Course Structure & Outline

DAX
Data Analysis
Expressions

Mastering DAX

in Power BI

What is Dax?

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- DAX - also known as Data Analysis Expressions, is the **formula language of Power BI**.
- Learning how to write **DAX Formulas will open the untapped analytical capabilities of Power BI**.
- You'd be able to perform far more **sophisticated analysis** as compared to creating "drag and drop charts".

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Who is this course for ?

- Data Analysts / MIS Professionals
- Professionals working heavily with Excel for creating Reports.
- Professionals who want go beyond simple drag and drop charts in Power BI

What is not covered in this course...

Visualizations are NOT a part of this training. This training is solely focussed on DAX and its core concepts + it's practical applications to solve real life business problems.

The course is split into 3 Parts.

- Part 1 - **DAX Fundamentals** – Core concepts that you need to learn about DAX.

- Part 2 - **Practical Applications of DAX** – Solving Real life problems using DAX.

- Part 3 - **DAX Functions Library** – A video guide to the most important functions in DAX.

- One Comprehensive Assignment – DAX Case Study

Part 1 – Dax Fundamentals

Overview

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Complexity

In this part you'll understand the building blocks of DAX
What is DAX, why is it important, how it works, the best practices and thumb rules to keep in mind and more..

Videos

- What is DAX?
- Why do you need DAX (A Quick Exercise)
- Implicit Calculations
- Explicit Calculations
- What is Filter Context and 3 Stages of DAX Calculations
- What is Row Context and Context Transition
- Working with Multiple Tables and Relationships
- Iterators – Row by Row Calculations
- Time Intelligence Part 1 – Why do you need a Calendar Table?
- Time Intelligence Part 2 – Creating a Calendar Table
- Time Intelligence Part 3 – Fiscal Year Calendar Table
- Time Intelligence Part 4 – Calculating YTD, QTD etc..

Intervention Video - DAX Best Practices

- Time Intelligence Part 5 – Growth Calculations
- Time Intelligence Part 6 – Adjusted Period Calculations

Intervention Video – DAX in Power Pivot (Excel)

- Dealing with more than 1 Relationships
- Disconnected Tables – What are they and their practical use!

Part 2 – Practical Cases

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Overview

In this part you'll learn to solve some practical business problems using DAX

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Complexity

Videos

- Case 1 - **Contribution Analysis** – How to find % of Totals.
- Case 2 - **Actual v/s Budget Analysis** – How to do allocations using DAX and work with 2 different granularity tables.
- Case 3 - **Top Product Analysis** – Perform a range of analysis to find best selling Products
- Case 4 - **Bottom Product Analysis** – Perform a range of analysis to find least selling Products
- Case 5 - **Range Segmentation Analysis** – How to create dynamic class intervals (segments) for Sales, Transactions, Refunds etc..

- **Comprehensive Assignment** – After you finish the lectures, you'll have to complete a comprehensive DAX assignment.

Overview

This part gives you the access to a video library for learning various DAX functions. To begin with, I have included the most important functions that you should learn first.

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Complexity

Videos

- CALULCATE
- FILTER
- SUM/COUNT/MIN/MAX/DISTINCTCOUNT etc..
- SUMX
- RANKX
- SWITCH
- RELATED & RELATEDTABLE
- LOOKUPVALUE
- VALUES
- TOPN
- FILTER
- ALL, ALLEXCEPT, REMOVEFILTERS
- ALLSELECTED
- CALCULATETABLE
- IF AND OR
- SUMMARISE
- ADDCOLUMNS
- CALENDAR & CALENDARAUTO
- DATESBETWEEN
- TOTALYTD/QTD/MTD
- GENERATESERIES
- USERELATIONSHIP

This is just an indicative list, there are a lot more functions covered in this section

Hi My name is Chandeep, I stay in Gurgaon (India) and run my full-time venture Goodly, where I conduct training interventions for some of the top corporates in the India. My training sessions / consulting assignments are focused on Excel and Business Intelligence using Power BI.

Prior to starting Goodly, until the end of 2013, I worked as a Financial Analyst for an Investment Bank in Mumbai. Being an analyst, Excel is the tool that I became really good with and Goodly is all about teaching people how to solve real time business problems using Excel and Power BI.

I also actively share my learnings / ideas on Excel and Power BI on my blog - **www.goodly.co.in** which has now over 20,000 subscribers and over 400+ posts on the Excel, Data Analytics, Dashboards and Visualizations and Power BI. In the last few years, I have trained over 4,000 professionals through my courses.

If you are looking to take your data analysis skills to the next level, this course will be worth every penny and minute of your time

look forward to see you inside!

GET STARTED!