
PROGRAM MODULES:

Detail program schedule is given below:

BASE SAS: SAS ESSENTIALSChapter-1**Introduction**

- 1.1 An Overview of the SAS System

Chapter-2**Getting Started With the SAS® System**

- 2.1 Introduction to SAS Programs
- 2.2 Running SAS Programs
- 2.3 Mastering Fundamental Concepts
- 2.4 Diagnosing and Correcting Syntax Errors
- 2.5 Exploring Your SAS Environment

Chapter-3**Getting familiar with SAS Data Sets**

- 3.1 SAS Data Libraries

Chapter-4**Producing List Report**

- 4.1 Getting Started With the PRINT Procedure
- 4.2 Sequencing and Grouping Observations
- 4.3 Identifying Observations
- 4.4 Special WHERE Statement Operators

Chapter-5**Enhancing Output**

- 5.1 Customizing Report Appearance
- 5.2 formatting Data Values
- 5.3 Creating HTML Reports

Chapter-6**Creating SAS® Data Sets**

- 6.1 Reading Raw Data Files: Column Input
- 6.2 Reading Raw Data Files: Formatted Input
- 6.3 Examining Data Errors
- 6.4 Assigning Variable Attributes
- 6.5 Changing Variable Attributes
- 6.6 Reading Excel Spreadsheets

Chapter-7**DATA Step Programming**

- 7.1 Reading SAS Data Sets and Creating Variables
- 7.2 Conditional Processing
- 7.3 Dropping and Keeping Variables
- 7.4 Reading Excel Spreadsheets Containing Date Fields

Chapter-8**Combining SAS Data Sets**

- 8.1 Concatenating SAS Data Sets
- 8.2 Merging SAS Data Sets
- 8.3 Combining SAS Data Sets : Additional Features

Chapter-9**Producing Summary Reports**

- 9.1 Introduction of Summary Reports.
- 9.2 Basic Summary Reports
- 9.3 The Report Procedure
- 9.4 The Tabulate Procedure

Chapter-10**Introduction to Graphics**

- 10.1 Producing Bar and pie Chart
- 10.2 Enhancing output
- 10.3 Producing Plots

SAS Programming II

Chapter-1

Introduction

- 1.1 Overview
- 1.2 Review of SAS basics
- 1.3 Review of DATA Step Processing
- 1.4 Review of Displaying SAS Data Sets
- 1.5 Working with Existing SAS Data Sets

Chapter-2

Controlling Input and Output

- 2.1 Outputting Multiple Observations
- 2.2 Writing to Multiple SAS Data Sets
- 2.3 Selecting Variables and Observations
- 2.4 Writing to an External File

Chapter-3

Summarizing Data

- 3.1 Creating an Accumulating Total variable
- 3.2 Accumulating Totals for a Group of Data

Chapter-4

Reading & Writing Different Types of Data

- 4.1 Reading Delimited Raw Data Files
- 4.2 Controlling When a Record Loads
- 4.3 Reading Hierarchical Raw data Files

Chapter-5

Data Transformations

- 5.1 Introduction
- 5.2 Manipulating Character values
- 5.3 Manipulating Numeric values
- 5.4 Manipulating Numeric values based on Dates
- 5.5 Converting variable Type

Chapter-6

Debugging Techniques

- 6.1 Using the PUT Statement
- 6.2 Using the DEBUG Option

Chapter-7

Processing Data Iteratively

- 7.1 Do Loop Processing
- 7.2 SAS Array Processing
- 7.3 Using SAS Arrays

Chapter-8

Combining SAS® Data Sets

- 8.1 Match-merging Two or more SAS Data Sets
- 8.2 Simple Joins Using the SQL Procedure