



20778: Analysing Data with Power BI®

Duration: 3 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Certification: Microsoft Certified Solutions Associate (MCSA): BI Reporting —
Exam 1 of 2: 70-778: Analysing and Visualizing Data with Microsoft® Power BI

Course Description

This course provides participants with the knowledge and skills to analyse data with Power BI.

Target Audience

This course is intended for:

- Technically Proficient Business Users
- BI professionals who need to analyse data utilizing Power BI.

Prerequisites

To attend this course, candidates must have professional experience in addition to the following technical knowledge:

- Basic knowledge of the Microsoft Windows® operating system and its core functionality.
- Basic knowledge of data warehouse schema topology (including star and snowflake schemas).
- Some exposure to basic programming concepts (such as looping and branching).
- An awareness of key business priorities such as revenue, profitability, and financial accounting is desirable.
- Familiarity with Microsoft Office applications – particularly Excel®.

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Describe self-service BI.
- Describe the Power BI suite of products.
- Connect to data sources and optimize data models.
- Shape and combine data from different sources.
- Model data.
- Create reports and manage solutions.
- Describe the Power BI developer API.
- Describe the Power BI mobile app.



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Course Topics

Module 1: Introduction to Self-Service BI Solutions

- Introduction to Business Intelligence
- Introduction to Data Analysis
- Introduction to Data Visualization
- Overview of Self-Service BI
- Considerations for Self-Service BI
- Microsoft Tools for Self-Service BI

Module 2: Introducing Power BI

- Power BI
- The Power BI Service

Module 3: Power BI Data

- Using Excel as a Data Source for Power BI
- The Power BI Data Model
- Using Databases as a Data Source for Power BI
- The Power BI Service

Module 4: Shaping and Combining Data

- Power BI Desktop Queries
- Shaping Data
- Combining Data

Module 5: Modelling Data

- Relationships
- DAX Queries
- Calculations and Measures

Module 6: Interactive Data Visualizations

- Creating Power BI Reports
- Managing a Power BI Solution

Module 7: Direct Connectivity

- Cloud Data
- Connecting to Analysis Services

Module 8: Development with Power BI

- The Power BI API
- Custom Visuals

Module 9: Power BI Mobile

- Power BI Mobile Apps
- Using the Power BI Mobile App

LABS INCLUDED

