

Power BI Expert Techniques For Effective Data Analytics & Business Intelligence

30 November – 4 December 2026
Accra

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Training Center

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Ref: 25_85724 **Date:** 30 November – 4 December 2026 **Location:** Accra **Fees:** 4850 Euro

Power BI Expert Techniques For Effective Data Analytics & Business Intelligence Overview:

Harness the power of **Power BI Expert techniques** and dive deep into the world of **Data analytics** and **Business intelligence**. This course, specifically designed for professionals keen to optimize their **Corporate BI** processes and **Self-Service Visualization**, provides an intensive journey through **Power BI deployment modes**, **Dataset design**, and many more. It sets the benchmark for **Power BI Expert Training**, combining both theory and practical skills required to excel in the industry.

Target Audience:

- Data Analysts
- Business Intelligence Professionals
- Power BI Enthusiasts
- Corporate Strategy Executives
- IT Professionals keen on **Self-Service BI** and **Power BI Administration**

Targeted Organizational Departments:

- IT and Data Management
- Business Analytics and Strategy
- Finance and Budgeting benefiting from **Dataset objectives**
- Marketing and Sales leveraging **Power BI visualization interactions**

Targeted Industries:

- E-commerce massive data and **Power BI dataset optimizations**
- Healthcare patient data analytics and **Dynamic row-level security**
- Finance data governance, **Power BI Administration**, and regulatory requirements

Course Offerings:

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

- Mastery over **Query design in Power BI** and **M queries**
- Profound understanding of **Fact tables**, **Dimension tables**, and **Data model optimization**
- Hands-on experience with **Power BI Dashboards vs. Reports** and **Power BI apps**
- Knowledge of integrating **SharePoint Online embedding in Power BI** and utilizing **Azure Analysis Services**

Training Methodology:

Participants will delve into case studies exemplifying **Power BI visualization best practices**, engage in group work focusing on **Power BI Deployment Modes**, and participate in interactive sessions dissecting **DAX measures** and **Data source settings for Power BI**. Feedback sessions will leverage the **Power BI data model relationships** and offer insights into **Power BI content management**.

Course Toolbox:

- **Power BI Expert Training** Workbook
- Software tools for **Dataset design** and **DirectQuery vs. Import**
- Online resources on **Power BI Report Server Deployment** and **Power BI visualization interactions**
- Templates for **Power BI data model optimization** and **Power BI Administration**

Course Agenda:

Day 1: Introduction and Basics of Power BI Design

- **Topic 1:** Introduction to Power BI
- **Topic 2:** Understanding Power BI Deployment Modes
- **Topic 3:** Steps in Project Discovery and Ingestion
- **Topic 4:** Utilizing a Sample Power BI Project Template
- **Topic 5:** Defining Power BI Project Roles and Responsibilities
- **Topic 6:** Overview of Power BI Licenses
- **Reflection & Review:** Recapping the Fundamentals of Power BI Design

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Day 2: Data Handling and Transformation

- **Topic 1:** Basics of Query Design per Dataset Mode
- **Topic 2:** Connecting to Data Sources and Understanding Authentication Methods
- **Topic 3:** Designing SQL Views and Working with M Queries
- **Topic 4:** Configuring Data Source Parameters for Flexibility
- **Topic 5:** Understanding Dataset Layers and Their Objectives
- **Topic 6:** Grasping the Data Model, Fact Tables, and Dimension Tables
- **Reflection & Review:** Reflecting on Data Connection and Transformation Techniques

Day 3: DAX Measures, Reporting, and Visuals

- **Topic 1:** Introduction to DAX Measures and Using DAX Studio
- **Topic 2:** Differentiating Between Row Context, Scalar, and Table Functions
- **Topic 3:** Designing Base Measures and Configuring Security Roles
- **Topic 4:** Steps in Report Planning and Power BI Report Architecture
- **Topic 5:** Implementing Visualization Best Practices
- **Topic 6:** Designing Table, Matrix, and Map Visuals for Reports
- **Reflection & Review:** Reviewing DAX Formulations and Visualization Techniques

Day 4: Advanced Power BI Features and Server Deployment

- **Topic 1:** Exploring Drillthrough Report Pages and Bookmarks
- **Topic 2:** Delving into the Analytics Pane and Custom Visuals
- **Topic 3:** Applying Animation Techniques in Data Storytelling
- **Topic 4:** Differentiating Between Dashboards and Reports
- **Topic 5:** Principles of Effective Dashboard Design and Navigation
- **Topic 6:** Planning for Power BI Report Server Deployment
- **Topic 7:** Installing and Configuring Power BI Report Server
- **Reflection & Review:** Assessing Advanced Features and Deployment Strategies

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Day 5: Power BI Management and Scaling

- **Topic 1:** Working with Application Workspaces and Workspace Roles
- **Topic 2:** Best Practices in Metadata Management and Version Control
- **Topic 3:** Querying DMVs from Power BI for Advanced Insights
- **Topic 4:** Understanding Content Distribution Methods in Power BI
- **Topic 5:** Techniques for Sharing Dashboards and Reports
- **Topic 6:** Integrating with SharePoint Online and Analyze in Excel
- **Topic 7:** Benefits of Power BI Premium and Analysis Services
- **Topic 8:** Configuring Premium Capacity Nodes
- **Topic 9:** Integrating and Optimizing Analysis Services Models for Large Datasets
- **Reflection & Review:** Discussing Management Practices and Scaling Techniques for Power BI

How This Course is Different from Other Power BI Expert techniques for effective data analytics and business intelligence Courses:

This course is not just another **Power BI Expert techniques** training. It provides a holistic approach combining **Data analytics**, **Business intelligence**, and hands-on application. Participants will get hands-on experience with **Power BI apps**, dive deep into **Azure Analysis Services**, and grasp **Power BI content management**. It's a fusion of **Power BI Dataset Design Training** with real-world application, making it unparalleled in its depth and practicality.