

Application Development II: Using SAS/AF® Software

Duration: 3.0 days

CEUs: 1.8

AUDIENCE

This course is designed to teach programmers how to create advanced applications using FRAME technology. This course is an intense study of creating frame applications. On-line demonstrations of all available methods are explored. Topics include classes, methods, subclasses, advanced SCL programming and more. This course is highly recommended for those interested in developing applications using the powerful tools available with SAS/AF® in a GUI environment.

BENEFITS

Students will learn about;

- SAS Component Language
- Classes
- Methods
- Subclassing
- Opening, closing and updating SAS data
- Creating your own classes
- Advanced techniques in the development environment

PREREQUISITES

Application Development I: Using SAS/AF® Software or equivalent understanding

COURSE TOPICS

FRAME Entry Development

- Creating Frames
- What are Models
- How Viewers are used with models
- What is an Object
- How classes can be used

SAS Component Language

- SCL Entries
- Debugging SCL
- Attributes and Instance Variables

Using Viewers

- Data Forms
- Data Tables
- Graph Output Viewers
- Graphics Chart Viewers

Table and Form Updating

- Changing values in the viewer
- Verifying information in the viewer

Advanced Interface Topics

- Setting up drag and drop capabilities
- Using menus
- Advanced table and form attributes
- Analyzer tools

Advanced Class Topics

- Subclassing
- Tracking resources
- Using non-standard SAS classes
- Working with Regions and Attachments

Understanding Models

- The model/viewer paradigm
- Building models
- Connecting the model with the viewer

Deploying the Application

- Documentation
- Operating system installation

Software Used: Base SAS, SAS/AF® and SAS/GRAPH® Software