

DATA ANALYTICS WITH POWER BI

“Transforming Data into Insights for Smarter Business Decisions”

Schedule

| Date | Venue | Fees (Face-to-Face) |
|------------------|-----------------|-----------------------|
| 15 - 19 Feb 2026 | Manama, Bahrain | USD 3495 per delegate |
| 20 - 24 Jul 2026 | Dubai, UAE | USD 3495 per delegate |

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

In today's data-driven world, organizations need powerful tools to analyze and visualize information to drive strategic decisions. Microsoft Power BI is a leading business intelligence platform that empowers users to connect to various data sources, transform raw data, and create interactive dashboards and reports.

This intensive five-day course provides a practical, hands-on approach to mastering Power BI for data analysis and visualization. Participants will gain expertise in importing, modeling, and transforming data, building insightful dashboards, and applying DAX for advanced analytics. The course is designed for professionals looking to turn data into actionable insights—no prior programming experience required.

Objectives

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

- Connect Power BI to various data sources and perform data transformations
- Create data models using Power Query and DAX formulas
- Design interactive dashboards and visualizations that tell a story
- Apply analytics to uncover patterns, trends, and business drivers
- Share reports securely via Power BI Service and collaborate with teams

Why Attend

- Learn to turn complex data into clear, meaningful visual insights
- Make confident business decisions based on real-time analysis
- Gain a practical, in-demand skill set applicable across industries
- Streamline data workflows and reduce reliance on IT or Excel-heavy reporting
- Empower your team with self-service business intelligence

Target Audience

This program is designed for:

- Business analysts, data analysts, and reporting specialists
- Finance, HR, operations, and marketing professionals
- Team leads and managers responsible for decision-making
- IT professionals supporting business intelligence tools
- Anyone seeking to use Power BI for data exploration and storytelling

Individual Benefits

Key competencies that will be developed include:

- End-to-end Power BI proficiency (data import, transformation, modeling, visualization)
- Ability to build intuitive dashboards and KPI-driven reports
- Competence in applying DAX for advanced calculations
- Better decision-making through analytical storytelling
- Enhanced professional value through data literacy

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved data-driven decision-making across teams
- Faster access to insights through self-service reporting
- Reduced reporting errors and manual work
- Stronger collaboration and shared data visibility
- More efficient use of data assets to support strategic goals

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Core Power BI functions and BI concepts
- Case Studies – Business scenarios showcasing Power BI solutions
- Workshops – Hands-on exercises in report creation, DAX, and publishing
- Peer Exchange – Group discussion on use cases and dashboard reviews
- Tools – Templates, sample datasets, and dashboard development guides

MAWA EVENTS

Address: No. 857, Block A2, Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net



Course Outline

Detailed 5-Day Course Outline

Training Hours: 07:30 AM – 3:30 PM **Daily Format:** 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to Power BI and Data Connections

- Module 1: Power BI Overview and Ecosystem (07:30 – 09:30) • What is Power BI and how does it fit into the BI landscape? • Components: Power BI Desktop, Service, Mobile, Gateway • Connecting to Excel, SQL, Web, SharePoint, CSV
- Module 2: Data Loading and Transformation Using Power Query (09:45 – 11:15) • Query Editor interface • Cleaning and shaping data • Merging and appending tables
- Module 3: Data Types and Relationships (11:30 – 01:00) • Understanding tables, fields, and data types • Creating relationships between tables • Cardinality and filter direction
- Module 4: Workshop – Importing and Preparing Sales Data (02:00 – 03:30) • Practice using Power Query to clean messy data

Day 2: Data Modeling and DAX Basics

- Module 1: Introduction to Data Modeling (07:30 – 09:30) • Star schema design • Normalized vs. denormalized models • Best practices for model structure
- Module 2: DAX Calculated Columns and Measures (09:45 – 11:15) • What is DAX and when to use it • Calculated columns vs. measures • Common DAX functions: SUM, COUNT, CALCULATE
- Module 3: Time Intelligence in DAX (11:30 – 01:00) • Creating date tables • YTD, MTD, and comparison metrics • Filter context and context transition
- Module 4: Workshop – Building a KPI Model (02:00 – 03:30) • Create KPIs using measures and DAX

Day 3: Building Visual Reports and Dashboards

- Module 1: Visualizing Data with Power BI (07:30 – 09:30) • Types of visuals and use cases • Formatting and customizing visuals • Drill-through and tooltips
- Module 2: Report Design Best Practices (09:45 – 11:15) • Data storytelling and visual flow • Using slicers, filters, and bookmarks • Dynamic titles and conditional formatting
- Module 3: Creating Interactive Dashboards (11:30 – 01:00) • Multi-page dashboards and navigation • Syncing slicers across pages • Report themes and branding
- Module 4: Workshop – Building a Sales Dashboard (02:00 – 03:30) • Create an executive sales dashboard from raw data

Day 4: Publishing, Sharing, and Power BI Service

- Module 1: Power BI Service Overview (07:30 – 09:30) • Workspaces, datasets, and reports • Refresh schedules and dataflows • Sharing with users and groups
- Module 2: Security and Access Control (09:45 – 11:15) • Row-level security (RLS) • App workspace roles and permissions • Best practices for secure sharing
- Module 3: Using Power BI Mobile and Cloud Features (11:30 – 01:00) • Viewing dashboards on mobile • Subscriptions, alerts, and Q&A • Integration with Teams and SharePoint
- Module 4: Workshop – Publishing Your First Report (02:00 – 03:30) • Deploying your report to the cloud and sharing

Day 5: Advanced Analytics and Final Project

- Module 1: Advanced DAX and Performance Tips (07:30 – 09:30) • Variables and evaluation context • Troubleshooting slow visuals • Using Performance Analyzer
- Module 2: Integration and Power Platform Synergy (09:45 – 11:15) • Power BI with Power Apps and Power Automate • External data sources and APIs • Export to Excel and PowerPoint
- Module 3: Final Capstone Project (11:30 – 01:00) • Team activity: Analyze a business scenario and create a dashboard

- **Module 4: Presentations and Certification (02:00 – 03:30)** • Present dashboards • Feedback, course summary, and certificate distribution

Certification

Participants will receive a Certificate of Completion in Data Analytics with Power BI, validating their ability to turn raw data into actionable insights using Power BI's powerful business intelligence and visualization tools.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

| | | |
|---|----------------------------------|--|
| In-House / Customized Training Interested in running this course for your team? Please contact us: | TEL: +601116373203 | EMAIL: info@mawaevents.net |
|---|----------------------------------|--|

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.