

Paper SIB-099

Generating Fantastic Graphs in 10 Seconds or Less

Ben Cochran, The Bedford Group, Cary, NC

ABSTRACT

When Enterprise Guide® (EG) first came out, someone described it as SAS/ASSIST on steroids. While there is so much you can do with the point and click, drag and drop interface of EG, this paper focuses only on creating graphical output. A step by step approach is taken to create, then greatly modify and enhance the appearance of these graphs. This paper shows the user that it is very easy to harness the strength of EG to create superior results. Was EG ever on steroids? Let the user decide.

Keywords: Enterprise Guide, SAS/GRAPH, Graph

INTRODUCTION

Often, SAS users want to generate attractive graphical reports, but do not have the time to master the incredible power of SAS/GRAPH. One alternative is to use EG to generate the reports. The advantages gained with this approach is that it is very quick, you do not need to know SAS/GRAPH syntax, and EG generates the SAS code needed to produce the output. This code can then be save and modified to suit the users need later. Another advantage is that the output can be easily be exported to a Microsoft Word document, or an HTML file, etc. This paper is intended for any SAS user from beginner to expert who just needs a little help in generating nice looking graphs. Everything is run on the Windows XP operating system.

GETTING STARTED

This Hands On Workshop gets started with instructions on how to get into EG, how to start a project, how to add data to the project, and finally how to generate graphical output from the data. First, lets get started with a project.

CREATING A PROJECT

This actually happens when you get into EG. The default name of the project is Project. You can rename it by doing a File -> Save Project as -> ... then browse to the location of your choice and supply the name you wish for the project.

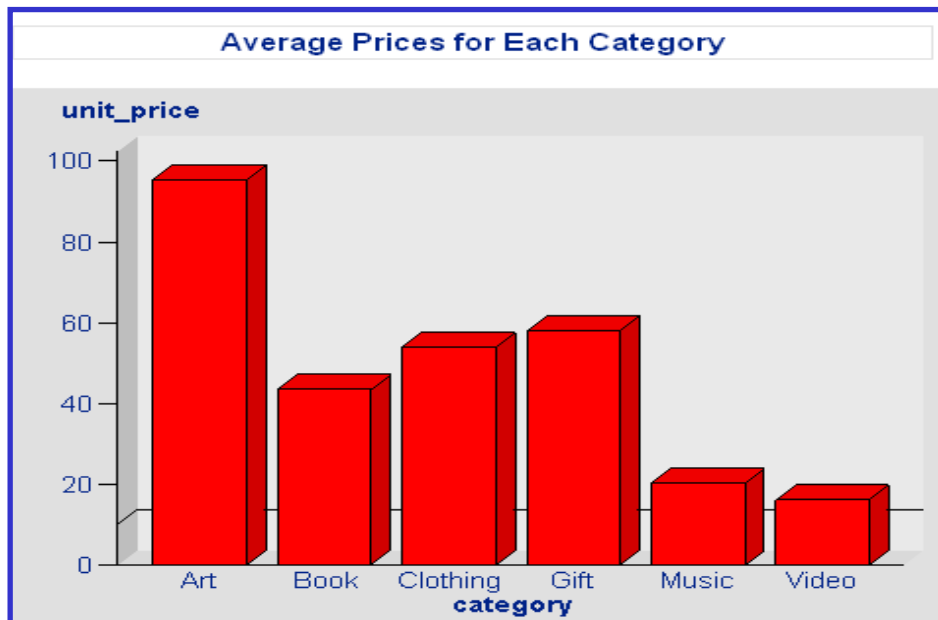
ADDING DATA TO THE PROJECT

There are several ways to add data to your project. You can drag and drop data from the Server list, or you can select File -> Open -> Data -> Local Computer -> then browse to you get to the location (folder) where your data is stored. Select the data set, then select Open. Once the data is in the project, you are ready to generate output by choosing from a number of Tasks. The task list will be reviewed in the presentation.

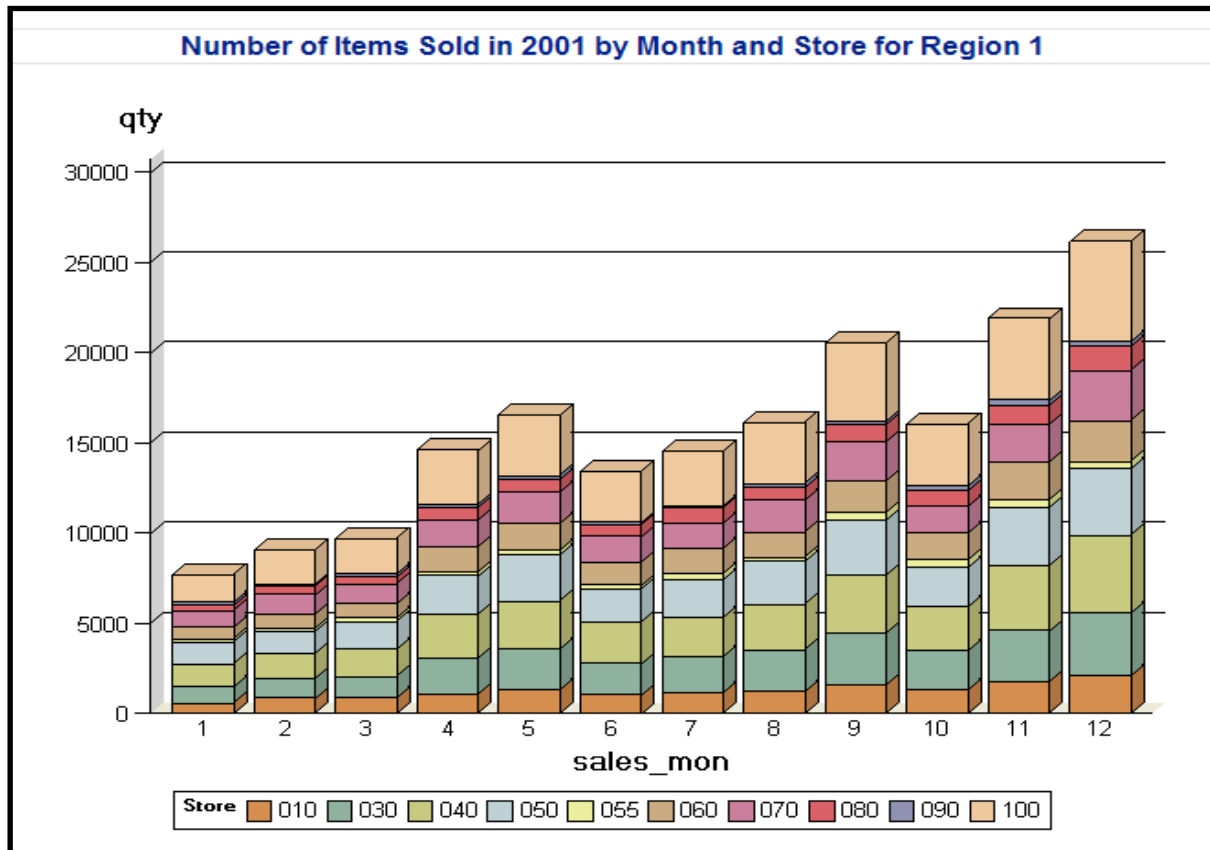
GENERATING GRAPHICAL OUTPUT

The type of output that is generated depends on the 'Task' that is chosen. The following graphs will be generated in the presentation.

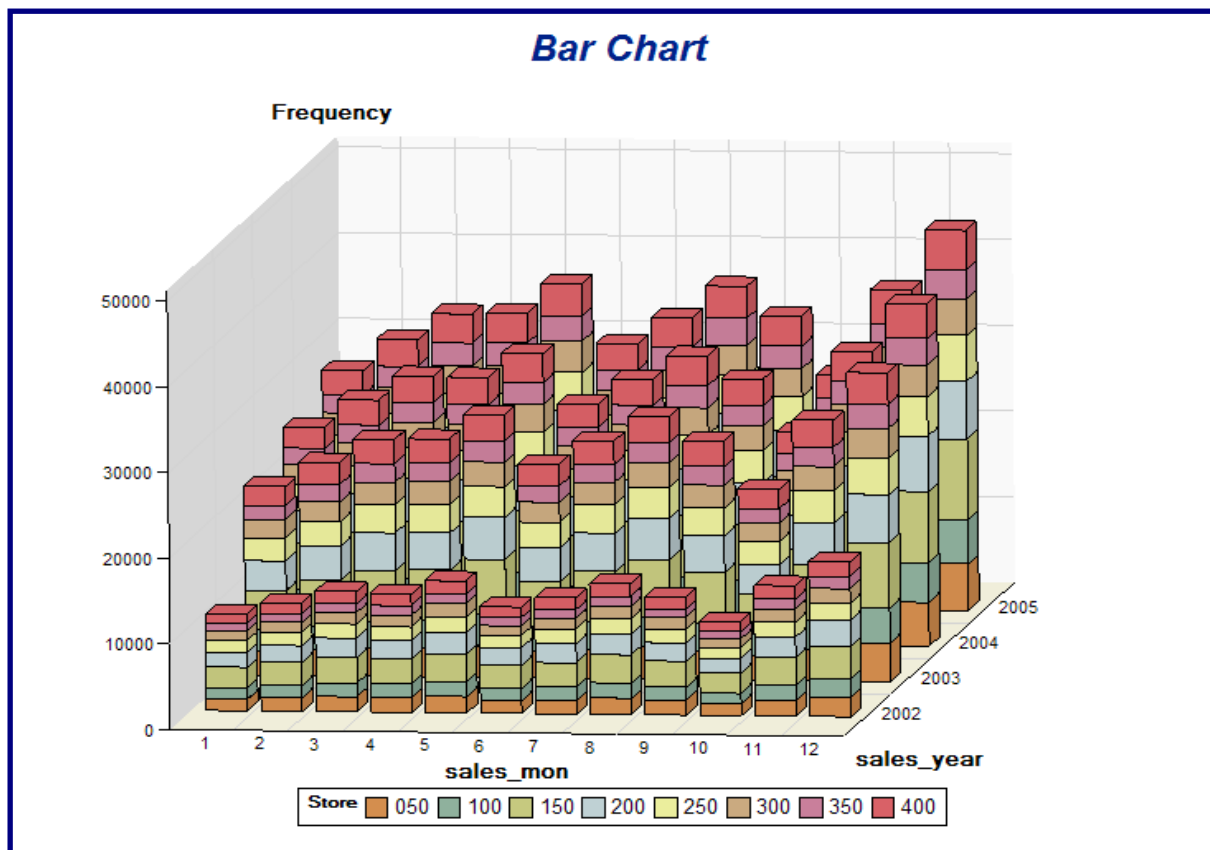
BAR CHART TASK (SIMPLE VERTICAL BAR)



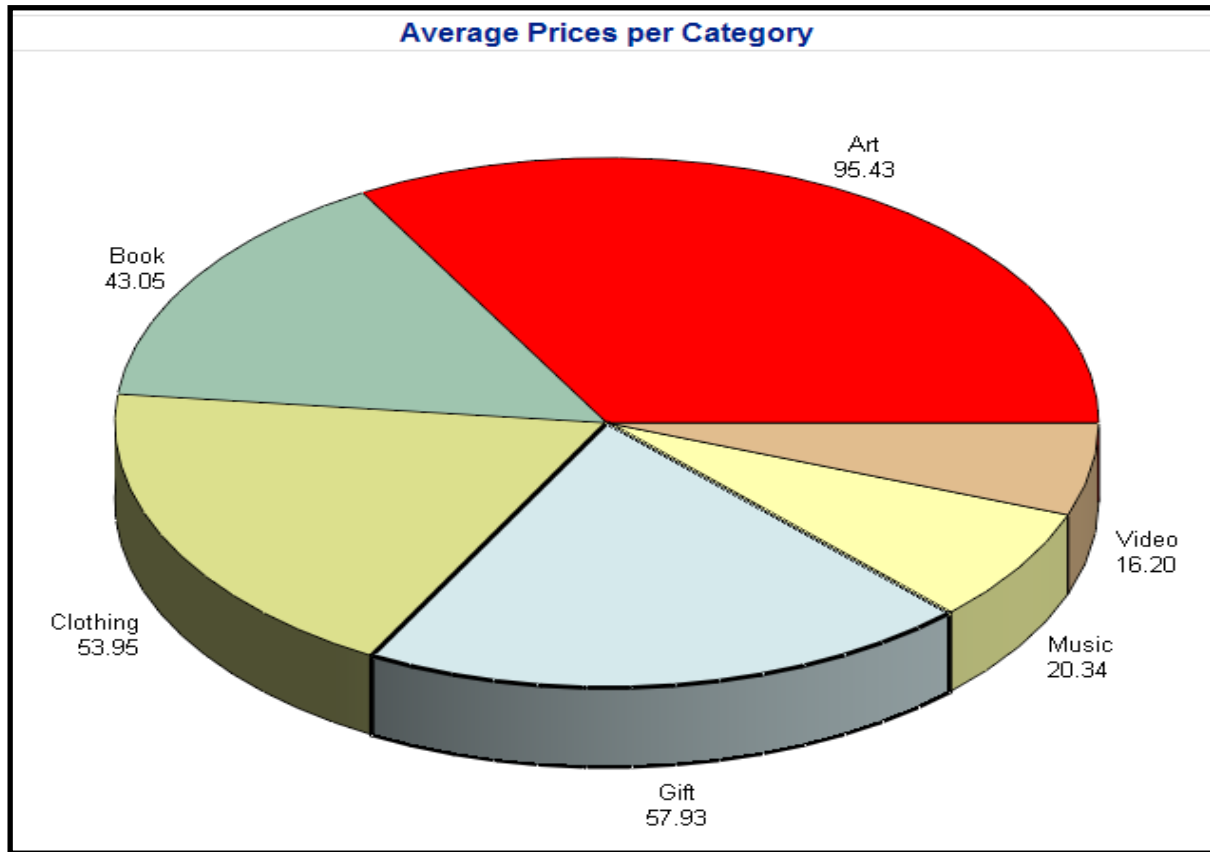
(STACKED VERTICAL BAR)



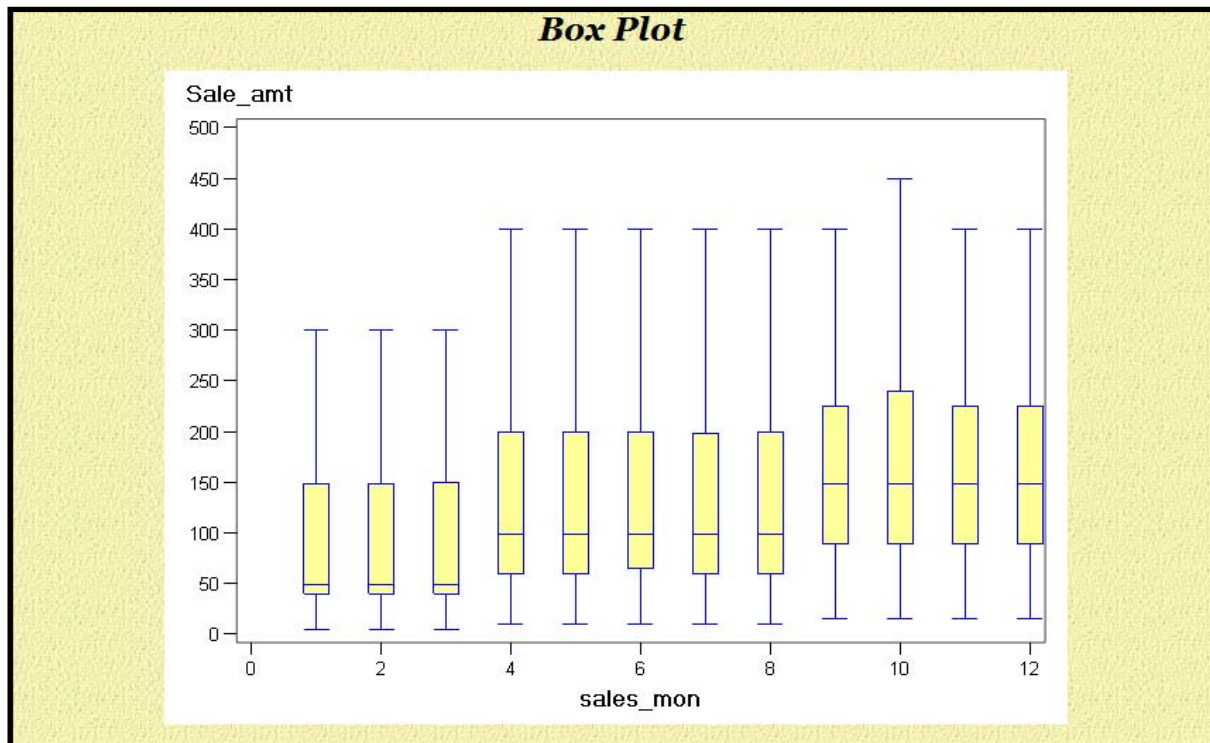
(3D GROUPED/STACKED VERTICAL BAR)



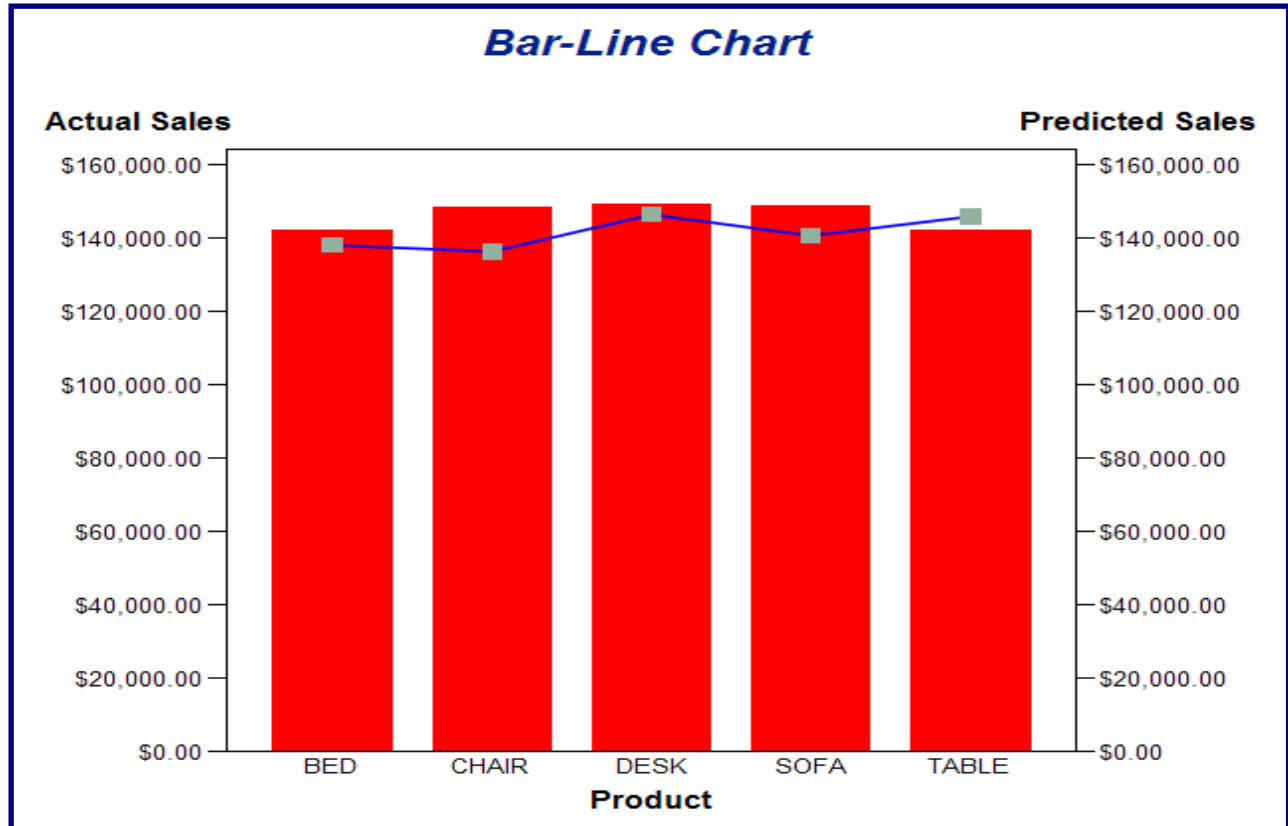
PIE CHART TASK



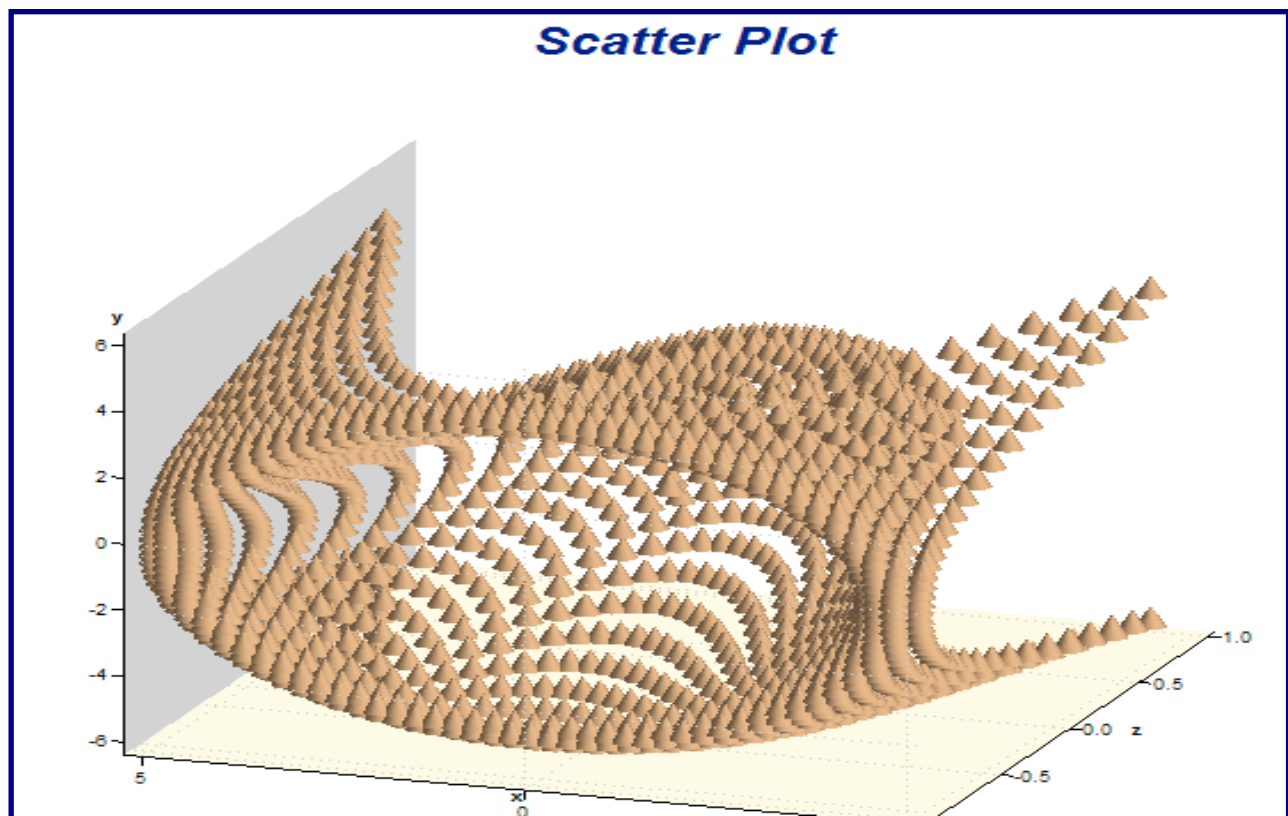
BOX PLOT TASK



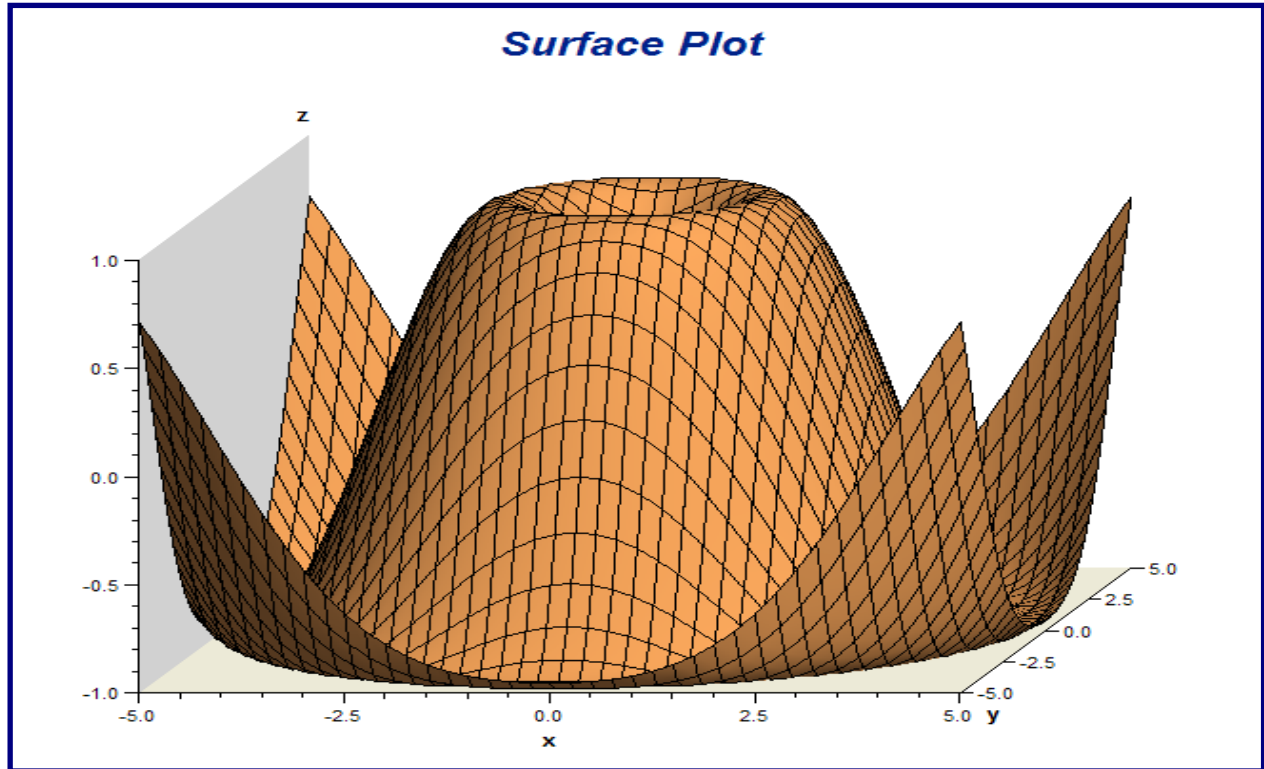
BAR LINE CHART TASK (NEW IN EG 4.1)



SCATTER PLOT TASK

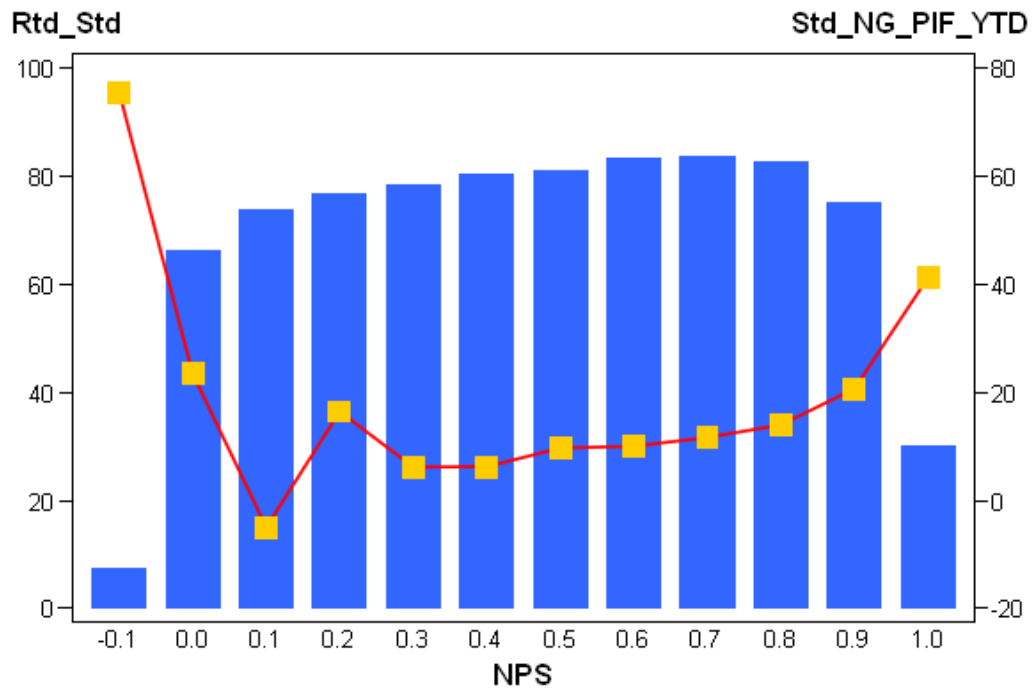


SURFACE PLOT TASK



The Bar-Line Chart (shown below) is a new Graph task in Enterprise Guide 4.1.

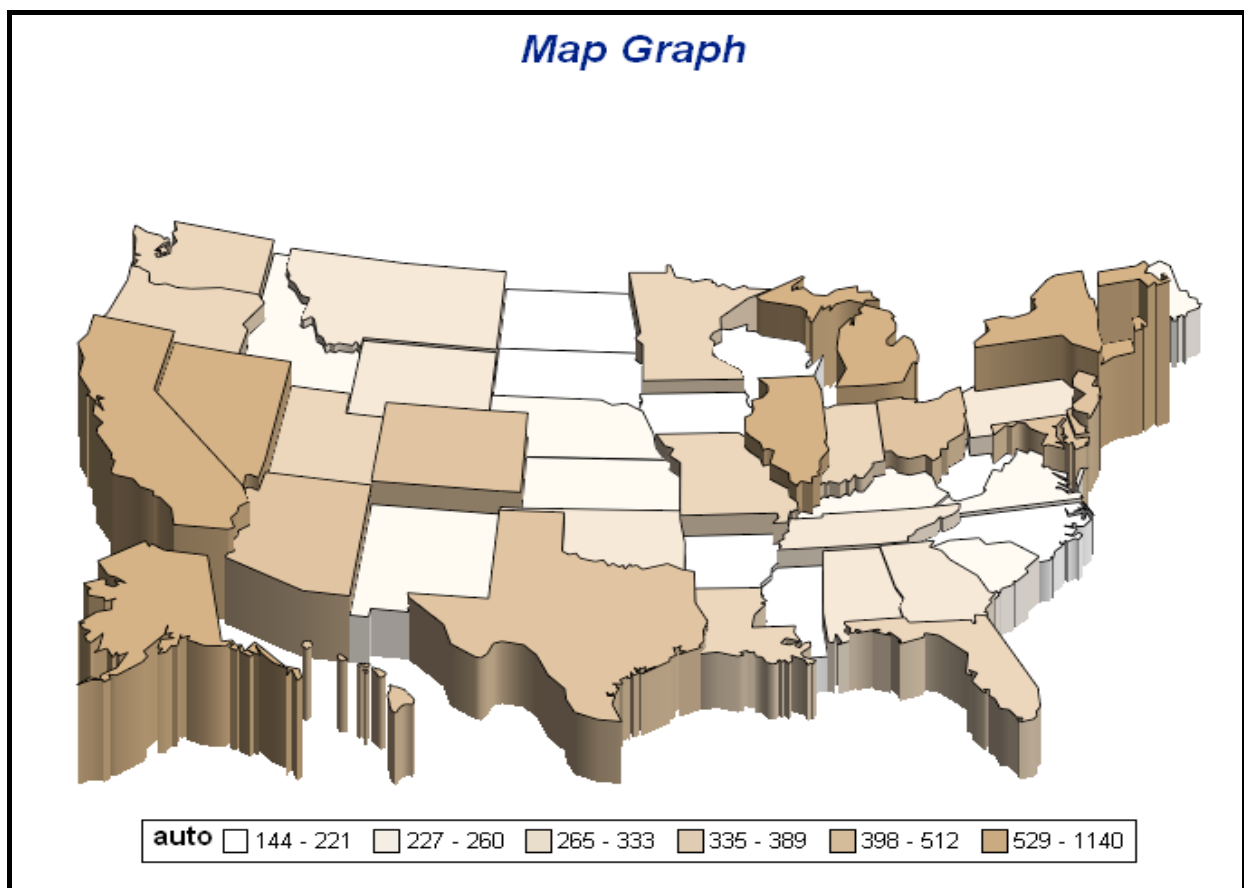
Year 2007 for All Months



Map Graph



Maps are very easy to generate in Enterprise Guide, such as the two dimensional Choropleth map shown above, or the three dimensional Prism map, shown below.



More graphical tasks will be presented at the Seeing Is Believing presentation if time allows.

CONCLUSION

Hopefully, attendees can see how easy it is to use EG to generate attractive graphs.

ACKNOWLEDGMENTS

As always, I would like to thank the people in the Technical Support department of SAS Institute for their kind and helpful assistance for this past year. Their knowledge helped make this presentation possible.

CONTACT INFORMATION

If you have any questions or comments, the author can be reached at:

Ben Cochran
The Bedford Group
3224 Bedford Avenue
Raleigh, NC 27607
Work Phone: 919.741.0370
Fax: 919.831.1191
Email: bedfordgroup@nc.rr.com
Web: www.bedford-group.com

SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. ® indicates USA registration.

Other brand and product names are trademarks of their respective companies.