

Course Outline | Power BI Introduction

2 day(s)

Overview

This course is designed for anyone working with a large amount of data who is wishing to analyse it and create eye catching visualisations. Participants will get hands-on experience learning key skills and concepts using example data based on real world scenarios.

Prerequisites

The student should be familiar with Excel and the concepts of datasets and basic reporting. Please note that this course is not suitable for inexperienced Excel or database users.

Course Outline

Getting Started with Power BI Desktop

- Power BI Concepts and Overview
- Introduction to Main Features
- Imports
- Visualizations
- Filters and Queries
- Reports

Connecting to Data Sources with Power BI Desktop

- Data Sources Power BI Desktop will connect to
- Data Types and Properties in Power BI Desktop
- Import and Enter Data
- Get Data and Query Editor
- Introducing the Query Editor
- Using the Query Editor to Connect to Data
- Combining Data Sources as a Mash Up
- Working with Relationships in Data

Data Visualizations

- Overview of Data Visualizations
- Tables and Matrix Views
- Applying Conditional Formats
- Charts
- Interactive Data and Date Slicers
- Drill Visualizations to see underlying data
- Create Reusable Field Hierarchies
- Record Grouping
- Binning in Visualizations to create Histograms
- Drill Visualizations using Dates
- Clustering
- Analytics and Forecast Lines in Visualizations
- Creating Role Based Views
- Data Categories
- Geo-Data and Map

Querying and Shaping the Data

- Common Activities using Query Editor
- Filters
- Transforms
- Pivot and Group By
- Creating Custom Calculated Column
- Adding Conditional Columns

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- Using Conditional Columns Visualizations to create a Histogram
- Introduction to DAX Expressions

Reports and Output Options

- Report Elements and Options
- Working with Pages
- Adding Graphics
- Visual and Filter Settings
- Export Power BI Data to CSV
- Import Custom Visuals

Introduction to Dashboard development/Layout

- What is a Dashboard?
- Some Key Points when creating a dashboard
- Overview of Basic Dashboard Design Principles
- Questions to Ask Before Distributing Your Dashboard