

aractech

Global Learning for Operational Leaders



DIGITAL INNOVATION AND TRANSFORMATION

The Power of Data Analytics: Using Excel and SQL

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Course content

Why Attend

Course Introduction

In today's data-driven world, the ability to harness the power of data is a critical skill for professionals across all industries.

Course Methodology

Course Objectives

Target Audience

Course outline

Detailed course outline

Day-by-day outline for The Power of Data Analytics: Using Excel and SQL.

Day 1 - Foundations of Data Analytics

- Introduction to data analytics and its role in business success
- Overview of SQL and Excel in the analytics workflow
- Data types, structures, and the basics of database management
- Setting up and accessing data in SQL databases and Excel

Day 2 - SQL for Data Querying and Management

- Understanding SQL syntax and commands
- Writing basic SQL queries: SELECT, WHERE, GROUP BY, and ORDER BY
- Performing data joins and merging datasets
- Aggregating and summarizing data using SQL functions
- Hands-on exercises: Querying and extracting data from databases

Day 3 - Excel for Advanced Data Analysis

- Importing and cleaning data in Excel.
- Using formulas and functions for data transformation
- Creating PivotTables and PivotCharts for dynamic reporting
- Statistical analysis in Excel: Descriptive statistics, regression, and correlation
- Hands-on exercises: Analyzing real-world datasets in Excel

Course outline

Detailed course outline

Day-by-day outline for The Power of Data Analytics: Using Excel and SQL.

Day 4 - Integrating SQL and Excel for Analytics

- Exporting SQL query results to Excel for further analysis
- Automating data workflows between SQL and Excel
- Combining SQL queries and Excel features for advanced reporting
- Practical examples: End-to-end data analysis projects

Day 5 - Data Visualization and Reporting

- Principles of effective data visualization
- Creating compelling dashboards and reports in Excel
- Presenting SQL data in visual formats for stakeholders
- Case studies: Solving business challenges with SQL and Excel analytics
- Developing a personal action plan for applying learned skills

Seminar dates

Available seminar dates

Live dates and pricing for The Power of Data Analytics: Using Excel and SQL generated from the course details page.

Date	Location	Format	Fee
15 - 19 June 2026	Munich	Classroom	€2,415
20 - 24 July 2026	Amsterdam	Classroom	€2,975
3 - 7 August 2026	Istanbul	Classroom	€1,995
7 - 11 September 2026	Rome	Classroom	€2,975
12 - 16 October 2026	Istanbul	Classroom	€1,995
9 - 13 November 2026	Vienna	Classroom	€2,975
14 - 18 December 2026	Barcelona	Classroom	€2,695

Live online option

Online delivery is available at €1,250.