

Microsoft Power BI - Complete Training - Beginner to Expert



BPC-136 10 Days (Hours)

Description

This training takes you from **Beginner** to **Expert** in Microsoft Power BI!

You will learn how to create professional data models with dynamic and interactive visualization dashboards.

We start with the most important basics of Power BI and go deeper in a very practical way using case studies. You will learn about the **most important features** and be prepared to work successfully on the most complex applications.

Who is this training for ?

For whom

- Data analysts
- Financial analysts
- People who want to learn a new technology
- Anyone who wants to learn Power BI in a complete and effective way
- Anyone who wants to analyze and visualize their data with Power BI
- All levels

Prerequisites

None

Training objectives

- Create professional data models in Power BI
- Produce high-quality reports
- Import different data sources such as Excel, CSV, web files into Power BI
- Transform data via Power Query
- Understand the cardinality of relationships
- Model relationships of individual dimensions
- Create visualizations and diagrams
- Create highly professional dashboards interactively

- Analyze data quickly, dynamically and efficiently using ad hoc reports
- Export data to the cloud and publish reports

Training program

Découvrir et installer Power BI

- Introduction
- Discovering Power B
- Installing Power BI

Power BI-Niveau débutant

- Discovery of the Power BI interface and Data Import
- Transform, Model and Visualize - Practical Case
- PowerQuery Editor - Overview
- Transform data with PowerQuery - Part 1
- Transform data with PowerQuery - Part 2
- Data model
- Creating Visuals
- Visuals and Format
- Visuals Continuation and end

Services Power BI

- Introduction - Power BI Service
- Power BI Service Interface
- Reports and Dashboards
- Report Sharing

Power BI-Niveau Intermédiaire

- Prepare your project
- Section objective
- Data import and transformation
- Visualization
- Data model
- Import a project

Transformation des données

- Exploring Power Query
- Connecting data sources
- Editing rows
- Editing data types data
- Save, Apply, Close
- Importing CSV
- Importing data from the web
- Extract
- Split columns
- Conditional columns
- Columns from examples
- Joins
- Merging queries
- Pivot and Unrotate
- Adding queries
- Application
- Star Schema
- Star Schema
- Load dimension tables
- Organization of queries
- Manual table creation
- Index column
- End of section
- Exercise
- Exercise correction

Modèle de données

- What is a data model
- Create / modify a relationship
- Cardinality
- Cross filter direction
- Manage relationships
- Exercise
- Solution Exercise

Visualisation des données

- First visual
- Formatting
- Tables
- Conditional formatting
- Pie charts - Pie chart
- Segments
- Filter pane
- Edit interactions
- Exercise
- Correction Exercise
- Segment synchronization
- Drill-down
- Drill-through
- Treemap
- Decomposition tree
- Matrix
- Page Layout
- Buttons
- Bookmarks
- Forecast and Charts curves
- Q/A

Power BI -Niveau avancé

Transformations avancées

- Advanced Editor
- Duplicate Vs Reference
- Loaded and Unloaded
- Group by
- Mathematical operations
- Parameters
- Exercise
- Correction Exercise

DAX

- Prepare the project
- Aggregation functions in DAX
- Create a measure with SUM
- The DAX syntax
- Measurement format
- COUNT and COUNTROWS function
- Modify or delete a measurement
- Add a comment
- Move a measurement
- The COUNTBLANK function
- The DISTINCTCOUNT function
- Calculated column vs Measurement
- Implicit measurements VS Explicit measurements
- Measurements with operators
- The DIVIDE function
- Iterators and SUMX
- The Date and Time functions
- The DATEDIFF function
- Logic functions in DAX
- The FIND function
- The IF function
- The OR operator
- The CALCULATE function
- The SWITCH function
- The temporal intelligence functions

Power BI et R

- Download and install R
- Setup in Power BI
- Import data with R
- Install packages R
- Transforming data with R
- Visualizing data with R

Power BI et Python

- Configuration in Power BI
- Import data with Python
- Visualizing data with Python