

Length: 2 Days / 4 Half Days

Overview: The course is mostly lecture with some time for exercises, demonstrations and working on Problems students bring to class. Multiple workshops are found in each chapter. This course includes many new functions that ship with SAS9. Comprehensive textbooks for students are included in the course fee.

Introduction to Data Management

- Course Overview
 - Understanding the DATA step
 - Review of Program Flow
 - Review of Basic Concepts
 - Accumulating Running Totals

Using SAS Function

- How to manipulate numeric values
- How to manipulate character values
- How to use functions for data conversion
 - Transforming Character values to Numeric
 - Transforming Numeric values to Character
 - How to use other useful functions
 - Using functions to clean dirty data.

Iterative Processing

- How to read data with DO loops
- Generating data with DO loops
- Typical SAS applications using DO loops.

Creating Your Own Formats

- How to use PROC FORMAT to create formats as well as informats
- Using a Picture statement
- Creating Permanent FORMATS
- Using Datasets to Create Formats.

Prerequisites

- SAS Users who have taken SAS I and want to further their SAS skills.

Reading, Combining, and Using SAS Data Sets

- How to use special tools to read a SAS data set
- How to perform complex joins with the SAS System
- How to use special tools while joining SAS data sets
- How to perform random sampling with the SAS System (with and without replacement)
- Using SAS data sets to do table lookup applications.

Introduction to Report Writing

- What is a report
- Types of Reports generated with SAS
- Report Writing options
- An in depth look at the PRINT procedure
- Utility procedures for enhancing reports
- Exercises / Workshop

Moving Data Into and Out of SAS

- An in depth view of PROC IMPORT and PROC EXPORT
- Other methods for moving data

Transposing Data

- Creating one observation from many, and creating many observations from one.

Materials

- All students will receive slides with lecture material and data.
- Related data and lab files will be provided

Other SAS courses available: SAS I, SAS III