



Noble Software Consulting IT Training

SAS COURSE OVERVIEW

SAS (Statistical Analysis System) is a powerful statistical package that runs on Windows and Unix platforms. This course designed for people who are just getting started using SAS. The students in the class will have a hands-on experience using SAS for statistics, graphics, and data management.

SAS COURSE OUTLINE- 20 HRS

Introduction

1. The company and the software
2. Statistical software V8 On Windows environment
3. Simple programs

Basic concepts

1. Sessions, steps, temporary/permanent dataset, dataset name, observations, variables, naming conventions, char, numeric, date, ending comments, documentations, options for sessions/steps/statements etc.

Data Input

1. Input methods: list, column, formatted, named, and mixed, default delimiter
2. Column pointer, line pointer, repeated read, implicit data step loop
3. Length, informat statements
4. External files, filename, infile
5. Input modifiers, infile options
6. Do loop input, output
7. Proc import
8. Import wizard

Simple Output

1. Proc print, sort, contents, format
2. Proc mean, summary, univariate, freq
3. Proc report

Language elements

1. Operators, expressions
2. Functions for date, numeric, char
3. Conditional statements if, where, select

Objectives:

1. Sort, First./Last., and retain
2. Array and loop
3. Variable regrouping

Dataset combination

1. Stacking with set, append
2. Interleaving with set by
3. Merge
4. Update master set with transaction

Dataset transformation

1. By proc transform
2. By array

Introductory to Proc SQL

1. Create table
2. Insert
3. Update
4. Select
5. Dataset combination with SQL vs. with data step

Macro by sample

1. Macro variable
2. Macros programming
3. Macro functions

Summary report Proc tabulate

1. Summary report
2. Proc report

Samples of statistics procedures

1. Ttest
2. Anova
3. Corr
4. Reg

Samples of Drawings

1. Plot
2. Chart