

LIVE + SELF-PACED

SAS FOR DATA SCIENCE CERTIFICATE COURSE





COURSE OVERVIEW

This course not only covers the fundamentals of SAS for data science but also offers a rich array of specialized skill enhancements. Given the fast-paced evolution of industry trends and demands, staying ahead is crucial, and this course equips you with the knowledge and tools to do just that. Throughout the program, you'll delve into various essential aspects of SAS for data science, including understanding why SAS is indispensable in today's data-driven industries. You'll gain expertise in techniques such as data manipulation in SAS, harness the power of SAS for data visualization, conduct in-depth statistical analysis, and master the art of macros in SAS. Your journey in this course promises not just learning but a robust foundation for growth and the practical implementation of SAS tools and best practices. So, get ready to embark on this exciting learning journey and embrace the world of SAS for data science. Happy learning!



COURSE OBJECTIVE

This course is your gateway to mastering SAS for data science. It doesn't just cover the fundamentals; it offers a rich array of specialized skill enhancements that keep you ahead in a fast-paced industry. Gain expertise in data manipulation, data visualization, statistical analysis, and macros in SAS. This learning journey promises growth and practical SAS implementation. Embrace the world of SAS for data science and get ready for a transformative experience. Happy learning!

WHAT YOU WILL LEARN

By the end of the course, you will be learning multiple skillsets including SAS data analysis, Data visualization in SAS, Statistical analysis, SAS codes, & many other tools and processes including Macros in SAS.

COURSE SKILL SET

SAS programming codes Statistical analysis Data analysis using SAS Data visualization in SAS Macros in SAS for Data Science



Instructor – Arpita Dubey | Executive Data Science Trainer

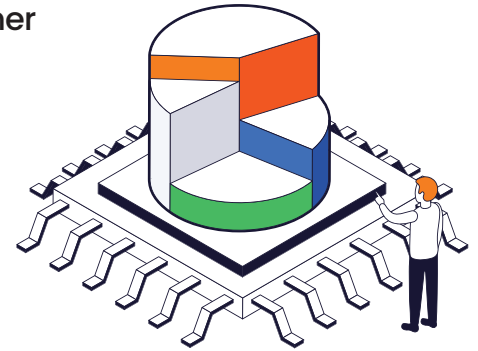
Duration – 1 Week

Eligibility – Any graduate with a Science stream

No. of Modules – 06 Modules

Language – English

Shareable certificate – Yes



PROGRAM SYLLABUS

Module 1 Introduction to SAS Programming

Session 1.1 Introduction of SAS

Session 1.2 Real-life applications in the industry

Session 1.3 SAS environment

Session 1.4 The most prominent tool for statistical and data analysis

Session 1.5 Interface of SAS



Module 2 Data manipulation in SAS

Session 2.1 SAS DATA step and PROC step

Session 2.2 Importing dataset in SAS

Session 2.3 Variables in SAS

Session 2.4 Creating a dataset

Session 2.5 WHERE and IF statement

Session 2.6 Sorting data with PROC SORT

Session 2.7 SUBSTR

Session 2.8 UPCASE & LOWCASE

Session 2.9 Keep and drop Function in SAS

Session 2.10 Mathematical function in SAS

Session 2.11 SAS-LOOPS



Module 3 Data analysis in SAS

Session 3.1 PROC univariate

Session 3.2 PROC Means

Session 3.3 PROC FREQ

Session 3.4 PROC SQL –displaying Count with multiple Variables

Session 3.5 PROC REG

Session 3.6 PROC CORR

Session 3.7 PROC TABULATE

Session 3.8 PROC REPORT

Module 4 Data Visualization in SAS

Session 4.1 Simple histogram

Session 4.2 SAS Histogram with NORMAL curve

Session 4.3 Bar charts

Session 4.4 Stacked and clustered bar charts

Session 4.5 Box plot

Session 4.6 Correlation plot

Module 5 Statistical Analysis

Session 5.1 Hypothesis testing

Session 5.2 T-tests

Session 5.3 ANOVA (Analysis of variance)

Session 5.4 Linear Regression

Session 5.5 Chi-square test

Module 6 MACROS in SAS

Session 6.1 Writing first MACRO in SAS

Session 6.2 MACRO variables in SAS

Session 6.3 SAS macro Quoting function

Session 6.4 SAS Macro functions %EVAL, %SYSFUNC





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