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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.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

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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

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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

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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
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.-.