



DAY 1

Power Query Overview – Transformation/Cleansing

Top 250 movies Power Query Example

Appending & Merging Data

Splitting Columns

Creating Custom and Conditional Columns

Managing the Transformation Process with Applied Steps

The M language

Introduction to Power BI

The parts of Power BI

Power BI Concepts

Car Sales Report Exercise

Text-Based Visualisations

Report View

Creating Tables

Creating a Matrix

Creating Cards

Switching Between Table Types

Charts in Power BI Desktop

Basic Chart Types: Line, Pie, Column, Bar, Maps

Funnel, Stacked Column and Bar, Scatter, Bubble, Waterfall, Clustered

Drill Down

Filtering Data

Visual, Page & Report Filters

Slicers

Multiselect/Single select/Formatting Slicer Elements



DAY 2

Other Power BI Features

Drillthrough

Q&A

Smart Narrative

Key Influencers

Decomposition Trees

Row Level Security

Power BI Service Overview

Workspaces

Quick Insights

Dashboards

Gateways

Apps

Row Level Security

Deployment Pipelines

Build Permissions

Metrics

Data hub

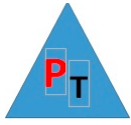
The Learn feature

Extending the Data Model with Calculated Columns

DAX Functions

Scalar Functions

Table Functions



DAY3

Adding Measures to the Data Model

Implicit Measures

Quick Measures

Basic Aggregations in Measures: Sum, Count, Max, Min, Average, etc...

Cross-Table Measures

Advanced Aggregations: CALCULATE

Filters, ALL, ALLEXCEPT, ALLSELECTED, FILTER

Analysing Data Over Time

Simple Date Calculations

Date & Time Formatting

Calculating Age and Difference

Adding Time Intelligence to a Data Model

Date Tables

Time Intelligence DAX Functions:

TOTALMTD, TOTALQTD, TOTALYTD,

PREVIOUSQUARTER,

PREVIOUSMONTH, PREVIOUSYEAR,

PARALLELPERIOD, DATEADD, SAMEPERIODLASTYEAR

DATEDIFF, DATESBETWEEN

Comparisons With Previous Periods

Rolling Aggregations