

Course Title: Introduction to Power BI

Duration: 1 day

Mode of Delivery: Online/ Classroom/ Onsite

Course Overview

The goal of the "Introduction to Power BI" course is to give students the knowledge and abilities they need to use Microsoft Power BI to analyze data and derive insightful conclusions. Anyone wishing to become an expert in Power BI data visualization and analytics should take this extensive course.

Course Prerequisites

1. In order to optimize your learning outcomes in the Introduction to Power BI course, it is advised that you fulfill the following prerequisites:
2. Knowledge of Microsoft Windows and the fundamentals of using the operating system.
3. A fundamental knowledge of data concepts, including databases, data structures, and data processes.
4. It helps to have prior Excel experience, especially with formulas and making charts and tables.
5. A readiness to learn about the principles of data analysis and visualization.

Course Modules

Module 1: Discover data analysis

In this module, you explore the different roles in data and learn the different tasks of a data analyst.

- Introduction
- Overview of data analysis
- Roles in data
- Tasks of a data analyst

Module 2: Get started building with Power BI

Learn what Power BI is, including its building blocks and how they work together.

- Introduction
- Use Power BI
- Building blocks of Power BI

- Tour and use the Power BI service

Module 3: Describe the capabilities of Microsoft Power BI

Learn how you can leverage Power BI to easily build reports and dashboards with interactive visualizations and see how other organizations have used this solution to drive business results with actionable insights.

- Introduction
- Describe using Power BI to build data-driven analytics
- Explore the different Power BI elements
- Describe cleaning and transforming data
- Describe using AI Insights to spot trends and anomalies
- Build a basic dashboard
- Consider the business value of Power BI

Module 4: Explore what Power BI can do for you

As a consumer, you can use the Power BI service to review and interact with content that's been shared with you. This module provides the foundational information that you need to work effectively in the Power BI service.

- What can I do with the Power BI service as a consumer?
- View content in the Power BI service
- Explore Power BI using dashboards, reports, and apps
- Collaborate and share in Power BI
- Find and view dashboards and reports

Module 5: Get data in Power BI

You'll learn how to retrieve data from a variety of data sources, including Microsoft Excel, relational databases, and NoSQL data stores. You'll also learn how to improve performance while retrieving data.

- Introduction
- Get data from files
- Get data from relational data sources

- Create dynamic reports with parameters
- Get data from a NoSQL database
- Get data from online services
- Select a storage mode
- Get data from Azure Analysis Services
- Fix performance issues
- Resolve data import errors
- Exercise - Prepare data in Power BI Desktop