e-Learning Introduction to SAS Training Content

BASE 3 SYSTEMS
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Course Aims

The goals of this course are to:

- Familiarise delegates with the SAS System.
- Demonstrate what the SAS System is and what it is used for.
- Demonstrate the windows that will be used.
- Show how to submit, recall and debug programs.
- Show how to obtain help.
- Demonstrate how to store and retrieve programs and data sets.
- Show how to customise SAS Sessions.
- Introduce utility procedures such as PROC FREQ.

Duration

1 day

Required Knowledge

No previous programming knowledge is assumed

Introduction Course

1. Background
        1.1 The SAS System
                - Starting a SAS Session
                - Enterprise Guide Users

2. Navigation
        2.1 The SAS Environment
                - Overview of the SAS Environment
        2.2 The Explorer & Results Windows
                - Explorer Window
                - Results Window
        2.3 The Log & Output Window
                - Log Window
                - Output Window
                - Results Viewer
        2.4 The Program & Enhanced Program Editor Windows
                - Program Editor Window
                - Enhanced Editor Window
                - Customising your Enhanced Editor
                2.4 Exercises
                2.4 Solutions
        2.5 Submitting a SAS Program
                - Running SAS programs
                - Recalling a SAS Program
                - Examining Log and Results Windows
                - Halting Program Execution
                2.5 Exercises
                2.5 Solutions

3. Obtaining Help
        3.1 The SAS System Help

4. Working with SAS Data
        4.1 SAS Data Sets & Libraries
                - SAS Data
                - Assigning Librefs
                - Exploring SAS Libraries, SAS Catalogs and SAS Data Sets
                - Copying SAS Data Sets
                4.1 Exercises
                4.1 Solutions
        4.2 Basic Objects & Principles of SAS Programming
                - Global Statements
                - The Assignment Statement
                - SAS Variable Types – Numeric (including Dates) and Character
                - SAS Operators