



British Training

**Mastering Interactive Data with Power BI - From Analysis to Action -
Professional Dashboard Design Training Course**

#AB2047

Mastering Interactive Data with Power BI - From Analysis to Action - Professional Dashboard Design Training Course

Introduction:

In an era where data drives decisions, the ability to transform raw information into compelling visual narratives is a critical skill. The British Training Center presents this immersive program to empower professionals with advanced techniques for leveraging Power BI to create dynamic, interactive dashboards. Whether you aim to streamline reporting processes, enhance stakeholder engagement, or unlock actionable insights, this course bridges the gap between data analysis and impactful communication.

Training Objectives and Impact:

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

- Master the use of Power BI tools for data import, transformation, and modeling.
- Design visually appealing and user-friendly interactive dashboards.
- Apply advanced DAX formulas to create calculated columns, measures, and tables.
- Integrate multiple data sources seamlessly into cohesive reports.
- Utilize storytelling techniques to present data insights effectively.
- Implement best practices for dashboard optimization and performance tuning.
- Collaborate on shared projects using Power BI Service and version control.

Targeted Competencies and Skills:

- Data Visualization & Dashboard Design.
- Analytical Thinking & Problem-Solving.
- Technical Proficiency in Power BI Tools.
- Attention to Detail & Accuracy.
- Storytelling & Data Communication.
- Collaborative Project Management.

Target Audience:

This program is tailored for:

- Data Analysts and Business Intelligence Specialists.
- Business Managers and Decision-Makers.
- IT Professionals Seeking Advanced Reporting Skills.
- Marketing and Sales Teams Reliant on Data-Driven Strategies.
- Professionals Transitioning to Roles Involving Data Presentation.

Course Content:

Unit One - Power BI Fundamentals and Interface Navigation:

- Overview of Power BI ecosystem: Desktop, Service, and Mobile.
- Navigating the Power BI interface: Ribbon, Panels, and Workspaces.
- Importing data from Excel, CSV, and cloud-based sources.
- Basic data transformation using Power Query Editor.
- Introduction to data modeling and relationship management.
- Creating simple visualizations (tables, charts, maps).
- Publishing and sharing reports via Power BI Service.

Unit Two - Advanced Data Modeling and DAX Mastery:

- Deep dive into Data Analysis Expressions (DAX) syntax.
- Building calculated columns, measures, and tables.
- Time intelligence functions for trend analysis (YTD, QTD, etc.).
- Optimizing data models for performance and scalability.
- Handling hierarchical data and parent-child relationships.
- Troubleshooting common DAX errors and inefficiencies.

Unit Three - Designing Interactive Dashboards:

- Principles of effective dashboard layout and visual hierarchy.
- Configuring slicers, filters, and drill-through actions.
- Customizing visuals with themes, formats, and conditional formatting.
- Embedding interactive elements (buttons, bookmarks, tooltips).
- Designing mobile-responsive dashboards.
- Balancing aesthetics with functionality for user engagement.

Unit Four - Data Storytelling and Advanced Visualization:

- Translating data insights into compelling narratives.
- Selecting the right visualizations for specific data types.
- Creating dynamic narratives with annotations and text boxes.
- Using AI-powered visuals (Key Influencers, Q&A).
- Incorporating external media (images, URLs) for context.
- Case study: Building a start-to-finish data story.

Unit Five - Collaboration, Deployment, and Real-World Applications:

- Managing workspaces and user roles in Power BI Service.
- Configuring data gateways for on-premises data sources.
- Automating report updates with scheduled refreshes.
- Integrating Power BI with Microsoft Teams and SharePoint.
- Security best practices: Row-Level Security (RLS).
- Final project: Designing a dashboard for a real-world business scenario.