

Analyzing Data with Power BI - 20778

Course Outline

Module 1: Introduction to Self-Service BI Solutions

Introduces business intelligence (BI) and how to self-serve with BI.

Lessons

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

Lab : Exploring an Enterprise BI solution

Viewing reports

Creating a Power BI report

Creating a Power BI dashboard

Module 2: Introducing Power BI

This module introduces Power BI desktop, and explores the features that enable the rapid creation and publication of sophisticated data visualizations.

Lessons

Power BI

The Power BI service

Lab : Creating a Power BI dashboard

Connecting to Power BI data

Create a Power BI dashboard

Module 3: Power BI

At the end of this module students will be able to explain the rationale and advantages of using Power BI.

Lessons

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

Lab : Importing data into Power BI

Importing Excel files into Power BI

Viewing reports from Excel files

Module 4: Shaping and Combining Data

With Power BI desktop you can shape and combine data with powerful, built-in tools. This

module introduces the tools that are available for preparing your data, and transforming it into a form ready for reporting.

Lessons

Power BI desktop queries

Shaping data

Combining data

Lab : Shaping and combining data

Shape power BI data

Combine Power BI data

Module 5: Modelling data

This module describes how to shape and enhance data.

Lessons

Relationships

DAX queries

Calculations and measures

Lab : Modelling Data

Create relationships

Calculations

Module 6: Interactive Data Visualizations

This module describes how to create and manage interactive data visualizations.

Lessons

Creating Power BI reports

Managing a Power BI solution

Lab : Creating a Power BI report

Connecting to Power BI data

Building Power BI reports

Creating a Power BI dashboard

Module 7: Direct Connectivity

This module describes various connectivity options using Power BI.

Lessons

Cloud data

Connecting to analysis services

Lab : Direct Connectivity

Direct connectivity from Power BI desktop

Direct connectivity from the Power BI service

Module 8: Developer API

This module describes the developer API within Power BI.

Lessons

The developer API

Custom visuals

Lab : Using the developer API

Using custom visuals

Module 9: Power BI mobile app

This module describes the Power BI mobile app.

Lessons

The Power BI mobile app

Using the Power BI mobile app

Power BI embedded