

# aractech

Global Learning for Operational Leaders

DIGITAL INNOVATION AND TRANSFORMATION

## The Complete Course on Data Science & Big Data Analytics

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# Course content

## Why Attend

Course Introduction

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.

## Course Methodology

## Course Objectives

## Target Audience

# Course outline

## Detailed course outline

Day-by-day outline for The Complete Course on Data Science & Big Data Analytics.

### Day 1 - Big Data Analytics

- Current Practices and trends in Big Data Analytics
- Business Intelligence v Data Science
- Analytical Architecture for Big Data
- Roles for Big Data within the Technology and Commercial Enterprise
- Key Drivers for Big Data Analytics
- Case Study and Summary

### Day 2 - 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

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### Day 3 - 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

### Day 4 - 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

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## Day 5 - 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

# Seminar dates

## Available seminar dates

Live dates and pricing for The Complete Course on Data Science & Big Data Analytics generated from the course details page.

Date	Location	Format	Fee
18 - 22 May 2026	Rome	Classroom	€2,975
22 - 26 June 2026	Munich	Classroom	€2,415
13 - 17 July 2026	Amsterdam	Classroom	€2,975
17 - 21 August 2026	London	Classroom	€2,940
21 - 25 September 2026	Istanbul	Classroom	€1,995
19 - 23 October 2026	Vienna	Classroom	€2,975
2 - 6 November 2026	Barcelona	Classroom	€2,695

**Live online option**

Online delivery is available at €1,250.