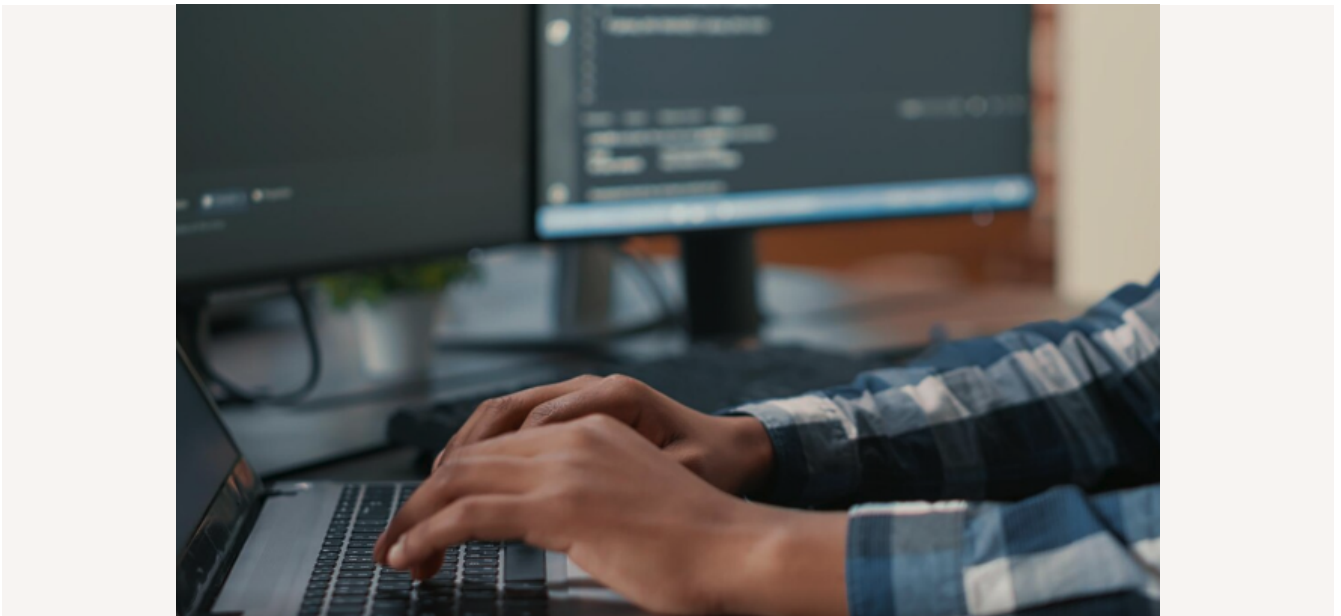




DIGITAL INNOVATION AND TRANSFORMATION

The Complete Course on Data Science & Big Data Analytics

Professional training programme



SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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— Workshop Overview

Information can come in various forms and from multiple sources. Mastering the ability to extract, model, and analyze this information can offer significant commercial advantages. Big Data Analytics enables organizations to identify trends, refine operational procedures, and leverage insights to boost revenue and enhance client experiences. The Complete Course on Data Science & Big Data Analytics provides a practical approach to applying data science techniques. It covers how to determine the requirements for data science applications, the technologies available, and the analytical models suited to derive valuable insights from Big Data. This training will guide you on making sense of complex data and utilizing analytics effectively. This training course will feature:

- An Overview of Big Data Analytics
- Adaptation and Approach of Lifecycles and Models
- Methods and Models for Statistical Evaluation
- Advance Methods and Models for Big Data Analytics
- How To Select Appropriate Tools to Achieve the Best from Data Analytics

Why Attend

This course uses instructor-led sessions, guided discussion, and practical exercises built around Day Two: Data Analytics Models and Lifecycle, Day Three: Data Analytical Methods and Programs Overview, Day Four: Advanced Theory and Methods Overview, and day five: technology, tools and achieving results.

Who Should Attend

Statistical and Research Analysts
Key Application Development and data Research Personnel
Technology Engineers, CTO and CIO
Strategic Development Directors

— Learning Objectives

- Understand the role of Big Data for their organization
- Appreciate when to apply Data Analytics and the Best Methods of Approach
- Consider How to Choose Appropriate Models and Technology for Big Data
- Learn from case study examples and use case scenarios
- Successfully achieve results from applying best practice in Data Analytics

— Course Outline

DAY 1

Day Two: Data Analytics Models and Lifecycle

- Data Analytics Lifecycle
- Stage 1 - Discovery
- Stage 2 - Preparation of Data
- Stage 3 - Model Planning and Review
- Stage 4 - Model Creation
- Stage 5 - Communication Plan
- Stage 6 - From Planning to Operation
- Case Study and Summary

DAY 2

Day Three: Data Analytical Methods and Programs Overview

- Overview of R Framework
- Overview of Big Data Analytics
- Exploratory Data Analysis
- Statistical methods of Evaluation
- Advanced Methods of Clustering
- Advanced Theory and Methods of Association Rules
- Advanced Theory and Methods of Regression
- Case Study and Summary

DAY 3

Day Four: Advanced Theory and Methods Overview

- Advanced Analytical Theory of Classification
- Advanced Analytical Theory of Time Series Analysis
- Advanced Analytical Theory of Textual Analysis
- Technology and Tools for Advanced Data Analytics
- Use Case and Assessment
- Case Study and Summary

DAY 4

Day Five: Technology, Tools and Achieving Results

- Unstructured Data Analytics
- Advanced Analytical Tools in Database Analytics
- How integrate Data Analytics
- Current Best Practice Management and Approach for Project Delivery

- Data Visualization Overview
- Summary ad Case Study

— Upcoming Classroom Dates

DATE	LOCATION	FEE
19 - 23 October 2026	Vienna - Austria	€2,125
2 - 6 November 2026	Barcelona - Spain	€1,925
21 - 25 December 2026	Paris - France	€2,250
18 - 22 January 2027	Rome - Italy	€2,125
15 - 19 February 2027	Munich - Germany	€2,125
15 - 19 March 2027	Amsterdam - Netherlands	€2,125
19 - 23 April 2027	London - United Kingdom	€2,100
17 - 21 May 2027	Istanbul - Türkiye	€1,425

— Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact info@sparktraining.eu or +31 85 115 0004.