# Design and manage analytics solutions using Power BI (PL-300) Training

Duration: **4 Day**

BİLGİNÇ IT Academy
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## Overview

The {*training} offers a comprehensive journey into data analysis using Power BI and Microsoft Fabric. Designed to transform raw data into actionable insights, this course equips participants with the skills to connect, clean, model, and visualize data efficiently.

You'll learn how to:

- Create semantic models using DAX
- Design compelling reports and dashboards
- Optimize Power BI performance
- Implement row-level security
- Use Copilot and Microsoft Fabric for end-to-end analytics

This course aligns with the PL-300 certification and prepares learners for real-world business intelligence challenges.

## Why Take This PL-300 Power BI Course?

- Aligned with official Microsoft certification (PL-300)
- SEO-optimized knowledge for data-driven organizations
- Hands-on labs for real-world skills
- Covers latest tools like Microsoft Copilot & Fabric
- Learn directly from certified trainers

## Prerequisites

While there are no formal prerequisites, the following knowledge is recommended:

- Understanding of basic data and statistics concepts (e.g., tables, trends, averages)
- Familiarity with Excel (pivot tables, charts, formulas)
- Exposure to data sources such as Excel, SQL, or cloud services
- Basic IT and software navigation skills
- Prior experience with Power BI Desktop or Service is a plus

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New to Power BI? We recommend starting with:
[Power BI Desktop for Business Users]
[Power BI Desktop for Technical Users]

## Who Should Attend

This course is ideal for:

- Data analysts and BI professionals seeking to enhance data visualization skills
- Professionals creating reports from on-premises and cloud data platforms
- Candidates preparing for the Microsoft PL-300 certification

## What You Will Learn

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

- Ingest and transform data using Power Query
- Build scalable semantic models with DAX
- Create professional-level reports and dashboards
- Perform advanced report analytics
- Apply AI-powered features like Copilot
- Manage workspaces, dashboards, and data access securely

## Outline

### Module 1: Discover Data Analysis

- Data analyst roles and core responsibilities

### Module 2: Introduction to Microsoft Data Analytics

- How Power BI services and apps work together
- Real-world use cases and business impact

### Module 3: Connect to Data in Power BI

- Source connectivity, import modes, and troubleshooting

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### Module 4: Clean and Transform Data

- Handle missing data, shape columns, and apply naming conventions

### Module 5: Build Semantic Models

- Star schema modeling and relationships

### Module 6–7: Enhance Models with DAX

- Measures, calculated columns, and filter context
- Custom date tables for time intelligence

### Module 8: Optimize Performance

- Improve model efficiency with variables and diagnostics

### Module 9: Visual Calculations

- Understand differences from standard measures
- Use parameters in visual calculations

### Module 10: Design Reports

- Choose the right visuals, formatting, and interactivity

### Module 11: Enhance UX

- Navigation, bookmarks, tooltips, and drillthroughs

### Module 12: Advanced Analytics

- Use grouping, binning, clustering, and trend detection

### Module 13: Manage Workspaces

- Permissions, sharing, and workspace items

### Module 14: Semantic Model Management

- Data refresh, lineage, incremental load, and gateways

### Module 15: Create Dashboards

- Pin visuals, apply themes, and set mobile layouts

### Module 16: Implement Row-Level Security

- Static and dynamic RLS methods

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### Module 17: Explore Copilot in Power BI

- Use AI to build visuals, reports, and summaries

### Module 18: End-to-End Analytics with Microsoft Fabric

- Analytics lifecycle and Fabric roles