Creating ActiveX Graphs for Presentations using SAS® Enterprise Guide®

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Robert Gordon, MS (rgordon@cephalon.com)

Terek Peterson, MBA (tpeterso@cephalon.com)



Cephalon Today Achieving The Right Balance

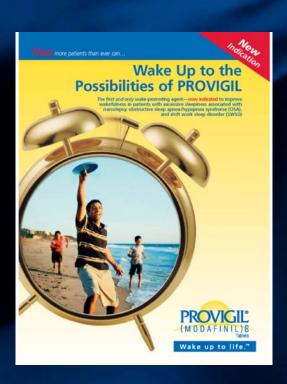
- > Fully integrated, biotech-based pharmaceutical company
- > Focus on research and development
- Major presence in the United States and Europe
- > Three key products marketed in the United States
- > Rapid growth
- > Generating significant cash flow



Today's Key Marketed Products

Provigil®
Excessive Sleepiness

Gabitril® Epilepsy Actiq®
Breakthrough
Cancer Pain









Long Title for the Presentation The Working Title

How to extract real-time Clintrace Oracle data using SAS/Access to Oracle then merge and subset the data to then produce a 3D ActiveX control graph which can be easily pasted into PowerPoint without writing any code using SAS Enterprise Guide...



SAS® Enterprise Guide® A Querying and Reporting Tool

- > Enterprise Guide® (EG) is an easy-to-use Windows application that provides:
 - > An intuitive, visual interface
 - > Access to the power of SAS
 - > Transparent access to data
 - > Ready-to-use tasks for analysis and reporting
 - > Easy exporting of data and results to other applications
 - Scripting and automation
- > Users of all experience levels can produce meaningful results quickly



SAS® Enterprise Guide® The Power of SAS without Programming

- > EG provides a state-of-the-art Windows interface with:
 - > Drag-and-drop functionality
 - > Dialog boxes
 - > Wizards
 - > A color-code syntax editor
 - > A full Online Help facility, embedded context-sensitive help, and Getting Started tutorial
- > This slide and previous slide were taken verbatim from the EG training manual



ActiveX Control A Interactive Graphic Format

- > The ActiveX control output graphic format is interactive
- > This is the default output format from EG
- > Can be viewed in Microsoft Internet Explorer



- > Right-click on graph to change chart type and many other options via Graph Toolbar
- > Is easily inserted into Word, Excel, and **PowerPoint**

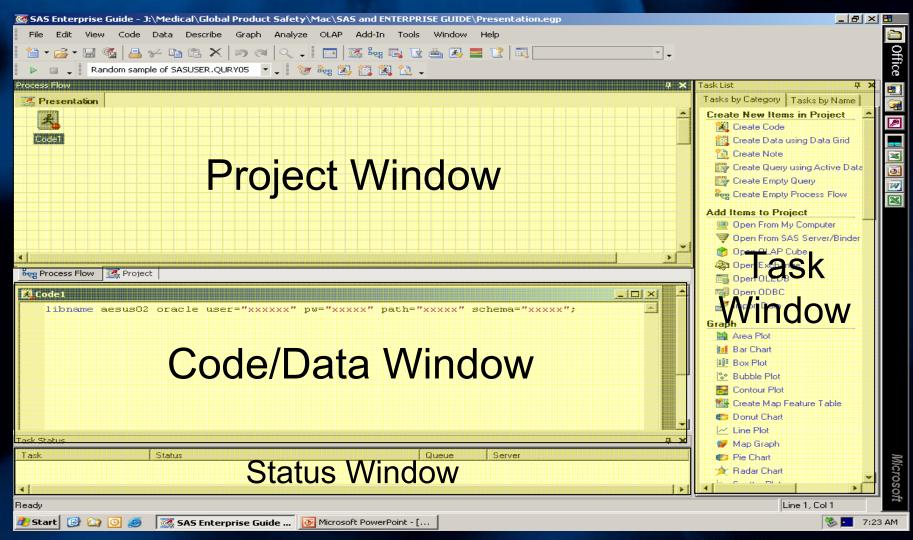


Interface Environment

- > Project Window
 - > Interactive, real time flow chart
- > Task Window
 - > Data retrieval, manipulation and analysis
 - > Summary statistics, tables, graphics
- > Code / Data Window
 - > SAS 9.13
 - > Display of data and output from project window
- > Status Window
 - > Real time display



Interface Environment

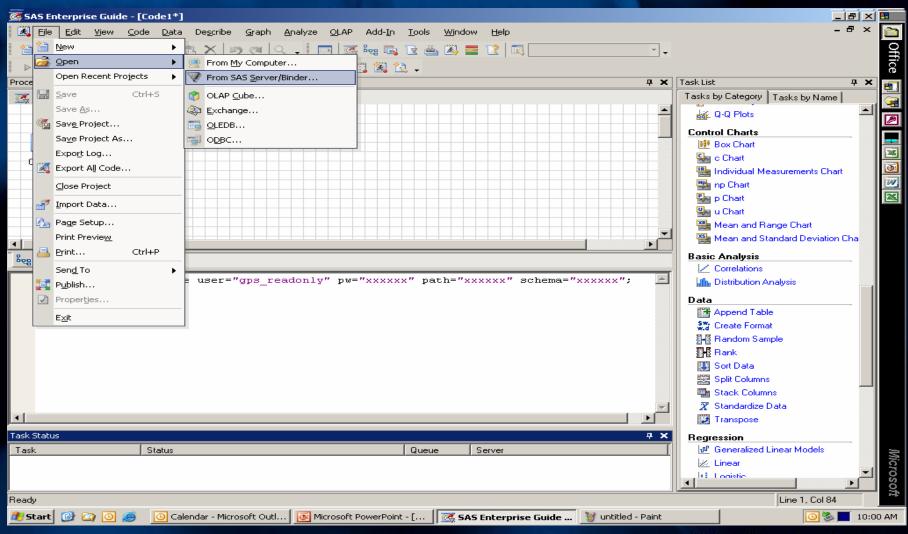


Opening / Importing Database

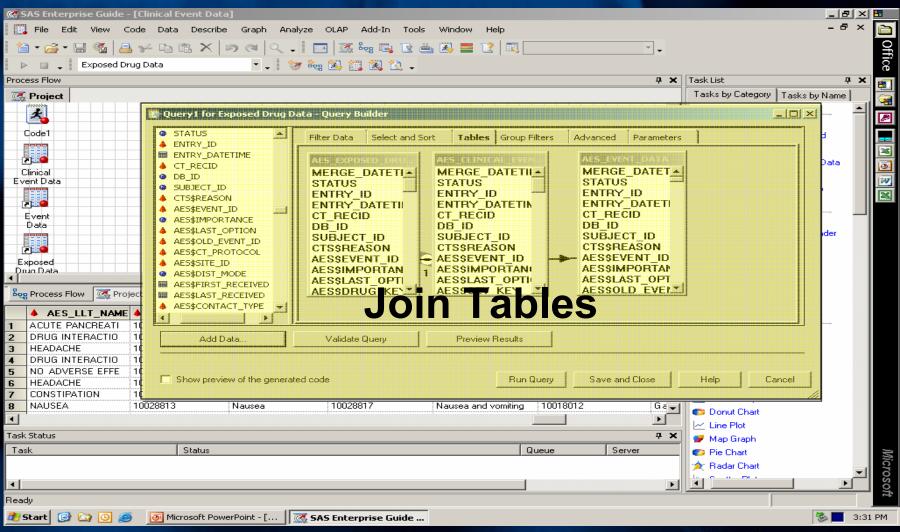
- > Database connectivity
 - > Import data, connect to server via SAS/Access to Oracle
 - > For Example:
 - libname usaes oracle user="readonly" pw="readonly" path="clintrace" schema="USAES";
 - > Remote data accessibility
- > Project flow develops in project window, real time data in code/data window
- > Query, subset and analyze the Data



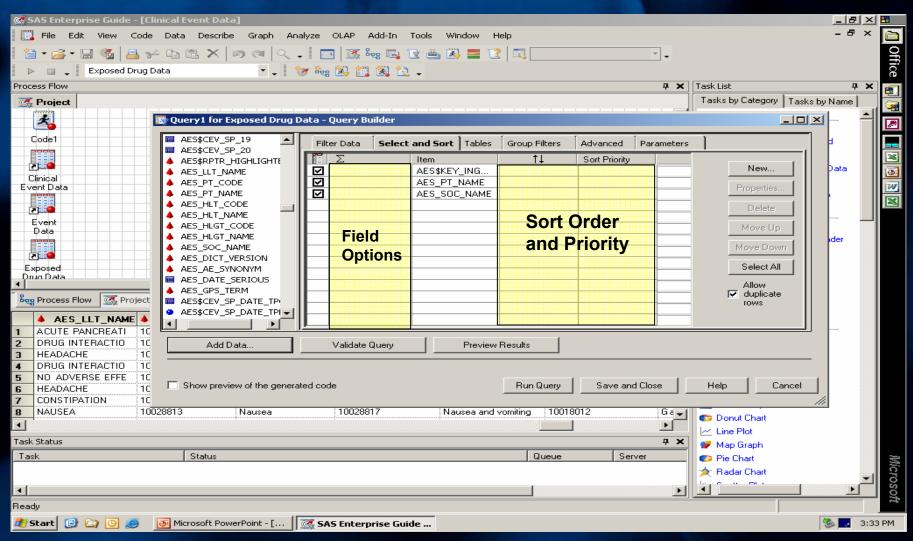
Opening / Importing Database



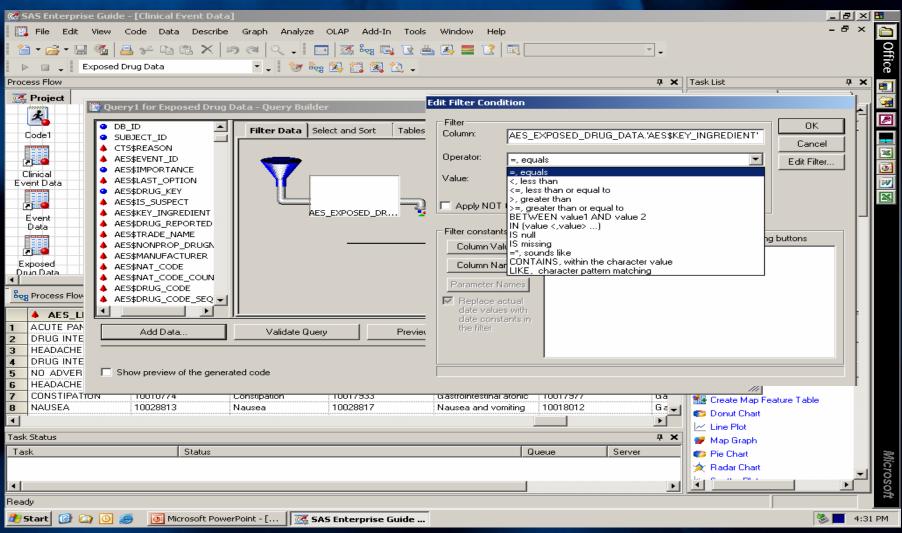
Query Using Active Data



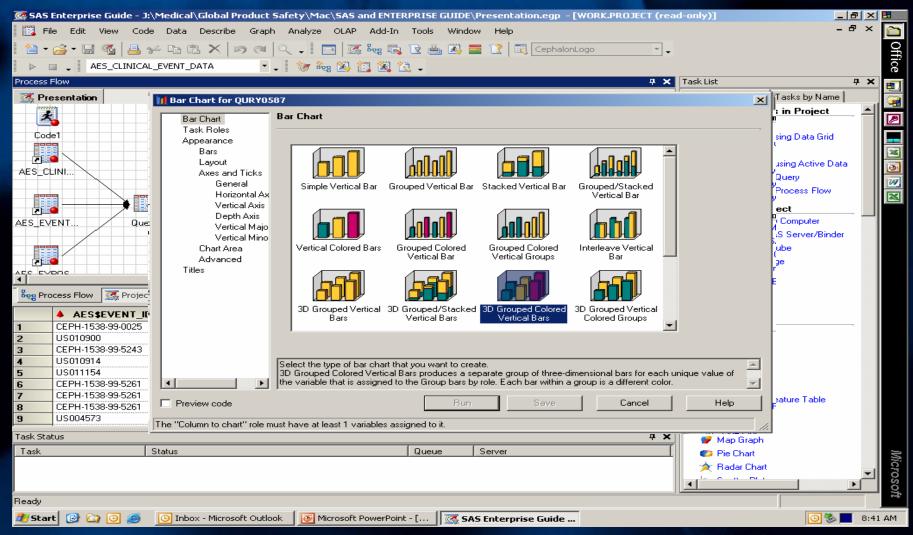
Select and Sort: Choosing Key Fields



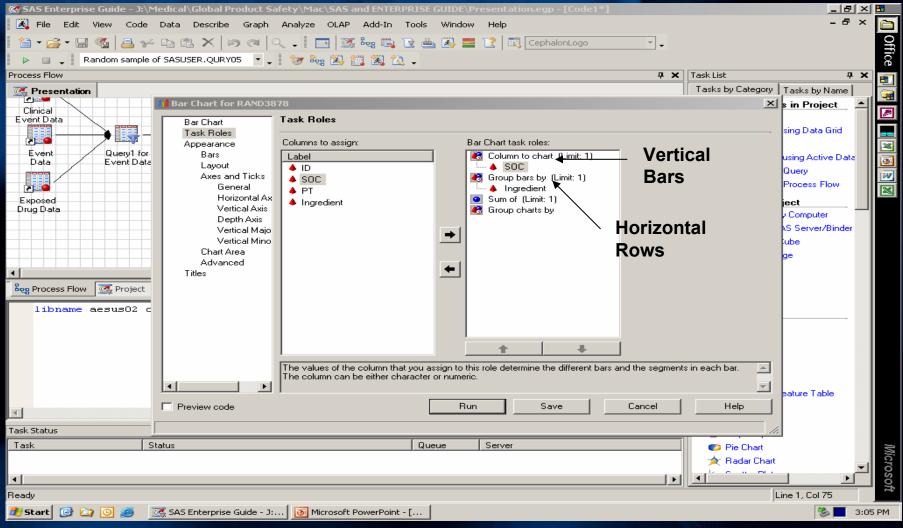
Applying Custom Filters



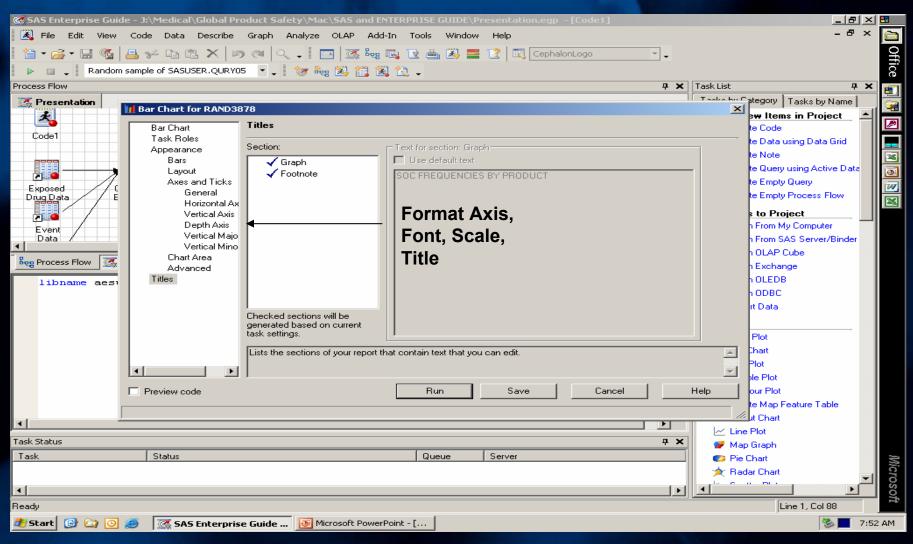
Query Results: Display Output



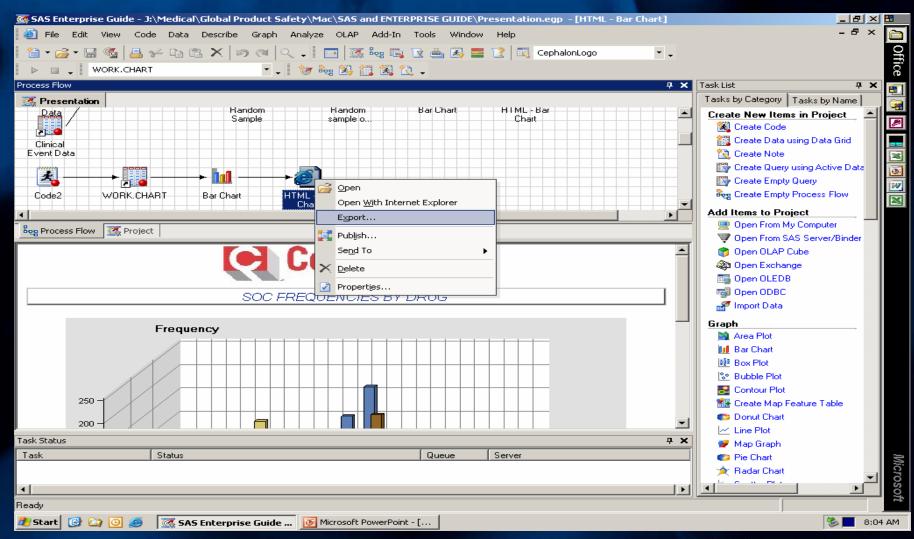
Customizing Output: Assigning Field Tasks



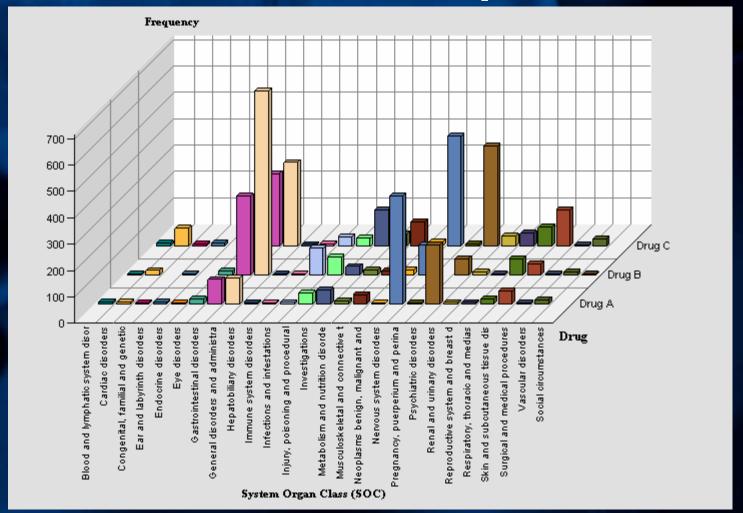
Formatting Final Output



Exporting Final Output



ActiveX Interactive Output





Start Enterprise Guide Demonstration





Conclusion Enterprise Guide Strengths

- > An easy-to-use Windows application that has an intuitive, visual interface and transparent access to ANY data source
- > The code generation helps even experienced SAS users learn more about SAS coding
- > ActiveX, ActiveX, ActiveX, super powerful presentation graphic object
- > Great for Prototyping output and Presentation quality output



Conclusion Enterprise Guide Limitations

- > Users should have some technical/analytical experience to produce meaningful results quickly
- > Publication quality graphs still may not be possible without additional SAS code
- Much slower than SAS, but the application is writing code for the user



Comments/Questions?

