

## Prepare and visualize data with Microsoft Power BI

**Courses Code:** DP-605T00

**Duration:** 1 Day

**Delivery Mode:** Instructor-led Training (ILT) | Virtual Instructor led Training (VILT)

### Overview

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.

### Skills Covered

- How Power BI services and applications work together.
- Explore how Power BI can make your business more efficient.
- How to create compelling visuals and reports.
- Identify and connect to a data source
- Get data from a relational database, like Microsoft SQL Server
- Get data from a file, like Microsoft Excel
- Get data from applications
- Get data from Azure Analysis Services
- Select a storage mode
- Fix performance issues
- Resolve data import errors
- Resolve inconsistencies, unexpected or null values, and data quality issues.
- Apply user-friendly value replacements.
- Profile data so you can learn more about a specific column before using it.
- Evaluate and transform column data types.
- Apply data shape transformations to table structures.
- Combine queries.
- Apply user-friendly naming conventions to columns and queries.
- Edit M code in the Advanced Editor.
- Set modeling options.
- Create and configure relationships.
- Configure table and column properties.
- Create hierarchies.
- Create quick measures.
- Create numeric range and field parameters.
- Report structure.
- Report objects.



- Different visualization types.
- Use Copilot in Power BI during report development.
- Prepare semantic models for use with AI.
- Interact with data using natural language in Copilot Chat.
- Identify the capabilities of Microsoft Fabric.
- Implement Microsoft Fabric to meet your enterprise's analytics needs.

### Who Should Attend

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.

### Prerequisites

Before starting this learning path, you should be familiar with data and analytics concepts.

### Course Modules

#### 1. 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.

#### 2. 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.

#### 3. 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.

#### 4. 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.

#### 5. 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.



## 6. 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.

## 7. 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.

Ref: <https://trainocate.com/courses/microsoft/dp-605t00-develop-dynamic-reports-with-microsoft-power-bi-training>

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