



SAS Course Content:35-40hours

Course Outline

Getting Started with the SAS System

- overview of the SAS System
- introduction to SAS programs
- running SAS programs
- mastering fundamental concepts
- diagnosing and correcting syntax errors
- exploring the SAS environment (self-study)

Getting Familiar with SAS Data Sets

- explaining the concept of a SAS data library

Producing List Reports

- getting started with PRINT procedure
- sequencing and grouping observations
- identifying observations (self-study)
- using special WHERE statement operators (self-study)

Enhancing Output

- customizing report appearance
- formatting data values
- creating HTML reports

Creating SAS Data Sets



- reading raw data files using column input and formatted input
- examining data errors
- assigning variable attributes
- changing variable attributes (self-study)
- reading Microsoft Excel spreadsheets (self-study)

Programming with the DATA Step

- reading SAS data sets and creating variables
- executing statements conditionally
- dropping and keeping variables (self-study)
- reading date fields from Microsoft Excel spreadsheets (self-study)

Combining SAS Data Sets

- concatenating SAS data sets
- merging SAS data sets
- combining SAS data sets using additional features (self-study)

Producing Summary Reports

- introduction to summary reports
- generating basic summary reports
- using the REPORT procedure
- creating reports using the TABULATE procedure (self-study)

Introduction to Graphics using SAS/GRAPH Software (Self-Study)

- producing bar and pie charts
- enhancing output
- producing plots

Additional Resources Using SAS Enterprise Guide

- creating the files needed for the course
- understanding functional areas in SAS Enterprise Guide
- naming a project
- working with existing code
- resizing windows in SAS Enterprise Guide
- modifying code
- executing SAS code
- viewing SAS Enterprise Guide output

- diagnosing and correcting syntax errors
- creating SAS programs
- accessing data sources with the LIBNAME statement
- renaming a code node in the Process Flow window
- submitting programs
- saving projects
- the Output Delivery System (ODS) and SAS Enterprise Guide
- copying SAS programs within a project

Introduction to Graphics using Enterprise Guide

- producing and modifying a vertical bar chart
- producing and modifying a pie chart
- producing a horizontal bar chart
- producing a two-dimensional plot