



## SAS TRAINING

### SAS Training Syllabus

#### BASE SAS

- Introduction To SAS System & Architecture
- History And Various Modules
- Features
- Variables & SAS Syntax Rules
- SAS Data Sets
- Data Set Options
- Operators
- Reading Raw Data
- Infile Statement With Options
- Working With External Files & Options
- Multiple Observations
- Input Styles
- Select Statement
- Leave and Continue Statements
- Creating & Redefining Variables
- Where Statement
- If – Then Else Statement
- Goto, Stop And Error Statements
- Output Statement, Put Statement
- Do Loops
- Modifying And Combining Data Sets
- Updating Master Data Set
- Display Manager Commands
- SAS Functions
- An Introduction To Arrays And Array Processing
- Overview Of Methods For Combining Sas Data Sets



## BASE SAS PROCEDURES

- Proc [sort](#)
- Proc Print
- Proc Means
- Proc Freq
- Proc Plot
- Proc Chart
- Proc Copy
- Proc Summary
- Proc Append
- Proc Datasets
- Proc Contents
- Proc Delete
- Proc Format
- Proc Import
- Proc Export

## PART -II

### SAS/SQL

- Introduction To SAS/ SQL
- Features
- Uses
- Terminology
- Data Types, Key Words, & Operators
- Functions, Predicates
- Formatting Output
- Group By Clause
- Order By Clause



- Having Clause
- Case Expression And Conditional Logic.
- Creating ,Populating & Deleting Tables
- Alter Table Statement
- Changing Column's Length
- Joins
- Constraints
- Renaming A Table & Columns
- Views

## SAS/MACROS

- Macro Concepts
- Macros And Macro Variables
- Creating Macro Variables
- Using Macro Variables
- Creating Modular Code With Macros
- Invoking A Macro
- Adding Parameters To Macros
- Macros With Conditional Logic
- Using Various Procedures In Macros
- Automatic Variables
- Macro Functions
- Including External Macros

## SAS/ODS

- Creating RTF File
- Creating Html File
- Creating Pdf File

## SAS/GRAPH

- Chart Procedure



- Vertical, Horizontal, Pie
- Group, Subgroups
- Plot Procedure
- Multiple Plots & Overlay
- Symbol Statement
- Title And Footnote Statements

## SAS/REPORTS

- Frequency Report
- One-Way Frequency Report
- Cross Tabular Frequency Report
- Summary Statistics
- Creating A List Report
- Define Statement
- Order Usage and Group
- Printing Grand Totals
- Rbreak Statement
- Tabulate Procedure
- One-Dimensional Tables
- Two-Dimensional Tables
- Obtaining A Total
- Analysis Variables with options
- Summary Statistics

## SAS/STAT

- Proc Univariate
- Proc Corr
- Proc Reg
- Proc Anova