
Dhitos (A unit of Dhitos Digate Private Limited) is a training, development and consulting organization where we conduct various Job Oriented Practical Training Programs for MIS / Business Analysis / Data Analyst / Business Analytics / Data Scientist / Data Visualization / Data Validation and more on various tools by Industry Experts.

SAS Base: Topics Covered

- **Environment & Tools of SAS**

Introduction to SAS, SAS Environment, Why SAS?, Security & Setup, How to Compact & Repair Modules, Naming Conventions, Common Shortcuts, Characteristics of SAS Programs, Layout of SAS Programs, SAS Log, SAS Output, Comments, Titles & Footnotes, Creating HTML Output

- **Understanding Data Step Processing**

Program Data Vector (PDV), Compilation Phase, Descriptor Information, Execution Phase, Creating & Deleting File Shortcuts, Browsing & Submitting File Shortcuts for a SAS Program, System Options, Global Options, Drop, Keep, Compress

- **Accessing Data & Data Sets**

Assigning a Libref using Libname, Making the connection, Referencing Files in SAS Libraries, Format & Informat, Date & Time Formats, Numeric Formats, Character Formats, Pointer, Input/Output Methods, INFILE statement options to control processing, FORMATTED and LIST input to read raw data files, Options (DSD, MISSEVER, LRECL, OBS, OUTFILE, DBMS) etc., Various components of an INPUT statement to process raw data files including column and line pointer controls, Trailing @ controls, Combining SAS Data Sets, Access & Excel Workbooks, Reading Messy Raw Data, Reading part of the data

- **Creating Data Structures**

Data Types & Variables, Automatic Variables, SAS Datasets, Descriptor Portion, Data Portion, Create temporary and permanent SAS data sets, Create and manipulate SAS Date values, Export data to create standard and comma-delimited raw data files, Control which observations and variables in a SAS data set are processed and output

- **Functions & Formulas**

Arithmetic Functions, String Functions, Data & Time Functions, ABS, INT, Floor, Ceil, Round, Max, Min, Sum, Mean, Mod, SQRT, Std., Log, Log10, Exp, N, NMiss, Missing, Largest, Smallest, Lag, Dif, Compress, Compbl, Index, Substr, Scan, Translate, Transwrd, Trim, Left, Strip, UpCase, LowCase, PropCase, Input, Put, Length, Cat, Find, Compare, Today, Day, Hour, Weekday, Date, Datepart, DateTime, Intck, Intnx, MDY, TimePart, Year, Month, Qtr, DateJul, YrDif, Retain Statements, Comparison & Logical Operators, If & Where statements

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SAS Base: Topics Covered

- **Data Management**

Proc Print, Proc Contents, Proc Freq, Proc Sort, Proc Format, Proc Append, Proc Means, Proc Datasets, Investigate SAS data libraries using base SAS utility procedures, Sort observations in a SAS data set, Conditionally execute SAS statements, Use assignment statements in the DATA step, Modify variable attributes using options and statements in the DATA step, Accumulate sub-totals and totals using DATA step statements, Use SAS functions to manipulate character data, numeric data, and SAS date values. Use SAS functions to convert character data to numeric and vice versa, Process data using DO LOOPS, Process data using SAS arrays, Validate and clean data

- **Data Massaging & Scrubbing**

Use SAS functions to manipulate character data, numeric data, and SAS date values. Use SAS functions to convert character data to numeric and vice versa, Process data using DO LOOPS, Process data using SAS arrays, Validate and clean data

- **Generating Reports**

Proc Summary, Proc Transpose, Proc Report, Proc Tabulate, Generate summary reports and frequency tables using base SAS procedures, Enhance reports through the use of user-defined formats, titles, footnotes and SAS System reporting, Generate reports using ODS statements

- **Handling Errors**

Identify and resolve programming logic errors, Recognize and correct syntax errors, Examine and resolve data errors

- **Interview Questions & Doubts**

Doubt Clearance, Mock Interviews, Interview Question-sets

Course Duration & Fee Structure

Days	Course Duration	Class Duration	Fee (INR)*
Monday to Friday	30 to 35 (Hrs.) / 3 Weeks	2 Hours / Day	12,000/-
Saturday & Sunday	30 to 35 (Hrs.) / 1.5 Months	3 Hours / Day	12,000/-
Sunday Only	30 to 35 (Hrs.) / 2 Months	4 Hours / Day	12,000/-

Go for a combo to avail 10% discount on total fee: (*GST Applicable)

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SAS Base: Topics Covered

SAS (Statistical Analysis System) is a software suit developed by SAS Institute. This is the most stable tool and preferred by fortune 500 companies for Analytical Solutions. This can take an existing solution and transform it to a very professional one. Now SAS Skills have an edge for an Analytics Career Boost

Best Regards,

Dhitos Consulting Team