Excel Dynamic Power Query and Power Pivot Time Intelligence DAX

Course Code:
ASKEDP

Course Duration:
2 days (16 hours), 9:00am – 5:00pm

Course Fee:
$1000 ($1090 Inc. 9% GST) per participant.

Course Dates:
https://asktraining.com.sg/course-schedule/

Course Synopsis

This course is tailored for professionals from both technical and non-technical backgrounds who aim to harness the power of large data sets for critical decision-making.

Participants will learn to:
- Utilize Excel Power Query to normalize data and create dynamic data models and queries.
- Apply DAX and its time intelligence functions to perform calculations and aggregate data across various time periods, including days, months, quarters, and years.

Course Objectives

By the end of this course, participants will have acquired the following skills and knowledge:
- Normalize tables and create effective data models for data analysis.
- Understand basic M language for editing purposes
- Convert static queries into dynamic queries using parameters.
- Consolidate data using the Group By feature in Power Query.
- Create and utilize Date/Calendar Table.
- Understand and apply DAX and its Time Intelligence functions for conducting time-based analysis.
- Use Power Pivot Data Model and tools to create dashboards that facilitate decision-making by highlighting key data insights.

Course Outline

Power Query

- Normalise tables with Power Query
- Understand Basic M Language
- Explore Group By Features
- Create Dynamic Query with Parameter

Power Pivot

- Formulate Calculated Columns and Measures
- Difference between Implicit and Explicit Measures
- Work with Date/Calendar Table
- Must Know DAX Functions:
    - Understanding Expression
    - Calculate, Filter
    - CountRows, DistinctCount
    - X Functions : Sumx, Averagex, Countx
    - All, AllExcept, AllSelected
    - Error Handling

Create Time Intelligence Dax for Data Analysis:

- PreviousYear & NextYear
- DateYTD & TotalYTD
- FirstDate & LastDate
- DatesBetween
- Closing/OpeningBalance
- DateAdd
- ParallelPeriod

Apply Power Pivot Useful Tools:

- Named Sets
- Hide from Client Tools & Perspectives
- Hierarchies

Understand CUBE functions

Pre-requisite & Methodology

This course is suitable for those who have attended @ASK Training's "Introduction to Power Query, Power Pivot, Data Model and DAX" course.

Things to bring during the course:
- A laptop (preferable your personal laptop)
- Laptop power adaptor & A USB mouse
- A USB thumb drive or hard-disk
- Software requirement: Microsoft Excel version 2016-2019 or Office 365 (must have Power Pivot installed)