informatech



DIGITAL INNOVATION AND TRANSFORMATION | COURSE

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.

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.

Course Methodology

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?

This training course is suitable to a wide range of professionals but will greatly benefit:

- 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 analytics skills with SQL and Excel



Course content

Course Objectives

By the end of this training course, participants will be able to:

- 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 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 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 Three: Excel for Advanced Data Analysis



Course content

Course outline

• 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 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 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



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
14 - 18 December 2026	Barcelona - Spain	Classroom	**€3,080.-**
18 - 22 January 2027	Munich - Germany	Classroom	**€3,400.-**
15 - 19 February 2027	Dubai - UAE	Classroom	**€2,040.-**
15 - 19 March 2027	Istanbul - Turkey	Classroom	**€2,280.-**
19 - 23 April 2027	Rome - Italy	Classroom	**€3,400.-**
17 - 21 May 2027	Istanbul - Turkey	Classroom	**€2,280.-**
21 - 25 June 2027	Cape Town - South Africa	Classroom	**€3,400.-**
19 - 23 July 2027	Barcelona - Spain	Classroom	**€3,080.-**
16 - 20 August 2027	Munich - Germany	Classroom	**€3,400.-**
20 - 24 September 2027	Dubai - UAE	Classroom	**€3,400.-**
18 - 22 October 2027	Istanbul - Turkey	Classroom	**€2,280.-**
15 - 19 November 2027	Rome - Italy	Classroom	**€3,400.-**
20 - 24 December 2027	Istanbul - Turkey	Classroom	**€2,280.-**

Live online option	Online delivery is available at €1,850.-.