

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. Comprehensive textbooks for students are included.

Basic Efficiency Techniques

- Execute only necessary statements
- Eliminate unnecessary passes of the data, read and write only data that you need
- Data storage efficiencies
- Using Data set indexes for efficiency

Using Advanced Functions

- Introduction to the FIND, LAG and COUNT family of functions
- Some of the Pattern matching functions are examined

Advanced DO Loop Applications

- This chapter looks at more complex DO Loop applications than were covered in the SAS II course

Using Arrays to Manipulate Data

- Introduction to SAS Array processing. One and two dimensional arrays are covered

- Using Arrays and direct access to SAS data sets to perform table lookup
- A look is also given to special functions used in Array processing.

Introduction to Hash Objects

- Declaring and Defining Hash Objects
- Finding Key Values in Hash Objects
- Writing a Hash Object to a Table
- Using Hash Iterator Objects.

Using the FCMP Procedure to Create Custom Functions

- Introduction to the FCMP Procedure
- Creating Functions with 1 argument
- Creating Functions with more than one argument
- Creating Numeric Functions and Character Functions

Prerequisites

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

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 II