

SAS Report Writing Workshop

Course Summary

Description

This course covers the report writing capabilities of the base SAS software. Procedures that produce both detail and summary reports will be discussed along with the creating of customized reports in the DATA step. The course will cover the use of summary SAS datasets created in summary procedures to produce customized summary reports. The class will review the use of the DATA step to create, subset, and merge SAS datasets.

Objectives

At the completion of this course, the student will be able to:

- Produce detail and summary reports
- Produce summary SAS datasets
- Produce formatted and customized reports
- Produce simple graphs and charts
- Create schedule and daily calendars
- Generate multiple reports in one SAS DATA step

Topics

- Overview of SAS
- Detail reports
- Summary reports FREQ / MEANS
- Summary reports SUMMARY /
- Proc REPORT
- Syntax
- Customized reports
- Reports

Audience

This course is designed for SAS programmers or analysts.

Prerequisites

The student should have a working knowledge of SAS fundamentals, operating environment and system editor (such as TSO/ISPF)

Duration

Three days

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Course Outline

- I. Overview of SAS: Terminology, Features, Functions**
- II. Detail Reports**
 - A. PROC PRINT
 - B. Selected statements
 - C. Sort
 - D. VAR / ID / SUM
 - E. Grouping BY / SUMBY
 - F. LABEL, TITLE / FOOTNOTE
 - G. Automatic variables
 - H. PROC FORM
- III. Summary Reports FREQ / MEANS**
 - A. PROC FREQ
 - B. Summary reports
 - C. TABLES statement
 - D. Using formats
 - E. Ordering output
 - F. LIST option
 - G. PROC MEANS
 - H. BY groups
 - I. Summary statistics
 - J. ID statement
- IV. Summary Reports SUMMARY /**
 - A. TABULATE
 - B. PROC SUMMARY
 - C. Statistics, multi level
 - D. Calculations between levels
 - E. PROC TABULATE
 - F. Hierarchies, calculations
 - G. Column / row totals
- V. Proc REPORT: Basic Report - Non Windowing**
- VI. Syntax**
 - A. DEFINE and COMPUTE
 - B. Sorting and formatting
 - C. Grouping, BREAK, BY statements
 - D. Multi column reports
- VII. Customized Reports**
 - A. PUT statements in the data step
 - B. File statement
 - C. Pointer controls
 - D. Creating a customized report
 - E. Summary reports, multiple
- VIII. Reports: DO Loops**