MS Power BI Training - Advanced

Description

This Course is designed to familiarise the attendees with the fundamental concepts needed for basic analytics and data understanding, as well as introducing the attendees to more advanced concepts used for model building. It instructs participants on how to navigate a dataset with MS Power BI and generate useful analytics that would aid in generating insights from the dataset.

Available in Four, 1.5-hour Sessions. 2-Days in total.

Outline

Session 1: Customization of Visuals & R or Python Visuals

Session 2: Building Measures, CALCULATE & SELECTEDVALUE functions and more

Session 3: M Coding with Power Query Editor

Session 4: Modelling with DAX Code, Star Schema, Snowflake Schema & Time Intelligence

Prerequisite

Data Science with MS Power BI for Beginners & Intermediate

Objectives

Using appropriate data, introduce delegates to:

- Customize Power BI visuals using Python and R
- Role Level Security using Nested Measure Functions with Logic Operators
- Importing Data Types while navigating Power Query Editor using M Code & Mathematical functions
- Data Modelling using the above with Star & Snowflake Schema
- Time Intelligence Modelling
- Building models to represent these relationships, with Python and R

Description

This course is designed to familiarise the attendees with Advanced features in MS Power BI used for Advanced analytics and data understanding, as well as more advanced concepts used for model building. It instructs participants whom collaborates with key stakeholders across verticals to identify business requirements, cleans and transforms data, and then designs and builds data models using MS Power BI generating useful analytics that would aid in generating insights from the dataset.

Outcome

Delegates will leave the sessions with an excellent theoretical and practical understanding of Power Query and writing Custom Expressions using DAX & M Code, but also integrating R and Python. Applying these in an operational and business context.

Program

Session 1:
1. Power Bi Visuals
2. Format & Configure Visualizations
3. Import Custom Visuals
4. Add R or Python Visuals

Session 2:
1. Building a Measure
2. Measures Table
3. CALCULATE & SELECTEDVALUE
4. Filter vs KEEPFilters
5. Logic Operators
6. Variables
7. SWITCH

Session 3:
1. POWER QUERY with M Code

2.   Importing Data & Data Types
3.   Replacing values, Merging Columns, Extract Values, Remove Duplicates, Remove Columns, Filters
4.   Date Functions & Mathematical Functions
5.   Conditional Columns
6.   Unpivot
7.   Merge Queries

Session 4:
1.   Introduction to Data Modelling
2.   DAX & Calculated Columns
3.   Measures
4.   Star Schema
5.   Snowflake Schema
6.   Filter Flow
7.   Related vs Relatedtable
8.   Time Intelligence

Training Times
10:00 – 11:30 Lesson(s)
11:30 – 12:00 Break
12:00 - 13:30 Lesson(s)