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PLANNING AND STRATEGY MANAGEMENT | PSM-004

# Business Intelligence with Power BI

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# Course content

## Why Attend

### Course Overview

The Business Intelligence with Power BI training course is designed to give participants a thorough understanding of Business Intelligence (BI) concepts while equipping them with practical skills to use Power BI for data visualization, analysis, and reporting. As a leading BI tool, Power BI allows users to connect, transform, and visualize data in impactful ways that support informed business decision-making. Through hands-on exercises, participants will learn how to create interactive reports and dashboards that bring data to life, making Power BI an indispensable tool for data-driven organizations.

### Course Objectives

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

- Understand core BI concepts and the importance of data-driven decision-making
- Navigate the Power BI interface and utilize its features for data transformation and visualization
- Import and clean data from multiple sources to prepare it for analysis
- Create interactive and visually engaging dashboards and reports
- Apply DAX (Data Analysis Expressions) to enhance analytical capabilities within Power BI
- Share insights and collaborate effectively using Power BI Service and Power BI Mobile
- Understand and implement data security and governance within Power BI

### Designed for

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

- Business analysts, data analysts, and data scientists who want to leverage BI tools for enhanced analytics
- Professionals from various industries who work with data and seek to improve their data reporting skills
- Decision-makers who wish to create data-driven strategies for their organization
- IT and finance professionals responsible for creating or managing reports and dashboards



# Course content

## Course Objectives

- Anyone interested in improving data visualization and storytelling skills with Power BI

## Learning Methods

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.

## Course outline

### Day One: Introduction to Business Intelligence and Power BI Fundamentals

- Overview of Business Intelligence and its role in decision-making
- Introduction to Power BI components: Power BI Desktop, Power BI Service, and Power BI Mobile
- Power BI interface and navigation basics
- Connecting to data sources (Excel, SQL Server, web sources, etc.)
- Data import techniques and understanding data types
- Hands-on: Setting up Power BI Desktop and importing sample datasets

### Day Two: Data Transformation and Preparation Using Power Query

- Introduction to Power Query and its ETL (Extract, Transform, Load) functions
- Data cleaning techniques: handling missing data, removing duplicates, filtering
- Data transformation: merging, appending, pivoting, and unpivoting data
- Creating calculated columns and tables for enhanced analysis
- Practical exercise: Transforming raw data into a structured format using Power Query

### Day Three: Data Modeling and DAX Basics



# Course content

## Course outline

- Importance of data modeling and relationships in BI
- Creating and managing data relationships in Power BI
- Introduction to DAX (Data Analysis Expressions) and its functions
- Calculated columns vs. measures
- Essential DAX functions: SUM, AVERAGE, COUNT, CALCULATE, and FILTER
- Building hierarchies and creating time intelligence in Power BI
- Hands-on practice: Developing a data model and applying basic DAX expressions

## Day Four: Visualizing Data with Power BI

- Choosing the right visual for data representation: tables, charts, maps, and gauges
- Customizing visuals and formatting options for impactful storytelling
- Interactive features: slicers, filters, and drill-through for dynamic reporting
- Creating interactive dashboards with KPI indicators and scorecards
- Best practices for designing intuitive and effective reports
- Hands-on session: Building a fully interactive dashboard using sample data

## Day Five: Publishing, Sharing, and Power BI Service

- Publishing reports to the Power BI Service and setting up workspaces
- Understanding and managing user roles and permissions
- Creating and managing datasets, reports, and dashboards in the cloud
- Introduction to Power BI Mobile for on-the-go access to reports
- Collaboration and sharing options: sharing dashboards, embedding, and export options
- Data security and governance in Power BI: Row-level security, data refresh, and scheduling
- Hands-on exercise: Publishing a report and sharing it with stakeholders



# Course content



# Seminar dates

## Available seminar dates

Live dates and pricing for Business Intelligence with Power BI generated from the course details page.

| Date                   | Location                | Format    | Fee      |
|------------------------|-------------------------|-----------|----------|
| 7 - 11 September 2026  | Amsterdam - Netherlands | Classroom | €3,400.- |
| 14 - 18 September 2026 | London - U.K            | Classroom | €3,080.- |
| 5 - 9 October 2026     | Barcelona - Spain       | Classroom | €2,040.- |
| 12 - 16 October 2026   | Kuala lumpur - Malaysia | Classroom | €2,280.- |
| 9 - 13 November 2026   | Istanbul - Turkey       | Classroom | €3,080.- |
| 16 - 20 November 2026  | Barcelona - Spain       | Classroom | €3,400.- |
| 7 - 11 December 2026   | Vienna - Austria        | Classroom | €3,360.- |
| 14 - 18 December 2026  | Amsterdam - Netherlands | Classroom | €2,280.- |
| 21 - 25 December 2026  | Istanbul - Turkey       | Classroom | €3,080.- |
| 18 - 22 January 2027   | Paris - France          | Classroom | €3,600.- |
| 15 - 19 February 2027  | Barcelona - Spain       | Classroom | €3,080.- |
| 15 - 19 March 2027     | Munich - Germany        | Classroom | €3,400.- |
| 19 - 23 April 2027     | Kuala lumpur - Malaysia | Classroom | €1,800.- |
| 17 - 21 May 2027       | Amsterdam - Netherlands | Classroom | €3,400.- |
| 21 - 25 June 2027      | Geneva - Switzerland    | Classroom | €4,200.- |
| 19 - 23 July 2027      | Paris - France          | Classroom | €3,600.- |
| 16 - 20 August 2027    | Istanbul - Turkey       | Classroom | €2,280.- |



# Seminar dates

## Available seminar dates

Live dates and pricing for Business Intelligence with Power BI generated from the course details page.

| Date                   | Location                | Format                                    | Fee      |
|------------------------|-------------------------|-------------------------------------------|----------|
| 20 - 24 September 2027 | Madrid - Spain          | Classroom                                 | €3,400.- |
| 18 - 22 October 2027   | London - U.K            | Classroom                                 | €3,360.- |
| 15 - 19 November 2027  | Barcelona - Spain       | Classroom                                 | €3,080.- |
| 20 - 24 December 2027  | Kuala lumpur - Malaysia | Classroom                                 | €1,800.- |
| Live online option     |                         | Online delivery is available at €1,850.-. |          |