Course Length ---*One-Day*
Course Format ----------------------------------- *Online, Instructor-Led*

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Power BI® Desktop
(Online) SmartStart

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 and KPIs
- Create Tables, Matrices and Charts
- Create 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 Functions
- Using Filter Functions
- Creating KPIs

Lesson 5: Creating Standard Visualizations
- Creating Tables and Matrices
- Constructing Bar, Column, and Pie Charts
- Building Line and Scatter Charts
- Creating Map-Based Visualizations

Lesson 6: Creating Interactive Dashboards
- Linking Visualizations
- Filtering Groups and Views