# Power BI Desktop for Technical Users Training

Duration: **2 Day**

BİLGİNÇ IT Academy
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## Overview

This training is a beginner-friendly course that provides the essential technical skills required to connect to data sources, build models, and create impactful data visualizations using Power BI Desktop.

Designed as a fully hands-on program, this course enables participants to understand the Power BI ecosystem, transform data with Power Query, model data using relationships and hierarchies, and deliver visually effective dashboards and reports.

## Why Choose This Course?

- Learn Power BI Desktop from scratch with real-world exercises
- Gain confidence in designing and delivering data-driven reports
- Understand the full Power BI ecosystem and deployment workflows
- Create compelling, interactive dashboards for business insights
- Perfect foundation for advanced Power BI learning paths

## Prerequisites

There are no formal prerequisites. This course is suitable for users new to Power BI Desktop and data modeling.

## Virtual Classroom Requirements

For remote learners:

- An additional monitor (minimum 19”) is required
- Minimum resolution: **1280x1024** (with 1024 vertical pixels being essential)
- Remote access provided through GoToMyPC or LearnOnDemand environments

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## Who Should Attend

This course is ideal for:

- IT professionals and business analysts who want to develop Power BI reports
- Power users and non-developers working with data and creating dashboards
- Anyone new to Power BI Desktop looking to build foundational skills

## What You Will Learn

By the end of this training, you will have gained knowledge and skills in the following areas:

**Import and Connect to Data Sources:**
Connect Power BI to Excel, CSV, Azure SQL Databases and other formats.

**Clean and Transform Data:**
Use Power Query Editor and M language to clean, normalize, and shape data efficiently.

**Model Your Data:**
Establish relationships, define calculated columns/measures, and create hierarchies for accurate analysis.

**Create Interactive Visuals and Dashboards:**
Design dynamic reports with charts, slicers, maps, drillthrough pages, bookmarks, custom tooltips, and more.

**Understand Power BI Architecture:**
Learn how Power BI Desktop integrates with Power BI Service, Analysis Services, and enterprise data platforms.

## Outline

### Module 1: Power BI Overview

- Introduction to Power BI Desktop
- Integration with Power BI Service and data warehouses
  **Lab:** Installing Power BI Desktop

### Module 2: Accessing Data

- Importing data from CSV, Excel, and Azure SQL Databases
  **Lab:**

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- Connecting to live data sources
- Importing and combining datasets

### Module 3: Data Transformation

- Power Query Editor walkthrough
- Using M language to clean and reshape data
  **Lab:**
- Remove unwanted columns/rows
- Normalize datasets
- Merge data
- Import multiple Excel files

### Module 4: Data Modeling

- Creating relationships, calculations, and hierarchies
  **Lab:**
- Managing table relationships
- Customizing field views
- Defining measures and calculated columns

### Module 5: Visualizations and Reports

- Building interactive report pages
  **Lab:**
- Adding charts, tables, and maps
- Implementing slicers and drillthrough pages
- Creating bookmarks, selection panels, buttons
- Building custom tooltips