Prepare and visualize data with Microsoft Power BI (DP-605)

Description

Develop your data visualization skills

Microsoft Power BI has become an essential tool for effectively visualizing data in the professional world. With our course, "Preparing and Visualizing Data with Microsoft Power BI (DP-605)", you'll learn how to easily connect to various data sources. You'll also be able to transform and structure this data to create interactive and relevant reports. This training is specifically designed to help you make precise, data-driven decisions through data analytics.

Comprehensive training for high-performance interactive reports

You'll discover how to fully utilize Power BI to create appealing reports, simplify the interpretation of results, and enhance your analytical performance. You'll also master Microsoft Fabric, allowing you to centralize your entire analytical approach on one integrated platform. Through practical and concrete exercises, you'll deepen your understanding of key stages: retrieving data from multiple sources such as Excel, relational databases, or NoSQL databases, thorough data cleaning using Power Query, and optimized design of semantic models.

Course Content
Module 1: Get started building with Power BI

- Use Power BI
- Building blocks of Power BI
- Tour and use the Power BI service

Module 2: Get data in Power BI

- Get data from files
- Get data from relational data sources
- Create dynamic reports with parameters
- Get data from a NoSQL database
- Get data from online services
- Select a storage mode
- Get data from Azure Analysis Services
- Fix performance issues
- Resolve data import errors

Module 3: Clean, transform, and load data in Power BI

- Shape the initial data
- Simplify the data structure
- Evaluate and change column data types
- Combine multiple tables into a single table
- Profile data in Power BI
- Use Advanced Editor to modify M code

Module 4: Design a semantic model in Power BI

- Work with tables
- Create a date table
- Work with dimensions
- Define data granularity
- Work with relationships and cardinality
- Resolve modeling challenges

Module 5: Design Power BI reports

- Design the analytical report layout
- Design visually appealing reports
- Report objects
- Select report visuals
- Select report visuals to suit the report layout
- Format and configure visualizations
- Work with key performance indicators

Module 6: Create interactive reports using Copilot for Power BI

- Prepare your data for use with Copilot for Power BI
- Use Copilot for Power BI to model your data
- Create reports with Copilot for Power BI
- Create summaries with Copilot for Power BI

Module 7: Introduction to end-to-end analytics using Microsoft Fabric

- Explore end-to-end analytics with Microsoft Fabric
- Data teams and Microsoft Fabric
- Enable and use Microsoft Fabric

Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

Documentation

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

Participant profiles

- Data analyst
- Business analyst
- Junior data scientist
- Reporting manager

Prerequisites

- Understand the fundamentals of data analytics
- Have practical experience with Microsoft Excel
- Master essential database concepts

Objectives

- Create interactive reports in Power BI
- Efficiently import data from various sources
- Clean and transform data with Power Query
- Design a high-performance semantic model
- Select the most suitable visualizations
- Use Copilot to automate reports
- Integrate analytics with Microsoft Fabric

Description
Prepare and visualize data with Microsoft Power BI (DP-605)
Niveau
Fondamental
Classroom Registration Price (CHF)
900
Virtual Classroom Registration Price (CHF)
850
Duration (in Days)
1
Reference
DP-605