

aractech

Global Learning for Operational Leaders



PLANNING AND STRATEGY MANAGEMENT | PSM-004

Business Intelligence with Power BI

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Course content

Why Attend

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 Methodology

Course Objectives

- 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

Target Audience

- 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

Course outline

Detailed course outline

Day-by-day outline for Business Intelligence with Power BI.

Day 1 - 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 2 - 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

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Day 3 - Data Modeling and DAX Basics

- 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

Day 4 - 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

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Day 5 - 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

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
18 - 22 May 2026	Paris	Classroom	€3,080
1 - 5 June 2026	Barcelona	Classroom	€2,940
8 - 12 June 2026	Munich	Classroom	€2,975
15 - 19 June 2026	Kuala lumpur	Classroom	€1,575
6 - 10 July 2026	Amsterdam	Classroom	€2,940
20 - 24 July 2026	London	Classroom	€2,975
3 - 7 August 2026	Paris	Classroom	€3,080
Live online option		Online delivery is available at €1,250.	