



Power BI Expert Techniques For Effective Data Analytics & Business Intelligence

11 - 15 Apr 2027
Cairo



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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



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

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.



Training Course Categories

Agile PM and Project Management Training Courses

Certified Courses By International Bodies

Communication and Public Relations Training Courses

Data Analytics Training and Data Science Courses

Environment & Sustainability Training Courses

Finance and Accounting Training Courses

Governance, Risk and Compliance Training Courses

Human Resources Training and Development Courses

IT Security Training & IT Training Courses

Leadership and Management Training Courses

Legal Training, Procurement and Contracting Courses

Maintenance Training and Engineering Training Courses

Marketing, Customer Relations, and Sales Courses

Occupational Health, Safety and Security Training Courses

Personal & Self-Development Training Courses

Quality and Operations Management Training Courses

Secretarial and Administration Training Courses



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