



Power BI® Desktop Smart Start

Course Description

Target Student: This course is for beginning Power BI users who want to explore the functionality and capabilities of Power BI Desktop.

Prerequisites: To ensure your success, we recommend you first take the following CompuTrain course or have equivalent knowledge: Microsoft® Excel®: Introduction. Alternately, basic PowerPoint skills and/or some database experience would be helpful.

Course Objectives

Upon successful completion of this course, students will be able to:

- Navigate in Power BI Desktop
- View and Understand Data Models
- Create Reports using Data Model Data
- Use DAX Functions
- Create Measures
- Create Tables, Matrices and Charts
- Create Basic Dashboards

Course Content

Lesson 1: Introducing Power BI

- Why Use Power BI Desktop?
- Exploring the Data Model Manager Interface

Lesson 2: Viewing the Data Model

- What is a Data Model?
- Understanding Table Relationships
- Understanding a Star Schema
- Making a User Friendly Model

Lesson 3: Understanding DAX Calculations

- What is DAX?
- Implementing DAX Operators
- Using a DAX Text Function to Create a Calculated Column
- Using DAX Date and Time Functions

Lesson 4: Creating Measures with DAX

- Calculated Columns vs Measures
- Using Logical Function
- Using CALCULATE() function

Lesson 5: Creating Standard Visualizations

- Creating Tables and Matrices
- Constructing Bar, Column, and Pie Charts
- Creating Map-Based Visualizations

Lesson 6: Creating Interactive Dashboards

- Cross Filtering vs. Drill Down