

## Microsoft Power BI Boot Camp

**Course Length: 30 hrs (5 Days)** This five-day instructor-led course is a complete high-level tour of the Microsoft Business Intelligence stack.

### Target Student:

This course is intended for Business Managers, Report Developers, Analysts, Project Managers and Team Leads.

### Learning Objectives:

Upon completing this course students will have the ability to utilize and implement the concepts learned. Students will have a basic understanding of the below topics:

- Power BI
- Power BI Desktop
- Working with CSV, TXT, and Excel Worksheets
- Connecting to Databases
- Merging, Grouping, Summarizing, and Calculating Data
- Reporting
- Power BI Online
- Explain and utilize DAX data types and operator overloading.
- Explain and utilize DAX operators.
- Explain and utilize DAX values.
- Understand and utilize PowerPivot Data Model.
- Explain error handling.
- Explain and utilize mathematical functions.
- Explain and utilize statistical functions.
- Explain and utilize information functions.
- Explain and utilize text functions.
- Explain and utilize conversion functions.
- Explain and utilize aggregation functions.
- Explain and utilize relational functions.
- Explain and utilize the CALCULATE function.
- Explain and utilize filter functions.
- Explain and utilize single table evaluation context.
- Explain and utilize multiple table evaluation context.
- Create and configure calculated fields.
- Create and configure calculated columns.
- Explain and utilize date functions.
- Explain and utilize working with calendars.
- Explain and utilize using multiple calendars.
- Create and configure date calculations.
- Explain and utilize many-to-many relationships.
- Explain and utilize banding.
- Explain and utilize EVALUATE.
- Explain and utilize advanced DAX capabilities.
- Explain the benefits of DAX Studio.
- Navigate the Power View interface.
- Utilize Power View reports.
- Work with tables.
- Understand aggregations.
- Utilize matrix.
- Configure drill through.

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- Use cards as a visualization.
- Apply filters.
- Create charts.
- Utilize tiles.
- Add slicers to reports.
- Utilize themes.
- Navigate the PowerPivot interface.
- Load data.
- Examine and configure relationships.
- Configure calculated columns and calculated fields.
- Create PivotTables.
- Understand and utilize DAX.
- Use KPIs.
- Work with hierarchies.
- Manage perspectives.

## Learning Objectives:

Section 1: Power BI

What is Power BI?

Examining Power BI Suite of Products

Identifying Differences Between Products

Understanding Power BI Updates

## Section 2: Power BI Desktop

Installing Power BI Desktop

Exploring the Power BI Desktop Interface

Utilizing File Types; PBIX vs PBIT

Examining Data Sources

Discussing Data Refresh

Understanding Data Types

## Section 3: Working with Csv, Txt and Excel Worksheets

Importing Data

Transforming Data

Loading Data

Appending Operations

Working with Folders and Files

Using Pivot Tables

## Section 4: Connecting to Databases

Working with Relational Data

Understanding Relationships

Importing from SQL Server Analysis Services Multidimensional and Tabular

## Section 5: Merging, Grouping, Summarizing, and Calculating Data

Understanding the Issues with Merges

Performing Merges

Grouping Options

Summarizing

Calculating

## Section 6: Reporting

Creating Reports

Utilizing the Matrix Visualization

Utilizing the Map Visualization

Utilizing the Card Visualization

Utilizing the Chart Visualization

Utilizing Slicers

Publishing to Power BI Online

## **Section 7: Power BI Online**

Introduction to Power BI Online

Importing Data

Creating Reports

Configuring Dashboards

Sharing Reports and Dashboards

Exploring Power BI Mobile

Microsoft Power BI Interactive Data Visualizations

## **Section 8: Introduction to DAX**

Introduction to DAX

Explaining Syntax

Exploring Data Types

Utilizing Operators

Understanding Values

PowerPivot Data Model

Handling Errors

## **Section 9: Using DAX Functions**

Mathematical Functions

Statistical Functions

Logical Functions

Information Functions

Text Functions

Conversion Functions

Aggregation Functions

Relational Functions

## **Section 10: Understanding Evaluation Contexts**

The CALCULATE Function

Filter Functions

Single Table Evaluation Context

Multiple Table Evaluation Context

## **Section 11: Working with Dates**

Date Functions

Working with Calendars

Using Multiple Calendars

## **Section 12: Utilizing Advanced DAX Functionality**

Many-to-Many Relationships

Banding

EVALUATE

Simplifying Your Life with DAX Studio

## **Section 13: Power View**

Exploring the Power View Interface

Visualizing Power View Reports

Working with Tables

Understanding Aggregations

Utilizing Matrix

Configuring Drill Through

Using Cards

Applying Filters

Creating Charts

Examining Tiles

Adding Slicers to Reports

Theming Reports

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## Section 14: PowerPivot

Exploring the PowerPivot Interface

Loading Data

Examining Relationships

Configuring Calculated Columns and Calculated Fields

Creating PivotTables

Understanding DAX

Utilizing DAX Functions

Using KPIs

Working with Hierarchies

Managing Perspectives

## Section 15: Power Query

Exploring the Power Query Interface

Loading Data

Managing Modifications

Examining Data Cleaning

## Section 16: Power Map

Exploring the Power Map Interface

Using Bing Maps

Examining Map Data

Reviewing Map Types and Presentation

## Section 17: Introduction to Power BI

Introducing Power BI

Explaining Excel and Power BI

Examining Data Sources

Querying with Natural Language

Simplifying Your Life with DAX Studio

- [Download Course PDF](#) [1]
- [Print](#) [2]

**Price: \$3,995.00**

Guaranteed to Run

**Date:** [Mon 25 Jul, 2022](#)

- [Mon 25 Jul, 2022](#) [3]
- [Mon 21 Nov, 2022](#) [4]
- [Mon 23 Jan, 2023](#) [5]

**Time:** 9:00 am - 4:00 pm

**Duration:** 5 Day(s)

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**Language:** English

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### What You Get:

Training includes 1 course manual, a Certificate of completion, and a voucher for 30 days of After Training Support

**Source URL:** <https://www.compuease.ca/en/course/6857-microsoft-power-bi-boot-camp>

### Links:

[1] <https://www.compuease.ca/en/printpdf/6857>

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[3] [https://www.compuease.ca/en/course/6857-microsoft-power-bi-boot-camp?course\\_id=14053](https://www.compuease.ca/en/course/6857-microsoft-power-bi-boot-camp?course_id=14053)

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[6] <https://www.compuease.ca/en/node/add/lmt-registration/lmt-14053>

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