

Course Description: Learn to use the PowerPivot and Power View Excel 2013 add-ins to store, analyze and visualize large quantities of data from multiple sources. Learn to use the PowerPivot Data Model to create and format dynamic reports and charts, create calculated columns, use PowerPivot DAX functions, create relationships, plus an introduction to creating Power Views.

Module 1: PowerPivot Introduction

- What is PowerPivot?
- What is a PivotTable?
- Enabling PowerPivot
- Understand the PowerPivot Interface
 - The PowerPivot Ribbon Tab
 - The PowerPivot Window
- Exploring an Existing Workbook

Module 4: Introduction to DAX

- What is DAX?
- Data Types and DAX
- How DAX is used in PowerPivot Tables
- DAX Syntax
- DAX Operators
- Using DAX Expressions in Calculated Columns
- Looking Up Values from Related Tables
- Understanding “Context”
- Creating Measures
- Creating KPIs

Module 2: Building a Data Model with PowerPivot

- Creating the Data Model
 - From Excel
 - From External Data Sources
 - Filtering Data before Importing
- Refreshing Data
- Editing Data Source Properties
- Saving Data
- Table Relationships
- Renaming Data Columns
- Hiding Columns
- Sorting & Filtering Data
- Combining Data from Multiple Sources

Module 5: Creating PivotCharts with PowerPivot

- Basic Chart Creation
- Choosing & Changing Chart Types
- Setting Chart Properties
- Connecting Slicers to PivotCharts
- Using Sparklines

Module 3: Creating Reports with PowerPivot Data

- Creating a PivotTable with PowerPivot Data
- Using the PowerPivot Field List
- Refreshing PivotTable Data
- Creating Year and Month Columns
- Setting up a Month Sort Column
- Filtering the PivotTable
- Using Slicers & Timelines to Filter Data
- Drilling Down
- Flattened Pivot Tables
- Formatting the PivotTable

Module 6: Power View

- Creating a Power View Report
- Inserting New Views in Power View
- Charts & Maps
- Applying Filters to Power View Reports
- Creating Tiles