



Power BI – Get started

Description

Master Your Data with Microsoft Power BI

Discover how to turn your data into real insights with our Power BI training. Whether you're a beginner or an advanced user, this program will guide you through creating interactive reports, optimizing visuals, and managing DAX calculations. You will learn how to structure your datasets, use tools like Power BI Desktop, and leverage best practices. With Power BI, make your data speak and improve your decision-making efficiency.

Create Powerful and Dynamic Reports

In this Power BI training, gain comprehensive mastery of the Power BI ecosystem, from data preparation to visualization.

Course Content

Module 1: Introduction to the Power BI Ecosystem

- Introduction
- Recommended Technical Configuration
- Understanding the Differences Between Licenses (Free, Pro, and Premium)
- About the Power BI Ecosystem of Languages

Module 2: Creating Data Sets

- Creating Data Sets from Relational Databases
- Import vs. Direct Query vs. Live Connection
- Creating Data Sets from Data Files (*.txt, *.accdb, *.xlsbs, *.csv, *.xml, *.json, etc.)
- Creating Data Sets from Other Sources

Module 3: Data Transformation

- Defining Metadata
- Filtering Rows
- Sorting Rows

- Removing Columns
- Renaming Queries
- Best Practices (naming conventions, synonyms, comments, R, Python, creating a business model, etc.)
- Combining (joining) Queries
- Creating Tables "on the Fly"

Module 4: Initial Work with Visuals

- Creating Visualizations in Power BI
- Configuring Fields for Visualizations
- Formatting Fields in the Modeling
- Formatting Visuals
- Trend Lines for Visuals
- Page Formatting and Configuration

Module 5: Visualization and Analysis

- Creating What-If Parameters
- Creating Tooltip and Drill-Through Pages
- Switching between Mobile and PC Views
- Filtering and Drilling Down on Visuals
- Segment/Dropdown Filtering
- Controlling Links between Elements and Filters
- Controlling Visual Interaction Effects
- Data Updates
- Scheduling Automatic Updates
- Exporting Data Models as Pivot Tables in Excel
- Performance Analyzer

Module 6: Data Management and DAX Calculations

- Defining Metadata
- Filtering Rows
- Sorting Rows
- Removing Columns

Module 7: Advanced Data Organization

- Behavior of Power Query Parameters with Power BI File Models
- Creating a Date Table
- Customization and Controls
- Creating Hierarchies or Measure Folders/Subfolders
- Configuring Properties
- Using Dynamic Parameters
- Creating a Calendar Table (in DAX)

Module 8: Data Relationships and DAX Measures

- Combining (merging) Queries
- Adding a Column
- Concatenating Columns
- Creating Relationships

Module 9: Tools and Add-Ons

- Related Tools (Excel Analyzer, Gateway, Report Paginator)
- Recommended Add-Ons (DAX Studio, DAX Formatter, Power BI Helper, Theme Generator, etc.)

Module 10: Report Publishing and Sharing

- Publishing a Report
- Using Power BI Services Bookmarks
- Sharing a Report and Managing Shares
- Generating a QR Code for Easy Sharing
- Creating, Managing, and Using Datasets

Documentation

- Digital courseware included

Participant profiles

- Engineers
- Business analysts
- Data analysts and financials
- Excel users who want to automate their work more efficiently than with macros

Prerequisites

- No prerequisites

Objectives

- Have the skills to use Power BI to acquire and transform data
- Improve data for analysis and reporting and dashboards
- Prepare for Power Query, DAX and Power BI Service training

Description

Power BI Training - Get started

Niveau

Fondamental

Classroom Registration Price (CHF)

2300

Virtual Classroom Registration Price (CHF)

2150

Duration (in Days)

3

Reference

MPB-11