# Work smarter with Copilot in Microsoft Fabric Training

Duration: **1 Day**

BILGINÇ IT Academy
info@bilginc.com
bilginc.com

## Overview

This course introduces learners to the **practical use of Copilot** across **Microsoft Fabric and Power BI**, demonstrating how AI can streamline **data engineering and analytical workflows**.
It focuses on **enhancing productivity** rather than teaching data concepts from scratch.

Participants explore how Copilot:

- Transforms data in **Dataflow Gen2**,
- Automates repetitive **data pipeline tasks**,
- Assists in **notebook analytics and code generation**,
- Generates queries in **SQL-based data warehouse environments**,
- Builds **reports and insights in Power BI**,
- Enables **conversational data interaction** using Fabric Data Agents.

## Prerequisites

No formal prerequisites required.
However, learners will benefit from:

- Basic understanding of **data concepts** and **Microsoft Fabric architecture**
- Experience in **data preparation, transformation, and modeling** with Power BI
- Awareness of **business-oriented analytical problem solving**

## Who Should Attend

- Data engineers and analysts seeking higher efficiency using AI tools
- Power BI professionals who create reports and dashboards
- Data professionals looking to adopt **AI-supported workflows**

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## What You Will Learn

By the end of this course, learners will be able to:

- Explain how Copilot enhances productivity across Microsoft Fabric
- Use Copilot in **Dataflow Gen2** for data transformation
- Apply Copilot in **Notebooks** for analysis and code generation
- Generate SQL queries and analyse data using Copilot
- Build reports and visuals in **Power BI** with AI assistance
- Interact with organisational data using **Fabric Data Agents**
- Manage Copilot features and settings across Fabric
- Adapt to evolving **AI model outputs and UI changes**

## Outline

### Introduction to Copilot in Fabric

- Overview of Copilot capabilities
- How Copilot supports common data engineering and analytics tasks
- The focus on productivity, not fundamentals

### Using Copilot for Data Engineering

- Working with **Dataflow Gen2** for transformations
- Automating repetitive data preparation tasks
- Guided productivity examples

**Lab:** Smart data preparation using Copilot in Dataflow Gen2
**Lab:** Data analysis with Apache Spark and Copilot in Fabric Notebooks

### Using Copilot for Data Warehouse Tasks

- Applying Copilot to support SQL-based data exploration
- Generating queries and analysing warehouse data
- Understanding Copilot as a supportive assistant, not a replacement

**Lab:** Using Copilot in Microsoft Fabric Data Warehouse

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### Using Copilot in Power BI

- Leveraging Copilot to build reports, visuals, and insights
- Accelerating data-to-insight workflows

### Using Fabric Data Agents

- Introduction to **Conversational Analytics**
- Chatting with data using AI
- Combining prompts with structured queries

**Lab:** Chat with data using Microsoft Fabric Data Agents

### Managing Copilot in Fabric

- Managing and monitoring Copilot features
- Administrative considerations and governance
- Preparing for UI and model variability

## Hands-On Learning

This course provides **lab-based, guided practice** within Microsoft Fabric, enabling learners to apply AI tools in real-world scenarios:

- Dataflow automation
- Notebook analysis
- SQL query generation
- Power BI reporting
- Conversational data exploration