

SAS/GRAPH(R): Essentials

Code:	GR94
Length:	0 days
URL:	View Online

This course teaches you how to produce high-quality presentation graphics using SAS/GRAPH software. The self-study e-learning includes:

- Annotatable course notes in PDF format.
- Virtual Lab time to practice.

Skills Gained

- design graphs that describe data in the most appropriate fashion
- customize default graphic elements such as axes and legends
- apply annotations that supplement the features that are available with SAS/GRAPH procedures
- deliver graphs in multiple formats, such as static image files and client-generated images.

Who Can Benefit

- SAS users who must use SAS program code to generate graphs in batch or noninteractive execution environments, such as SAS Stored Processes, or those who need to produce a large quantity of graphs with minimal user interaction

Prerequisites

- Before attending this course, you should complete the SAS[®] Programming 1: Essentials course or have equivalent programming experience.

Course Details

Course Logistics and Overview

- course logistics

- SAS/GRAPH and ODS graphics
- introduction to SAS/GRAPH
- graph gallery

Graphical Reporting with SAS/GRAPH

-
- how SAS/GRAPH creates output
- SAS/GRAPH program structure
- controlling the appearance of your graphs

Producing Scatter and Line Plots

-
- creating scatter plots
- creating line plots
- creating plots containing multiple lines
- creating other types of plots with individual data points

Producing Bar Charts

-
- creating vertical and horizontal bar charts
- creating grouped and subgrouped bar charts
- creating bar-line charts

Producing Other Types of Charts

-
- creating pie charts
- creating star charts
- creating radar charts
- creating tile charts
- creating key performance indicator charts

Customizing the Appearance of SAS/GRAPH Output

-
- colors and fonts
- customizing common graphics elements
- titles and footnotes
- customizing plot symbols
- specifying chart pattern colors

Customizing Axes and Legends

-
- using procedure options to customize plot and chart axes

- customizing axes with AXIS statements (basic options)
- customizing axes with AXIS statements (additional options)
- customizing legends

Annotating Graphs

-
- introduction to annotating
- defining annotate variables
- using annotate macros
- creating data-dependent annotations

Generating Graphs for Use in Other Applications

-
- creating image files
- creating client-rendered graphs
- creating clickable graphs for the web using ODS

Managing and Replaying SAS/GRAPH Output

-
- storing and naming graphics output
- using the GREPLAY procedure

Learning More

-
- additional SAS resources
- beyond this course

Schedule (as of 4)

Date	Location
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