

SAS® Programming 1 for High School Objectives

Chapter 1 Overview of SAS

- 1.1 Overview of SAS
- 1.2 SAS Certification
- 1.3 Working with Data
- 1.4 Data for This Class
- 1.5 Exploring Data in SAS

Chapter 2 Getting Started with SAS®

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

Chapter 3 Getting Familiar with SAS® Data Sets

- 3.1 SAS Libraries
- 3.2 Exploring Your SAS Environment

Chapter 4 Producing List Reports

- 4.1 Getting Started with the PRINT Procedure
- 4.2 Sequencing and Grouping Observations
- 4.3 Reading the SAS Log

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: Formatted Input
- 6.2 Examining Data Errors
- 6.3 Assigning Variable Attributes
- 6.4 Reading Delimited Raw Data Files
- 6.5 Reading Raw Data with Missing Values
- 6.6 Reading Raw Data with the Import Wizard

Chapter 7 DATA Step Programming

- 7.1 Reading SAS Data Sets and Creating Variables
- 7.2 Conditional Processing

Chapter 8 Producing Summary Reports

- 8.1 Introduction to Summary Reports
- 8.2 Creating Summary Reports with PROC FREQ
- 8.3 Creating Summary Reports with PROC MEANS

Chapter 9 Controlling Input and Output

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- 9.1 Outputting Multiple Observations
- 9.2 Writing to Multiple Data Sets
- 9.3 Selecting Variables and Observations

Chapter 10 Summarizing Data

- 10.1 Creating an Accumulating Total Variable
- 10.2 Accumulating Totals for a Group of Data

Chapter 11 Reading Different Raw Data Files

- 11.1 Controlling When a Record Loads

Chapter 12 Data Transformations

- 12.1 Reviewing SAS Functions
- 12.2 Manipulating Character Values
- 12.3 Manipulating Numeric Values
- 12.4 Manipulating Numeric Values Based on Dates
- 12.5 Converting Variable Type

Chapter 13 Processing Data Iteratively

- 13.1 DO-Loop Processing
- 13.2 SAS Array Processing
- 13.3 Using SAS Arrays

Chapter 14 Combining SAS® Data Sets

- 14.1 Concatenating SAS Data Sets
- 14.2 Merging SAS Data Sets
- 14.3 More Match-Merging Two or More SAS Data Sets
- 14.4 Many-to-Many Merges
- 14.5 Simple Joins Using the SQL Procedure

Chapter 15 Introduction to Graphics

- 15.1 Producing Bar and Pie Charts

Additional Material

I will have available additional material for students that is not in the SAS Programming I Curriculum. This material is for students who are ahead in the course and would like to learn more advanced features of SAS.

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