Design of Experiments Wizard

The Experimental Design section of STATGRAPHICS contains a new wizard that assists users in constructing and analyzing designed experiments. It guides the user through twelve important steps in the creation of the design:

1. Define responses
2. Define exp. factors
3. Select design
4. Select runs
5. Save experiment
6. Optimize responses
7. Save results
8. Augment design
9. Save input
10. Run analysis
11. Run SAS macro
12. Save results

Interactive Exploration of Response Surface and Contour Plots

Response surface and contour plots can be explored interactively. Sliders change the levels of the variables in the underlying statistical model, which is immediately reflected in the plot. Ascend and Descend buttons instruct the program to move in steps along the path of steepest ascent, which causes the surface or contour plot to change dynamically.

StatAdvisor™

The StatAdvisor has been developed to assist you in selecting the proper analyses for your data. You begin by specifying the columns containing the data to be analyzed. The StatAdvisor then:

- Suggests analyses appropriate for that type of data.
- Offers to transform one or more of the variables.
- Helps you select a subset of the data if desired.
- Suggests the exploration of several levels of a “By” variable.

Pan and Scroll

A new icon has been added to the toolbar in the shape of a magnifying glass that allows users to zoom-in on a graph and then scroll pan. This is particularly helpful when displaying a large number of data points.

SnapStats™

When you need to do a common statistical analysis, SnapStats provide a quick way to produce a single page of preformatted output. Just enter the names of the columns with your data, click OK, and you’re done.

StatReporter™

When analyzing data, it is important to share your results with everyone involved in the decision-making process. The StatReporter is designed to assist you in creating presentation-quality reports within STATGRAPHICS Centurion. You can take any table or graph created in the program and paste it into the StatReporter with a simple click of the mouse. Better yet, you can paste link the output so that the reports will automatically update whenever the source data change.
STATGRAPHICS® Centurion XVI
is supported by a team of professionals dedicated to insuring that you get the most out of the program.

- **StatLink™**: If you repeat the same analyses frequently, then StatLink is for you. It allows you to:
  1. Link a STATGRAPHICS StatFolio to one or more data sources. When the StatFolio is loaded, the data sources are queried and all analyses are updated.
  2. Automatically poll the data sources at a predefined increment of time. Combined with StatPublish, you can set up STATGRAPHICS to automatically maintain output on a web server.

- **Six Sigma Menu**: The Professional Edition of STATGRAPHICS Centurion XVI is ideal for use in Six Sigma projects. The program includes:
  1. An optional Six Sigma menu that arranges the statistical procedures according to the DMAIC paradigm (Define, Measure, Analyze, Improve, and Control).
  2. A complete set of Six Sigma management tools, including cause-and-effect diagrams, QFD matrices, Pareto charts, and process maps.
  3. Capability analysis for both variables and attributes.
  4. Gage studies following the latest AAG guidelines.
  5. Design of Experiments and all of the other statistical modeling tools you need to improve the quality of your goods and services.

- **StatPublish™**: When you’re ready to disseminate your results throughout the entire organization, use StatPublish to create HTML output that can be viewed with any web browser. You can also automate the entire analysis and publishing process by creating a script that you can launch at a fixed time every day.

- **Documentation**: STATGRAPHICS Centurion XVI comes with a more than 280-page on-line User’s Guide containing seven tutorials, and PDF documents describing each of the statistical procedures. A context-sensitive help system allows you to search for topics by name or keywords. Additional resources are available on the web, where you post information such as Frequently Asked Questions and notices about new updates to the program.

- **Training**: StatPoint Technologies, Inc. and its international dealers conduct both public and on-site seminars covering the use of STATGRAPHICS for statistical analysis. The seminars are suitable for both new and advanced users.

- **Validation**: Before release of each new version, extensive tests are performed to insure that the program operates properly. For users needing to validate the statistical results for regulatory agencies, we will be happy to cooperate in providing information about our software development and testing procedures.

- **Technical Support**: StatPoint and its dealers are dedicated to providing you with first-class technical support. You’ll find our support specialists to be highly knowledgeable about both STATGRAPHICS and statistical methods.

- **System Requirements**: STATGRAPHICS Centurion XVI runs on a Pentium or equivalent computer with at least 512 MB of RAM, Windows 98 or later, a mouse, a CD-ROM drive, and access to at least 100 MB of available disk storage.

- **How to Get STATGRAPHICS**: A trial copy of STATGRAPHICS Centurion XVI can be downloaded from www.statgraphics.com. You will also find an order form and a list of all international dealers at that site.

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**Introducing the NEW STATGRAPHICS Centurion Version XVI**

"KNOW WHERE TO FIND THE INFORMATION
AND HOW TO USE IT – THAT’S THE SECRET OF SUCCESS”

— ALBERT EINSTEIN

Today’s challenges are great, so reaching the highest goals requires solid strategies. Achieving the success you seek demands powerful, intuitive, smart analytical tools that make the difference between merely surviving and out-performing competitors as well as your own expectations. Since 1980, STATGRAPHICS® has been providing thousands of prominent companies worldwide with these tools, saving them billions and boosting revenue. Computational brainpower and guidance functionalities have been elevated to new heights in STATGRAPHICS® Centurion XVI. It delivers unmatched solutions for easily understanding the predictive properties of your data and insight for acting upon them for improvement in every aspect of your business.

The NEW STATGRAPHICS® Centurion VERSION XVI is packed with added features and superior value. Make sense of your data, identify costs and alternatives, drive increased profitability, improve processes and take control of your business.

THE UNIVERSE WILL HAVE FEWER SECRETS…

TAKING CONTROL OF YOUR BUSINESS…”

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