

## Intermediate SAS<sup>®</sup> for Statisticians

**Course Length:** 2 days **CEUs** 1.2

**Format:** Hands on Training

### AUDIENCE

Statisticians who want to learn how to use SAS software.

### BENEFITS

This is the second part of a two part series for Statisticians. Further data manipulation techniques are introduced allowing Statisticians to check and validate their data. The use of formats allows attendees to analyze data in groups. The course covers the more commonly used data analysis procedures found in SAS/STAT<sup>®</sup> software

### PREREQUISITES

Introduction to SAS for Statisticians or Programming I: SAS Essentials course.

### COURSE TOPICS

- Using Libnames
- Setting up your SAS System and Managing your Data
- The Data Step
- Using Where, Keep, Drop and Rename
- Character/Numeric Conversion
- Functions and Formats
- Counts and Labels
- Accumulating Values
- Creating and Storing Formats
- Informats and Proc Format
- Analysis of Variance
- Proc UNIVARIATE
- Proc ANOVA
- Proc TTEST
- General Linear Modeling (GLM)
- Randomized Block Designs
- Proc NPAR1WAY
- Frequency Analysis (FREQ)
- Chi Square Distributions
- Questionnaire Analysis
- Analysis of Stratification
- Multivariate Analysis
- Factor Analysis
- Principal Components Analysis
- Discriminate and Cluster Analysis