

Prepare and visualize data with Microsoft Power BI

Course DP-605

1 Days

Instructor-led, Hands-on

Introduction

This course is designed as an introduction to Power BI for data analysis and reporting. Skills include connecting to data and basic data preparation tasks using Power Query, designing report pages for optimal user experience, and exploring how Copilot in Power BI aids the report development process.

Who Should Attend?

This course is intended for professionals interested in transforming data into interactive reports using Power BI to deliver insights and support decision-making. No prior experience with Power BI is required.

At Course Completion

Upon successful completion of this course, students will have the following skills and knowledge:

- Get Data in Power BI
- Clean, transform, and load data in Power BI
- Design a semantic model in Power BI
- Add measures to Power BI Desktop models
- Add calculated tables and columns to Power BI Desktop models
- Design Power BI reports
- Configure Power BI report filters
- Create and manage workspaces in Power BI
- Manage semantic models in Power BI

Prerequisites

Students should have a basic understanding of Data Analytics and Power BI.

Outline

Module 1: Get started building with Power BI

- Use Power BI
- Building blocks of Power BI
- Tour and use the Power BI service

Contact ISInc for more information at 916.920.1700 or by visiting our website at <http://www.isinc.com>

Module 2: Get data in Power BI

- 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

Module 3: Clean, transform, and load data in Power BI

- Shape the initial data
- Simplify the data structure
- Evaluate and change column data types
- Combine multiple tables into a single table
- Profile data in Power BI
- Use Advanced Editor to modify M code

Module 4: Configure a semantic model

- Configure relationships
- Configure tables
- Configure columns
- Configure hierarchies
- Configure measures
- Configure parameters

Module 5: Design Power BI reports

- Design the analytical report layout
- Design visually appealing reports
- Use report objects
- Select report visuals
- Apply filters and slicers to reports
- Understand filtering techniques and considerations
- Case study - Configure report filters based on feedback

Module 6: Get started with Copilot in Power BI

- Use Copilot in Power BI to prepare and model data
- Create reports with Copilot in Power BI
- Get your data ready for AI usage in Power BI
- Module assessment

Module 7: Introduction to end-to-end analytics using Microsoft Fabric

- Explore end-to-end analytics with Microsoft Fabric
- Explore data teams and Microsoft Fabric
- Enable and use Microsoft Fabric
- Module assessment