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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
6 - 10 July 2026	Amsterdam - Netherlands	Classroom	**€4,200.-**
20 - 24 July 2026	London - U.K	Classroom	**€4,250.-**
3 - 7 August 2026	Paris - France	Classroom	**€4,400.-**
10 - 14 August 2026	Istanbul - Turkey	Classroom	**€4,200.-**
7 - 11 September 2026	Amsterdam - Netherlands	Classroom	**€4,250.-**
14 - 18 September 2026	London - U.K	Classroom	**€3,850.-**
5 - 9 October 2026	Barcelona - Spain	Classroom	**€2,550.-**
12 - 16 October 2026	Kuala lumpur - Malaysia	Classroom	**€2,850.-**
9 - 13 November 2026	Istanbul - Turkey	Classroom	**€3,850.-**
16 - 20 November 2026	Barcelona - Spain	Classroom	**€4,250.-**
7 - 11 December 2026	Vienna - Austria	Classroom	**€4,200.-**
14 - 18 December 2026	Amsterdam - Netherlands	Classroom	**€2,850.-**
21 - 25 December 2026	Istanbul - Turkey	Classroom	**€3,850.-**

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