Prepare and visualize data with Microsoft Power BI

CODICE	DP-605T00
DURATA	1 gg
PREZZO	420,00 €
EXAM	

DESCRIZIONE

This course is designed as an introduction to Power BI for data analysis and reporting. Skills include connecting to data and basic data preparation tasks using Power Query, designing report pages for optimal user experience, and exploring how Copilot in Power BI aids the report development process.

TARGET

This course is intended for professionals interested in transforming data into interactive reports using Power BI to deliver insights and support decision-making. No prior experience with Power BI is required.

PREREQUISTI

Completion of the Get started with Microsoft data analytics is recommended as you should be familiar with data and analytics concepts.

CONTENUTI

Get started building with Power BI

Learn about Power BI, the building blocks and flow of Power BI, and how to create compelling, interactive reports.

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

Get data in Power BI

You'll learn how to retrieve data from a variety of data sources, including Microsoft Excel, relational databases, and NoSQL data stores. You'll also learn how to improve performance while retrieving data.

- Introduction
- 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
- Exercise - Get data in Power BI
- Check your knowledge

Clean, transform, and load data in Power BI

Power Query has an incredible number of features that are dedicated to helping you clean and prepare your data for analysis. You'll learn how to simplify a complicated model, change data types, rename objects, and pivot data. You'll also learn how to profile columns so that you know which columns have the valuable data that you’re seeking for deeper analytics.

- Introduction
- 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
- Exercise - Load data in Power BI Desktop
- Check your knowledge

Configure a semantic model

Semantic models organize complex data into an intuitive structure, enhancing data visualization and enabling efficient, insightful reporting for better decision-making.

- Introduction
- Configure relationships
- Configure tables
- Configure columns
- Configure hierarchies
- Configure measures
- Configure parameters
- Exercise - Configure a semantic model in Power BI Desktop

- Check your knowledge

Design Power BI reports

Design effective Power BI reports that are visually appealing and easy to understand with consistent report structure, interactive objects, and filtering.

- Introduction
- Design the analytical report layout
- Design visually appealing reports
- Use report objects
- Select report visuals
- Apply filters and slicers to reports
- Understand filtering techniques and considerations
- Case study - Configure report filters based on feedback
- Exercise - Design Power BI reports
- Check your knowledge

Get started with Copilot in Power BI

Copilot in Power BI increases productivity when developing semantic models and reports using Power BI. Copilot also allows you to interact with your data using natural language to gain insights.

- Introduction
- Use Copilot in Power BI to prepare and model data
- Create reports with Copilot in Power BI
- Get your data ready for AI usage in Power BI
- Module assessment

Introduction to end-to-end analytics using Microsoft Fabric

Discover how Microsoft Fabric can meet your enterprise's analytics needs in one platform. Learn about Microsoft Fabric, how it works, and identify how you can use it for your analytics needs.

- Introduction
- Explore end-to-end analytics with Microsoft Fabric
- Explore data teams and Microsoft Fabric
- Enable and use Microsoft Fabric
- Module assessment