



# Data Analysis Using Microsoft Power BI

## Course Overview

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 Objectives

When you complete this Power BI course, you will be able to accomplish the following:

- Ingest, clean, and transform data.
- Model data for performance and scalability.
- Design and create reports for data analysis.
- Apply and perform advanced report analytics.
- Manage and share report assets.

## Course Duration

32 hours to be delivered in 4 consecutive days for 8 hours each.

## Course outline

**Module 1:** Get Started with Microsoft Data Analytics.

**Module 2:** Prepare Data in Power BI

**Module 3:** Clean, Transform, and Load Data in Power BI

**Module 4:** Design a Data Model in Power BI

**Module 5:** Create Measures using DAX in Power BI

**Module 6:** Optimize Model Performance

**Module 7:** Create Reports

**Module 8:** Create Dashboards

**Module 9:** Create Paginated Reports in Power BI

**Module 10:** Perform Advanced Analytics

**Module 11:** Create and Manage Workspaces

**Module 12:** Manage Datasets in Power BI

**Module 13:** Row-level security



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