

BASE SAS

Syllabus

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Module1- SAS Essentials

SAS Essentials

- SAS Programming process
- Using SAS Programming tool
- Understanding SAS Syntax
- Assignment

Accessing Data

- Understanding SAS data
- Accessing data through libraries
- Importing data into SAS
- Assignment

Analyzing Data

- Exploring data
- Filtering rows
- Formatting columns
- Sorting data and removing duplicate values
- Assignment

Preparing Data

- Reading and filtering data
- Computing new columns
- Character functions
- Numeric / Date function
- Assignment

Analyzing and Reporting on Data

- Enhancing report with Title, Footnote and Labels
- Assignment

Exporting Result

- Exporting Data to an Excel, PDF, CSV etc.
- Assignment

Module2- Data Manipulation Techniques

Controlling DATA step Processing

- Understanding DATA step Processing
- Directing DATA step output

Summarizing Data

- Creating an Accumulating Column
- Processing data in groups
- Assignment

Manipulating Data with Functions

- Understanding SAS Functions and CALL routine
- Using Numeric functions
- Shifting Date values
- Character functions
- Using special function for column conversion
- Assignments

Creating Custom Formats

- Creating and using Formats
- Creating custom formats from tables
- Assignment

Combining Tables

- Concatenating tables
- Merging tables
- Identifying matching and nonmatching rows
- Assignment

Processing Repetitive Code

- Using Iterative DO loops
- Using Conditional DO loops
- Assignment

Restructuring Tables

- Restructuring data with the DATA step
- Assignment

Report Generation

- Report generation Proc report
- Assignment

Using SQL in SAS

- Using Structured Query Language in SAS
- Table creating
- Function Apply in SQL
- Joining Tables with PROC SQL
- Assignment

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