



Advanced SAS Macro One Day

Audience

Programmers who wish to extend their knowledge of the SAS Macro Language. The course focuses specifically on applying best practices when developing macros, advanced DATA step techniques and the use of SAS file I/O functions.

Prerequisites

This course is intended for those who have previously attended the SAS Macro course or who have equivalent knowledge. Additionally, we recommend that attendees have six months of regular SAS programming experience which includes the use of SAS Macro Language, to gain the most benefit from this course.

Objectives

After one day of instructor lead tuition attendees will be able to:

- Apply best practices when designing and programming SAS macros;
- Understand when to use advanced DATA step functions to work with SAS Macro Language;
- Ensure macros developed are resilient and robust;
- Use advanced SAS file input and output functions with SAS Macro Language.



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Topics

AM1 SAS Macro Best Practices

- > Writing Reusable Macros
- > Modular Programming
- > Design Considerations
- > Passing Values between Macros
- > Debugging

AM2 SAS I/O Functions

- > Introduction
- > Using Table Functions
- > Using Directory Functions
- > Using File Functions

AM3 Programming Resilient Macros

- > Parameter Validation
- > Macro Quoting Functions

AM4 Advanced DATA Step Techniques

- > Call EXECUTE
- > Call SET
- > RESOLVE Function (Optional)
- > DOSUBL Function (Optional)