



Fundamentals Of Microsoft Power BI (Desktop)

Overview

Fundamentals of the Microsoft Power BI course provide a thorough introduction to Microsoft Power BI, emphasizing practical skills through hands-on work with Excel spreadsheets. Participants will become familiar with the key products and features of Power BI, essential for creating effective Business Intelligence solutions.

Duration

2 Days

Who should enroll?

- Individuals in the Corporate Industry
- Corporate Executives

Objectives

The course will educate participants to:

- Master the steps on mapping out the data sources to a reporting dashboard.
- To utilize all the data and bring the data together and to be effective and useful references.
- Understanding and setting up various ways of linking data together
- Preparing relevant and useful reports via various tools from Power BI
- Transforming data sources to dashboard reports via case studies
- Identify various options to publish and share dashboards via BI applications.

Methodology

- Group Discussion
- Simulation Activities
- Case Study
- Role Playing
- Public Videos



Learning Outcome

At the end of the course, participants will be able to map data sources to report dashboards, using all the data as efficiently as possible to create meaningful and purposeful references. Participants will also be able to master all the various options of linking data together. Moreover, participants will be able to prepare relevant and useful reports via various Power BI applications. Participants also will be able to master transforming data sources into dashboard reports, and finally participants will be able to identify the various options to publish and share dashboards via BI applications.



Course Outline

MODULE 1: INTRODUCTION TO POWER BI DESKTOP

- Introducing Power BI
- Obtaining & setting up Power BI

MODULE 2: OBTAINING DATA SOURCE

- Introduction data window and concepts
- Obtaining the data via direct query or importing data

MODULE 3: DATA MODELLING

- Introduction to Modelling
- The fundamental qualities in presenting dashboards
- Configure and manage relationships.
- Add new columns to enhance the presentation of data.
- Understanding the variances of Calculated Columns and New Measures
- Activity: Building own data model

MODULE 4: INTRODUCTION TO DATA ANALYSIS EXPRESSION (DAX)

- Introducing DAX
- Structuring DAX for ease of ease of purview
- Helpful DAX: Compute, Time intelligence DAX
- Activity: Exploring DAX

MODULE 5: DATA VISUALIZATION

- Significance of visualization
- Introduction to Visualization Window
- Slicers and Timeline Slicers
- Creating Informative Tables and conditional formatting
- Utilizing Cards & Gauges to provide one stop view of business objectives.
- Utilizing KPI's in dashboard presentation
- Common bar / Column charts
- Utilizing formatting panel
- Sort Order
- Drill Up / Down



- Data visualization hierarchies
- Target line for business performance
- Map visualizations.

EXERCISE:

- Activity on transforming data source to be presented in the dashboard

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