# **Microsoft Power BI**

## **Course Content**

# Section: 1 - Getting Started

- Power BI Introduction
- Power BI Tools
- Installation
- Architecture
- Environment

### Section: 2 - Power BI Desktop

- Connecting to Data
- Different Views of the Data Model
- Recommended Settings
- Query Editor

## **Section: 3 - Query Editor**

- Connecting Data Sources
- Editing Rows
- Understanding Append Queries
- Editing Columns
- Replacing Values
- Formatting Data
- Pivoting and Unpivoting Columns
- Splitting Columns
- New Group for our Queries
- Index Column
- Duplicating Columns and Extracting Information
- Conditional Columns
- Mathematical Operations

## Section: 4 - Data & Relationship View

- Query Editor vs. Data Model
- Understanding Relationships
- Editing Relationships
- Understanding Cardinality
- Cross Filter Selection and Many-To-Many Relationships

- Active Properties
- DAX Basic information
- DAX and Calculated Columns
- Calculated Columns vs. Measures
- Introducing DAX-Measures
- DAX-Measures Continued
- Categorizing Data

#### **Section: 5 - Visualizations**

- Report View
- Editing Interactions and Adding Tooltips
- Adding Data Colors
- Hierarchies
- Formatting Charts
- Sorting
- Slicer
- Treemaps
- Tables
- Different Filter Types

### Section: 6 - Power BI Service & Mobile

- Power BI Free Vs Pro Vs Premium
- Logging in to Power BI Service
- PBI Service Interface
- Importing Data PBI Desktop → Power BI Service
- Dataset Menu
- Reports
- Dashboards
- Workspace
- Gateways
- Personal and On-Premise Gateway and Installing a Gateway
- Collaborating in App Workspaces
- Sharing the Results
- Publishing the App
- Content Packs from Online Services
- Power BI Mobile
- Excluding Datasets from Sharing
- Import Custom Visuals