



Power BI

PL-300T00: Microsoft Power BI Data Analyst

\$1,895.00

- 3 Days

Upcoming Dates

Jun 09 - Jun 11

Jul 21 - Jul 23

Aug 25 - Aug 27

Sep 29 - Oct 01

Nov 03 - Nov 05

Dec 15 - Dec 17

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 Outline

Learning Path 01: Get started with Microsoft data analytics

In this Learning Path, businesses need data analysis more than ever. In this learning path, you will learn about the life and journey of a data analyst, the skills, tasks, and processes they go through in order to tell a story with data so trusted business decisions can be made. You will learn how the suite of Power BI tools and services are used by a data analyst to tell a compelling story through reports and dashboards, and the need for true BI in the enterprise.

Modules:

- Discover data analysis
- Get started building with Power BI

Lab:

- None

Learning Path 02: Prepare data for analysis with Power B

In this Learning Path, you'll learn how to use Power Query to extract data from different data sources, choose a storage mode, and connectivity type. You'll also learn to profile, clean, and load data into Power BI before you model your data.

Modules:

- Get data in Power BI

- Clean, transform, and load data in Power BI

Lab:

- Prepare data in Power BI Heading

Learning Path 03: Model data with Power BI

In this Learning Path, learn what a Power BI semantic model is, which data loading approach to use, and how to build out your semantic model to get the insights you need.

Modules:

- Design a data model in Power BI
- Write DAX formulas for Power BI Desktop models
- Add measures to Power BI Desktop models
- Add calculated tables and columns to Power BI Desktop models
- Use DAX time intelligence functions in Power BI Desktop models

Labs:

- Design a data model in Power BI Desktop
- Create DAX calculations in Power BI Desktop
- Advanced DAX calculations in Power BI Desktop

Learning Path 04: Build Power BI visuals and reports

In this Learning Path, turn data into interactive, actionable insights with Power BI Desktop visuals and reports.

Modules:

- Design Power BI reports
- Configure Power BI report filters
- Enhance Power BI report designs for the user experience
- Perform analytics in Power BI

Labs:

- Design a report in Power BI Desktop
- Design a report in Power BI Desktop
- Perform data analysis in Power BI

Learning Path 05: Manage workspaces and datasets in Power BI

In this Learning Path, you'll learn how to publish Power BI reports to the Power BI service. You'll also learn how to create workspaces, manage related items, and data refreshes for up-to-date reports. Additionally, implement row-level security to restrict user access to relevant data without the need for multiple reports.

Modules:

- Create and manage workspaces in Power BI
- Manage datasets in Power BI
- Create dashboards in Power BI
- Implement row-level security

Labs:

- Create a Power BI dashboard

- Exercise name

Audience

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

Prerequisites

Successful Data Analysts start this role with experience of working with data in the cloud.

Specifically:

- Understanding core data concepts.
- Knowledge of working with relational data in the cloud.
- Knowledge of working with non-relational data in the cloud.
- Knowledge of data analysis and visualization concepts.

You can gain the prerequisites and a better understanding of working with data in Azure by completing the Microsoft Azure Data Fundamentals course before taking this course.

What You Will Learn