



IT MANAGEMENT AND CYBER SECURITY

Microsoft Power BI: Data Analysis & AI Dashboards

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Course content

Why Attend

Course Introduction

In today's data-driven world, organizations must adapt to harness the power of data for informed decision-making. Power BI, a leading business intelligence tool, enables users to convert raw data into valuable insights, empowering decision-makers to make strategic choices. The Microsoft Power BI: Data Analysis & AI Dashboards training course goes beyond the basics, exploring advanced data analytics and AI integration to elevate reporting. Participants will learn how to use Power BI's powerful features for data loading, transformation, and visualization, enabling them to design dashboards that offer clear insights into business performance, opportunities, and challenges.

Course Methodology

Course Objectives

Target Audience

Course outline

Detailed course outline

Day-by-day outline for Microsoft Power BI: Data Analysis & AI Dashboards.

Day 1 - Fundamentals of Power BI and Data Loading

- Introduction to Power BI interface and functionalities
- Connecting to various data sources (databases, cloud, Excel, etc.)
- Data loading, cleaning, and transformation with Power Query Editor
- Hands-on: Setting up and loading data for analysis

Day 2 - Data Modeling and DAX for Data Analysis

- Overview of data modeling in Power BI for efficient reporting
- Introduction to DAX (Data Analysis Expressions) for calculations and custom measures
- Using DAX to create calculated columns, measures, and more complex formulas
- Hands-on: Building a data model and using DAX for data analysis

Day 3 - Designing Dashboards for Data Analysis

- Principles of effective data visualization for business insights
- Creating dynamic and interactive dashboards with visuals (charts, KPIs, tables)
- Adding drill-throughs, tooltips, and interactive slicers for user experience
- Best practices in dashboard design for clear and concise data storytelling
- Hands-on: Designing a data analysis dashboard with Power BI visuals

Course outline

Detailed course outline

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Day 4 - Integrating AI and Machine Learning in Power BI

- Overview of AI features in Power BI: Q&A visual, AI visuals, and Cognitive Services
- Using the Key Influencers visual to analyze factors impacting outcomes
- AI-driven clustering and segmentation of data for deeper insights
- Applying forecasting models and time-series analysis
- Hands-on: Creating AI-driven visuals to identify patterns and insights

Day 5 - Advanced Reporting and Publishing AI Dashboards

- Integrating Power BI dashboards with Microsoft Teams and SharePoint
- Publishing and sharing dashboards securely in Power BI Service
- Optimizing dashboards for performance and mobile access
- Final hands-on project: Creating an AI-powered dashboard to demonstrate business insights
- Course wrap-up and Q&A

Seminar dates

Available seminar dates

Live dates and pricing for Microsoft Power BI: Data Analysis & AI Dashboards generated from the course details page.

Date	Location	Format	Fee
15 - 19 June 2026	Barcelona	Classroom	€2,695
20 - 24 July 2026	Frankfurt	Classroom	€2,275
3 - 7 August 2026	Rome	Classroom	€2,975
7 - 11 September 2026	Kuala Lumpur	Classroom	€1,575
12 - 16 October 2026	Barcelona	Classroom	€2,695
9 - 13 November 2026	London	Classroom	€2,940
14 - 18 December 2026	Munich	Classroom	€2,415

Live online option

Online delivery is available at €1,250.