

The Power of Data Analytics: Using Excel and SQL

Professional training programme



SPARK TRAINING

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

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— Workshop Overview

In today's data-driven world, the ability to harness the power of data is a critical skill for professionals across all industries. The Power of Data Analytics: Using Excel and SQL training course is designed to empower participants with the tools and techniques needed to analyze, interpret, and present data effectively. SQL provides the robust querying capabilities to access and manage large datasets, while Excel offers intuitive functions for advanced analysis and visualization. This The Power of Data Analytics: Using Excel and SQL training course bridges these powerful tools, equipping participants to seamlessly integrate SQL's data-handling strengths with Excel's analytical capabilities. Through real-world examples and hands-on exercises, attendees will learn to transform raw data into meaningful insights, enhancing decision-making and driving impactful business results. Whether you are an aspiring data analyst or a professional looking to refine your skills, this course will unlock your potential to leverage data as a strategic asset.

Why Attend

This training course will utilise a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes an interactive mixture of lecture-led learning & group discussions.

Who Should Attend

Data analysts and business intelligence professionals
Managers and team leaders looking to leverage data for decision-making
Professionals in finance, marketing, operations, or any field involving data analysis
Anyone interested in enhancing their data

— Learning Objectives

- Understand the principles and best practices of data analytics
- Query and manipulate data effectively using SQL
- Perform advanced data analysis and visualization in Excel
- Integrate SQL and Excel to enhance analytical efficiency
- Extract actionable insights from complex datasets
- Present data-driven findings to support strategic decisions

Course Outline

**DAY
1**

Day One: 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**

Day Two: 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**

Day Three: 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

**DAY
4**

Day Four: 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**

Day Five: 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

— Upcoming Classroom Dates

DATE	LOCATION	FEE
12 - 16 October 2026	Istanbul - Türkiye	€1,425
9 - 13 November 2026	Vienna - Austria	€2,125
14 - 18 December 2026	Barcelona - Spain	€1,925
18 - 22 January 2027	Munich - Germany	€2,125
15 - 19 February 2027	Dubai - UAE	€1,400
15 - 19 March 2027	Istanbul - Türkiye	€1,425
19 - 23 April 2027	Rome - Italy	€2,125
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.