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PLANNING AND STRATEGY MANAGEMENT | PSM-004

# Business Intelligence with Power BI

**UK**
+44 33 000 111 90
info@informatech.co.uk
https://informatech.co.uk
63-66 Hatton Garden Hatton Garden
EC1N 8LE , London

**NL**
+31 85 74 444 46
info@infomatech.nl
https://infomatech.nl
Waarderweg 50 - 2031PB
Haarlem - Netherlands



# 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 |
|---|---|---|---|
| 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 | Cape Town - South Africa | Classroom | **€2,272.-** |
| 16 - 20 August 2027 | Istanbul - Turkey | Classroom | **€2,280.-** |
| 20 - 24 September 2027 | Dubai - UAE | 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.-** |