

PowerPivot with Excel

Level 3



Prerequisites

Delegates should be experienced Excel & PowerPivot Users.

Course Content

SharePoint Integration

- PowerPivot for SharePoint
 - PowerPivot Gallery
- Publishing an Excel Workbook
 - Parameters Pane
- PowerPivot Data Refresh
 - Data Connections
 - User Credentials

Shaping Reports

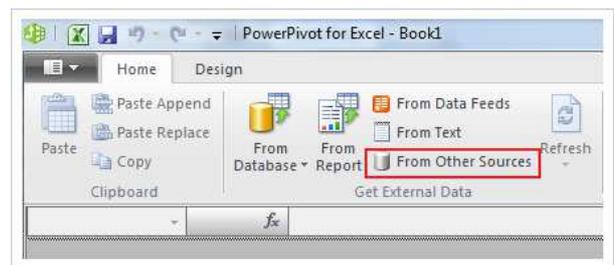
- Defining KPIs*
- Creating Hierarchies*
- Named Sets in Excel*
- Using Perspectives*
- Drillthrough with PowerPivot*

Loading Data and Models

- Understanding Data Connections*
 - Different Kind of Connections*
 - Using Existing Connections*
- Loading Tables from SQL Server
 - Filtering Options
 - Loading and Detecting Relationships
 - Loading from Views
- Loading from Access*
 - Issues in the Query Designer*
 - Best Practices*
- Loading Data from Analysis Services
 - The MDX Query Designer
 - Handling of Keys in SSAS
 - OLAP cube or DataMart?
- Loading From Data Feeds
 - Reporting Services Reports
 - Internet Data Feeds
 - Windows Azure Data Market
 - Loading From SharePoint

Data Models

- Physical and Logical Data Models*
 - Normalization and Denormalization*
 - Empty and Default Values
 - Understanding How and When to Denormalize*
 - SQL Query Designer as a Data Modelling Tool
 - Different kinds of Joins
 - Setting Relationship Manually
 - Understanding OUTER Joins
- Date and Time Functions*



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Level 3 – Contd.



Table Functions and CALCULATE

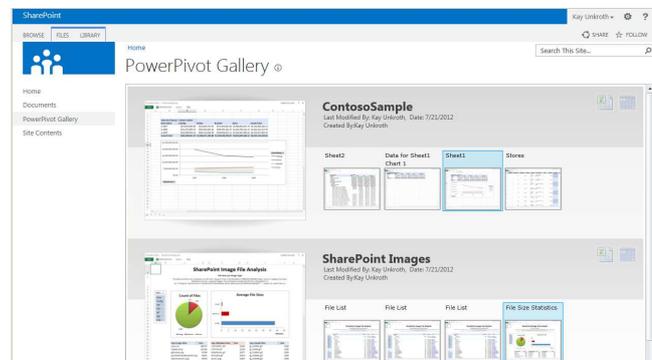
- Filtering Table with FILTER*
- Mixing ALL and Other Filters*
- Use of RELATEDTABLE*
- CALCULATE Examples and Relationships*

Time Intelligence in PowerPivot

- Why a Calendar Table is Useful*
 - Attribute Consolidation
 - Common Calendar Calculations
- Creating a Calendar Table with Excel *
 - Excel Tips to Create a Calendar Table
 - Working Days Calculation
- Common Calendar Calculations
 - X To Date (YTD, QTD, MTD)
 - Same Period Last Year
 - Other Custom Aggregation Function
 - Delta Over Previous Year

Basic DAX Patterns

- Banding in PowerPivot*
- New and Returning Customers*
- Compare Budget and Sales*
- Many-to-Many Relationships*
- Merge Values from Different Tables
- ABC / Pareto Analysis



Topics marked with (*) are also covered in Level 2.

