Course:

Microsoft Power BI 2 Days

Duration: 2 Days (9:00 – 16:00)

Summary

The main purpose of the course is to give students a good understanding of data analysis with Power BI. The course includes creating visualizations, the Power BI Service, and the Power BI Mobile App. The course will likely be attended by report creators who are interested in alternative methods of presenting data.

Introduction

After completing this course, students will be able to:

- Perform Power BI desktop data transformation.
- Describe Power BI desktop modelling.
- Create a Power BI desktop visualization.
- Implement the Power BI service.
- Describe how to connect to Excel data.
- Describe how to collaborate with Power BI data.
- Connect directly to data stores.
- Describe the Power BI developer API.
- Describe the Power BI mobile app.

Prerequisites

Before attending this course, students must have:

- Excellent knowledge of relational databases and reporting.
- Some basic knowledge of data warehouse schema topology (including star and snowflake schemas).
- Some exposure to basic programming constructs (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

Outline

Module 1: Introduction

- Get Power BI Desktop
- Installation and Getting started with Power BI Desktop

Module 2: Connect to Data

- Data Sources in Power BI Desktop
- Import Data from Excel Workbooks

Module 3: Shape and Combine Data
- Introduction to Query
- Shape and combine data
- Data categorization
- Data Relationship overview
- Create and manage relationships in Power BI Desktop

Module 4: Data Fundamentals
- Data Type in Power BI Desktop
- Measures in Power BI Desktop
- Calculated columns

Case Study: Create your own measures and calculated columns

Tutorial: Create calculated columns DAX Basics, Calculated tables

Module 5: Working with Reports
- Report View
- Sorting the report by column

Module 6: Sharing your Work This module describes how to create and manage Interactive data visualizations.
- Publish from Power BI Desktop
- Dashboards in Power BI
- Share a dashboard from Power BI

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