



Introduction to Power BI

Best Practices and Real-World Use Cases for End Users

2 Days Training



COURSE OVERVIEW

This course teaches Power BI essentials for data analysis and visualization. Participants will learn to connect data, model it, and create impactful dashboards, gaining the skills to build reports that enhance decision-making and collaboration.

COURSE OBJECTIVE

- Learn to connect, transform, and model data in Power BI.
- Design effective, interactive dashboards and reports.
- Share and collaborate on reports to drive data-driven decisions.

RECOMMENDED FOR

Ideal for analysts, managers, business owners, and data-driven team leaders.

COURSE HIGHLIGHTS



Learn to import, transform, and model data with ease.



Build dynamic, visually impactful dashboards.



Master DAX functions for deeper data analysis.



Share and collaborate on reports via Power BI service.

Course Outline

Day 1

Introduction to Power BI and Basic Features

1

Introduction to Power BI

- Overview of Power BI
- Installation and Setup
- Power BI Components (Power Query, Power Pivot, Power View)

2

Data Importing and Transformation

- Connecting to Data Sources (Excel, CSV, SQL, and more)
- Data Transformation Techniques ((Data cleaning, filtering, and shaping)
- Basic Data Modeling (Relationships between tables, creating a data model)

3

Basic Visualizations

- Creating Basic Charts and Graphs (Bar, Line, Pie charts) Using Filters and Slicers to interact with data
- Dashboard Design Principles (Best practices for creating visually appealing dashboards)

Learning Outcome: Participants will gain a foundational understanding of Power BI, learn how to import and transform data, and create basic visualizations. By the end of the day, they will be capable of designing simple but effective dashboards.

Course Outline

Day 2

Intermediate Skills and Advanced Features

1

Advanced Data Modeling

- Managing Relationships and Building Data Models
- Introduction to DAX (Data Analysis Expressions) for basic formulas and functions
- Time Intelligence in Power BI (Creating dynamic date-based insights)

2

Advanced Visualizations

- Creating Complex Charts
- Designing Interactive Visuals (Tooltips, drill-throughs, bookmarks)
- Custom Visuals (Using Power BI Marketplace to add specialized visuals)

3

Publishing and Sharing

- Publishing Reports and Dashboards to Power BI Service
- Overview of Power BI Service (Cloud-based sharing and collaboration)
- Collaboration Features (Sharing reports, dashboards, and enabling access control)

Learning Outcome: By the end of the second day, participants will be able to model complex data, utilize advanced DAX functions, create interactive and complex visualizations, and effectively share their reports and dashboards using the Power BI service.

Trainer Profile

Azhan Bin Abdullah Director / Lead Trainer, MatrixC Academy



Azhan Abdullah is an accomplished IT Director and seasoned trainer with over two decades of experience in cloud platform implementation, business intelligence, digital storytelling, and dashboard training. Having worked extensively in both the government and banking sectors, Azhan's expertise spans large-scale automation projects, data integration, and process optimization. His unique approach to training focuses on real-world use cases, offering participants practical insights drawn from his years of managing high-impact projects across industries.

Azhan specializes in training professionals to use AI-powered tools like Google Vids and Suno.AI to enhance corporate communication, marketing, and training initiatives. In addition, he provides comprehensive dashboard training, teaching teams how to leverage data visualization and storytelling for enhanced decision-making and project tracking. With a focus on hands-on learning and practical application, Azhan empowers organizations to produce engaging, professional-quality content and optimize internal processes, driving both operational efficiency and brand visibility.