



Gupta Programming
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SAS® Essentials (Introduction to SAS) – NEW!

COURSE DESCRIPTION

Looking to getting started using one of the most powerful software tools available for data management and analysis? This course will introduce SAS by providing the key concepts required to understand the basics of the SAS programming language. All major topics are covered including accessing data, creating data structures, managing data, generating reports and ODS. Simple task-oriented examples are used to explain the SAS syntax for the DATA Step and SAS Procedures.

OUTLINE

Understanding SAS and the Data Step

Understanding typical tasks to perform using SAS Software

Understanding how SAS works

Using SAS Windows: Results, Explore, Editor, Output, Log, On-line Help

Working with SAS Files

Data Access

Accessing data sets – approach, permission, SAS Viewer (LIBNAME)

Viewing your data – numeric, character, dates

Importing data from Excel (PROC IMPORT)

Data Management

Using the Data Step to create data sets (DATA STEP)

Selecting Variables to restrict information (KEEP/DROP)

Selecting Observations to subset data – numeric, character, dates (WHERE)

Creating Variables – numeric, character, dates (LENGTH)

Merging Data sets together to create new data sets

By statement (common variables)

Using SAS Procedures

Reviewing the Requirements

Data Analysis

PROC Step Elements

Understanding the data set structure with PROC CONTENTS

Displaying data with PROC PRINT

Sorting data with PROC SORT

Summarizing data with PROC FREQ

Displaying descriptive statistics with PROC MEANS

Data Presentation

Creating Excel, RTF, PDF and HTML files with ODS

E-mailing files to a distribution list

Exporting data to Excel with ODS

Course Length: 4-Hour Course