Data Science with KNIME Analytics Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The Data Science with KNIME Analytics Training by Multisoft Systems is designed to help professionals and beginners harness the power of KNIME's open-source analytics platform for data-driven decision-making. KNIME (Konstanz Information Miner) is a powerful, user-friendly tool that allows users to create data workflows visually — without the need for extensive programming knowledge.

Module 1: KNIME Analytics Platform: Overview

- ✓ Installation
- ✓ Starting and customizing KNIME Analytics Platform
- ✓ Nodes, data and workflows
- ✓ The data science cycle

Module 2: Data Access

- ✓ Read Data from file
- ✓ Accessing REST Services

Module 3: ETL and Data Manipulation

- ✓ Row & Column filtering
- ✓ Aggregators
- ✓ Join & Concatenation
- ✓ Transformation: Conversion, Replacement, Standardization, and New Feature Generation
- ✓ Data Preparation for Time Series Analysis

Module 4: Exporting Data

- ✓ Write to a file
- ✓ Generating a Report

Module 5: Data Visualization

- ✓ Interactive Univariate Visual Exploration
- ✓ Interactive Multivariate Visual Exploration
- ✓ Advanced Visualization Features

Module 6: Predictive Analytics using KNIME

- ✓ Data Mining Basic Concepts
- ✓ Regressions
- ✓ Decision Tree Family
- ✓ Model Evaluation

Module 7: Controlling the flow

- ✓ Workflow Parameterization: Flow Variables
- ✓ Re-executing Workflow Parts: Loops
- ✓ Cleaning up your Workflow