Advanced Enterprise Guide

Course Summary

Description

This course is intended for experienced SAS Enterprise Guide users who want to learn more about advanced SAS Enterprise Guide techniques. It focuses on using the Query Builder within SAS Enterprise Guide, including manipulating character, numeric, and date values; converting variable type; and building conditional expressions using the Expression Builder. This course also addresses efficiency issues, such as joining tables and using a single query to group, summarize and filter data.

Objectives

After taking this course, students will be able to:

- Use tasks to transpose, stack, rank, and create a random sample of your data
- Use functions to convert the data type from character to numeric and from numeric to character
- Use conditional logic in the Query Builder to create new columns
- Use multiple value prompts

Topics

- Introduction
- Using the Data Menu
- Using Functions in the Query Builder
- Prompting and Conditional Processing
- Recoding Data
- Grouping and Filtering
- Learning More
- Additional Query Topics

Audience

This course is designed for experienced SAS Enterprise Guide users.

Prerequisites

Both non-programmers and experienced programmers taking this course, should have SAS Enterprise Guide experience.

Duration

Two days
Advanced Enterprise Guide

Course Outline

I. Introduction
   A. Course overview

II. Using the Data Menu
   A. Append Tables task
   B. Split Columns task
   C. Stack Columns task
   D. Random Sample task
   E. Sort Data task

III. Using Functions in the Query Builder
   A. Introduction to SAS functions
   B. Manipulating numeric values
   C. Manipulating character values
   D. Converting data type

IV. Prompting and Conditional Processing
   A. Multiple values prompts
   B. Range prompts
   C. Conditional processing of project steps

V. Recoding Data
   A. Recoding values
   B. Recoding values based on a condition
   C. Writing CASE expressions
   D. Creating and applying custom formats

VI. Grouping and Filtering
   A. Grouping and summarizing data
   B. Including detail and summarized data
   C. Filtering summarized data in groups

VII. Learning More
    A. SAS resources

VIII. Additional Query Topics
     A. Query options
     B. Querying DBMS tables