



The Modern Excel DAX Essentials



Table of Contents

DAX Essentials – The Practical Skills	3
Duration	3
Objectives	3
Pre-requisite	3
Outline of DAX Essentials course:.....	4
1. Introduction to DAX and Power Pivot	4
1.1 Overview of Dax.....	4
1.2 Introduction to Power Pivot.....	4
1.3 Getting Started with Power Pivot	4
2. DAX Basics	4
2.1 Dax Syntax and Data Types	4
2.2 Creating Calculated Columns	4
2.3 Measures in DAX.....	4
3. Common DAX Functions	5
3.1 Aggregation Functions	5
3.2 Statistical Functions	5
3.3 Date and Time Functions	5
3.4 Text Functions.....	5
4. Real-world Applications and Case Studies	5
4.1 Building Dashboards with DAX.....	5
4.2 Case Studies	5
5. Q&A and Troubleshooting	5





DAX Essentials – The Practical Skills

A customizable course according to your company's requirements.

Duration

8 hours

Objectives

The course aims to transform your experience and engagement with Excel.

1) Introduction to DAX and Power Pivot:

- Understand the basics of DAX and its relevance in Excel.
- Learn how to install and enable Power Pivot for enhanced data analysis.

2) DAX Basics:

- Grasp the fundamental syntax and data types in DAX.
- Gain hands-on experience in creating calculated columns and measures.

3) Common DAX Functions:

- Explore widely used DAX functions for aggregation, statistics, date/time, and text manipulation.

4) Real-world Applications and Case Studies:

- Apply DAX skills to real-world scenarios, including building dashboards in Power BI.
- Analyze case studies to reinforce understanding and practical application.

5) Q&A and Troubleshooting:

- Provide a forum for participants to ask questions and seek clarification.
- Address common issues and troubleshoot problems related to DAX and Power Pivot.

The course is totally hands-on. No theory! No PowerPoint presentation. Throughout the course you practice the skills on Excel. The exercises are based on real life data scenarios.

Pre-requisite

You must have worked on Excel for at least 6 months.



Outline of DAX Essentials course:

1. Introduction to DAX and Power Pivot

1.1 Overview of Dax

- 1. What is DAX?
- 2. Why use DAX in Excel?

1.2 Introduction to Power Pivot

- 1. Installing Power Pivot
- 2. Enabling Power Pivot in Excel

1.3 Getting Started with Power Pivot

- 1. Importing data into Power Pivot
- 2. Creating relationships between tables

2. DAX Basics

2.1 Dax Syntax and Data Types

- 1. Understanding DAX formulas
- 2. Different data types in DAX

2.2 Creating Calculated Columns

- 1. Adding columns to tables
- 2. Basic calculations using DAX

2.3 Measures in DAX

- 1. Understanding measures
- 2. Creating simple measures



O32

3. Common DAX Functions

3.1 Aggregation Functions

- SUM
- AVERAGE
- COUNT
- MIN
- MAX

3.2 Statistical Functions

- DAX functions for statistical analysis

3.3 Date and Time Functions

- Calculations dependent on Date and Time

3.4 Text Functions

- Manipulating text in DAX

4. Real-world Applications and Case Studies

4.1 Building Dashboards with DAX

- Using Dax calculations to create dashboards in Excel

4.2 Case Studies

- Analyzing real-world data scenarios using DAX

5. Q&A and Troubleshooting

- Addressing common issues
- Answering participant questions