

# PL-300T00: Design and manage analytics solutions using Power BI

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## Course Description

This course covers the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI. The course will show how to access and process data from a range of data sources including both relational and non-relational sources. Finally, this course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution.

## Course Duration

3 days

## Course Outline

- Explore the analytics process that turns data into insights
- Get started building with Power BI
- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with Copilot in Power BI
- Get data in Power BI
- Clean, transform, and load data in Power BI
- Choose a Power BI model framework
- Configure a semantic model
- Write DAX formulas for semantic models
- Create DAX calculations in semantic models
- Modify DAX filter context in semantic models
- Use DAX time intelligence functions in semantic models
- Create visual calculations in Power BI Desktop
- Scope report design requirements
- Design Power BI reports
- Enhance Power BI report designs for the user experience
- Perform analytics in Power BI
- Manage workspaces in Power BI service
- Manage semantic models in Power BI
- Choose a content distribution method
- Create dashboards in Power BI
- Secure data access in Power BI

## Who Should Attend

The audience for this course is data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI. This course is also targeted at those individuals who develop reports that visualize data from the data platform technologies that exist both in the cloud and on-premises.