

€ TRAINING

Basic Power BI



6 - 10 October 2024
Istanbul (Turkey)



Basic Power BI

REF: B1404 DATE: 6 - 10 October 2024 Venue: Istanbul (Turkey) - Fee: 5850 Euro

Introduction:

Power BI is a powerful tool for data analysis and visualization that enables users to transform raw data into meaningful insights. This training program is designed to help participants master the basics of Power BI, from importing data to creating interactive dashboards and sharing insights.

Program Objectives:

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

- Navigate Power BI, import data, and grasp data modeling fundamentals.
- Create interactive reports and dashboards to visualize data effectively.
- Use Power Query for data manipulation and transformation.
- Collaborate securely and integrate Power BI with Microsoft tools.
- Apply advanced DAX calculations for complex data analysis and decision-making.

Targeted Audience:

- Data analysts.
- Business intelligence professionals.
- IT professionals.
- Business users.

Program Outlines:

Unit 1:

Introduction to Power BI Basics:

- Overview of Power BI and its benefits for data analysis.
- Understanding Power BI Desktop vs. Power BI Service.
- Navigating the Power BI interface and workspace.
- Importing data from Excel and CSV files.

- Basic data cleaning and shaping using Power Query.

Unit 2:

Data Visualization Fundamentals:

- Creating basic visualizations bar charts, line charts, pie charts.
- Applying formatting and customization to visuals.
- Using filters and slicers for interactive reporting.
- Designing simple dashboards to visualize data insights.
- Best practices for visual design and layout in Power BI.

Unit 3:

Introduction to Data Modeling:

- Basics of data modeling in Power BI tables, columns, relationships.
- Creating simple relationships between tables.
- Introduction to calculated columns and basic DAX measures.
- Understanding basic data modeling techniques for effective analysis.
- Optimizing data models for performance and usability.

Unit 4:

Sharing and Collaboration:

- Overview of sharing options in Power BI publish to web, share within organization.
- Managing security and permissions for shared reports and dashboards.
- Collaborating on reports and dashboards with colleagues.
- Using Power BI apps for distributing content to users.
- Integrating Power BI with other Microsoft tools like Excel and SharePoint.

Unit 5:

Practical Applications and Next Steps:



- Reviewing practical applications of Power BI in business scenarios.
- Exploring additional resources and learning paths for continued skill development.
- Troubleshooting common issues in Power BI usage.
- Guidance on next steps for further exploring Power BI capabilities.