PHILLOS INSTITUTE

Near uphara darshini, Jayanagar 3rd block, Bangalore, Karnataka, India. – 11
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SAS Course (Base & Advanced) Out Line

What are the prerequisites for learning SAS?

What if I say nothing ? Yes, there is no such prerequisite needed to learn SAS. You can start right away. But I'd suggest you should learn following skills. (Optional)

1. SQL (Optional)
2. Advanced Excel (Optional)

Having knowledge of above mentioned skills going to help you to understand SAS more effectively.

Duration : 30 to 45 days **Per day 1 hour (Monday to Friday)**
(Fast Track 7-10 days classes are also available)
(Weekend Class Also Available only Saturday)
Timings : Starts from 11:30 AM to 8.00 pm we have batches
Course completion certificates will be provided from Institute after the course.

Course Details

PFA for course outline...

Introduction
course logistics
overview of Foundation SAS
SAS syntax review
navigating the SAS windowing environment (self-study)

Getting Started with SAS
introduction to SAS programs
submitting a SAS program

Working with SAS Syntax
mastering fundamental concepts
diagnosing and correcting syntax errors

Getting Familiar with SAS Data Sets
examining descriptor and data portions
accessing SAS data libraries
accessing relational databases (self-study)

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Reading SAS Data Sets
introduction to reading data
using SAS data as input
subsetting observations and variables
adding permanent attributes

Reading Excel Worksheets
using Excel data as input
doing more with Excel worksheets (self-study)

Reading Delimited Raw Data Files
using standard delimited data as input
using nonstandard delimited data as input

Validating and Cleaning Data
introduction to validating and cleaning data
examining data errors when reading raw data files
validating data with the PRINT and FREQ procedures
validating data with the MEANS and UNIVARIATE procedures
cleaning invalid data

Manipulating Data
creating variables
creating variables conditionally
subsetting observations

Combining SAS Data Sets
introduction to combining data sets
appending a data set (self-study)
concatenating data sets
merging data sets one-to-one
merging data sets one-to-many
merging data sets with nonmatches
Enhancing Reports

using global statements
adding labels and formats
creating user-defined formats
subsetting and grouping observations
directing output to external files

Producing Summary Reports
using the FREQ procedure
using the MEANS procedure
using the TABULATE procedure (self-study)

Introduction to Graphics Using SAS/GRAPH (Self-Study)
creating bar and pie charts
creating plots
enhancing output

Controlling Input and Output
outputting multiple observations
writing to multiple SAS data sets
selecting variables and observations

Summarizing Data

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creating an accumulating total variable
accumulating totals for a group of data

Reading Raw Data Files
reading raw data files with formatted input
controlling when a record loads
additional techniques for list input (self-study)

Data Transformations
manipulating character values
manipulating numeric values
converting variable type

Debugging Techniques
using the PUTLOG statement
using the DEBUG option

Processing Data Iteratively
DO-loop processing
SAS array processing
using SAS arrays

Restructuring a Data Set
rotating with the DATA step
using the TRANSPOSE procedure

Combining SAS Data Sets
using data manipulation techniques with match-merging

Other SAS Languages
an overview of other languages
using the SQL procedure
the SAS macro language