Updated 07/27/2023

Sign up

SAS Data Management and AI training

3 days (21 hours)

PRESENTATION

SAS is the benchmark analysis platform in the world of data and statistics. With this SAS training course, you'll be able to master analytics with ease.

Artificial Intelligence is an integral part of SAS. You will integrate AI technologies such as nlp, deep learning, machine learning and solution optimization.

This SAS Data Management training course will save your company a considerable amount of time and productivity. SAS will enable you to process and automate your tasks and data.

The SAS system is compatible with all existing operating systems and adapts to all architectures such as Windows or Linux.

For this course, we'll be using the latest version of SAS 9.4.

OBJECTIVES

- Understanding the SAS ecosystem
- Understanding analytical database processing
- Creation and distribution of summary reports and listings

TARGET AUDIENCE

- Data Engineer
- Data Scientist
- Business Analyst

Prerequisites

Knowledge of data engineering.

SAS DATA MANAGEMENT TRAINING PROGRAM

INTRODUCTION

- What is SAS?
- Artificial intelligence
  - Machine Learning
  - Data Mining
  - Automated modeling
- API
  - Development
  - Deployment of predictive modeling applications

DATA MINING AND MACHINE LEARNING

- Data mining process
- Machine Learning process
- Visual interface
- Complete programming
- Analytical lifecycle tasks

DATA PREPARATION AND FEATURE ENGINEERING

- The Data
- Visual pipeline
- Business integration
- Drag-and-drop interface
- Data structure
- In-memory actions
- Trend analysis
  - Common themes
  - Relevance score
- Data preparation
  - Data access
  - Integration
  - Transformation
- The different data connectors
- Visualization tools
- Text data

IN-MEMORY ANALYTICAL PROCESSING

- In-memory data
- The secure multi-user environment
- The various data
- Analytical processing
- Nodes
- Multithreaded processing

SAS Analytics

- Modeling techniques
- Perform statistical analysis
- Determining your sample size
- Using regressions
- Use classification techniques

IML programming

- Creating IML modules
- Memory storage and management
- SAS procedure appeal
- Debugging

SAS and R

- Create your first variables and tables
- The functions
- Reporting
- Plotting
- Running an R analysis in an IML session
- Creating R graphics in an IML session

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.