

Mastering SAS Analytics Program

Duration- 30 Hours

Module I: SAS Fundamentals Using SAS Enterprise Guide (SAS EG)

Getting Started with SAS Enterprise Guide

- Starting SAS Enterprise Guide
- Getting started
- Course Scenarios

Working with Data in a Project

- Introduction to Tabular Data
- Accessing Local Data
- Importing Text Files
- Editing Tables in the Data Grid

Getting Started with Tasks

- Introduction to Task Dialogs
- Creating a Listing Report
- Creating a Frequency Report
- Creating a Two-way Frequency Report
- Using Variable Parameters (Macros) in Tasks

Creating Graphs

- Create a 3-D Bar Chart
- Create a 3-D Pie Chart
- Create a 2-D Scatter Plot

Creating Simple Queries

- Introduction to the Query Task
- Selecting Columns and Filtering Rows
- Creating New Columns with an Expression
- Creating New Columns by Recoding Values
- Joining Tables
- Joining Tables Including Non-Matching Rows

Module II: Advanced Analytics Using SAS Enterprise Guide (SAS EG)

Descriptive Statistics

- Producing One-Way Frequencies
- Computing Summary Statistics
- Examining the Distribution
- Computing Correlations

Creating Summarized Output

- Generating Summary Statistics
- Creating and Applying Custom Formats
- Creating a Tabular Summary Report
- Creating a Graph

Advanced Queries

- Controlling Query Output
- Creating Parameterized Queries
- Grouping and Filtering Data In a Query

ANOVA

- One Way ANOVA
- Factorial Analysis of Variance
- Linear Models

Working with Results and Automating Projects

- Customizing the Output Style
- Combining Results
- Updating Results

Regression

- Simple Linear Regression
- Multiple Linear Regressions
- Logistic Regression

Multivariate Techniques

- Simple Principal Components Analysis
- Canonical Correlation