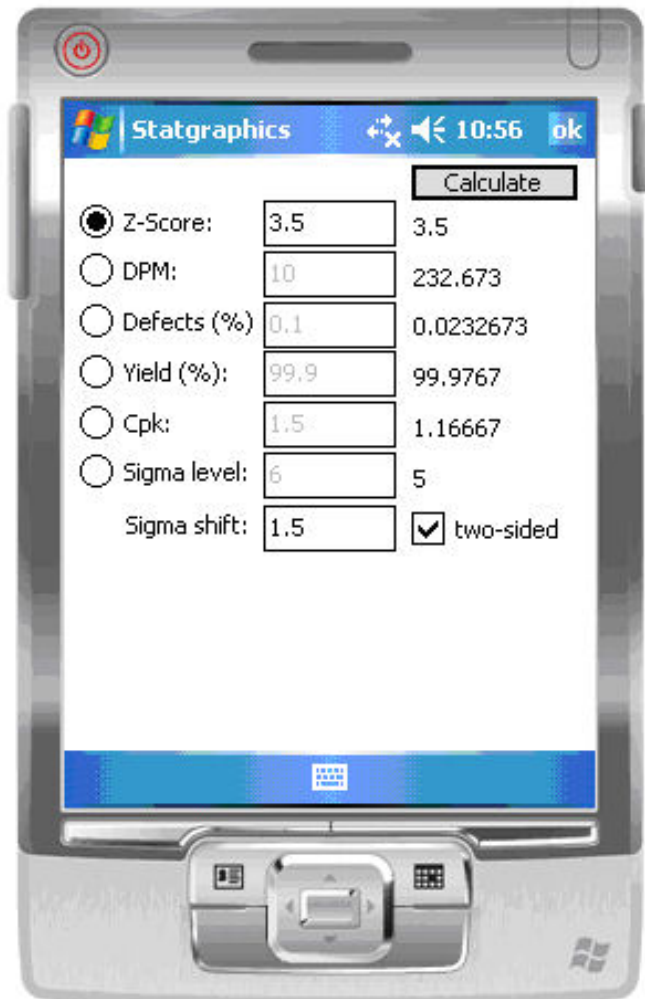
□ Converts between different quality metrics

Attribute Data

- Performs tabulations and crosstabulations
- Includes tests and measures of dependence between rows and columns in a twoway table

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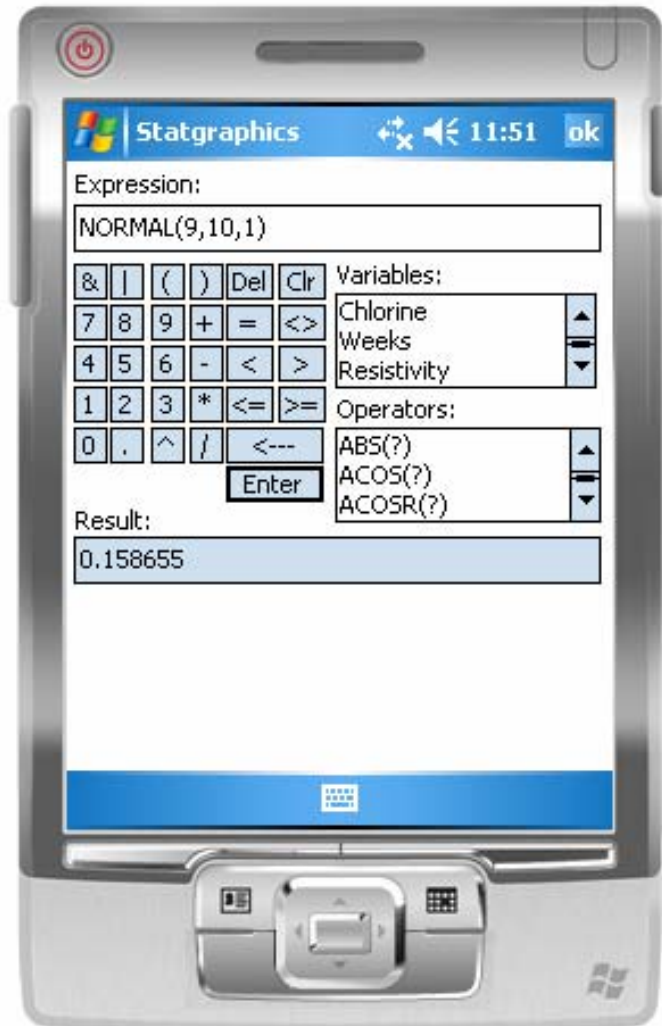# Graphics Options

- ☐ May change titles, scaling, and other features of any graph

- ☐ May also drag text to reposition it

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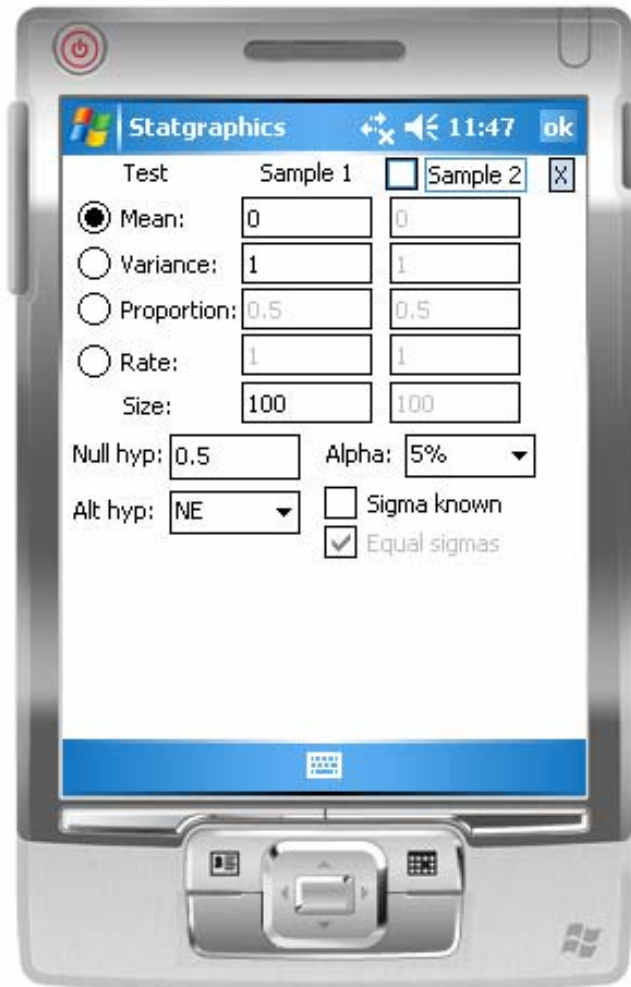
- One and two sample tests from summary statistics
- Normal, Poisson and binomial problems

Tools: Expression Evaluator

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

Pricing

	Corporate	*Academic*	*Student*
Regular Price	**$299**	**$129**	**$79**
*Registered STATGRAPHICS Centurion XV User	**$149**	**$79**	**$39**

*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.

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