



Microsoft® Office Excel: PowerPivot

Excel In-Depth: PowerPivot DAX Measures and Calculations (PowerPivot Part 2)

Training Course Content (1 Day)

Course Objective: In this course, students will build on the skills learned in PowerPivot Part 1 by using calculations and measures to enhance PowerPivot reporting.

Prerequisites: PowerPivot Part 1 or equivalent knowledge is required prior to enrolling in class, as well as having a strong understanding of PivotTables, PivotCharts, Tables and the use of intermediate to advanced Excel functions.

Contact us to discuss if this class is right for you.

Lesson 1: Build DAX Calculations for PowerPivot

- Create Calculated Columns and Measures
- Understand DAX Formulas and Syntax
- Summarize Data using SUMX, MINX, MAXX, AVERAGEX Functions

Lesson 2: Improve Time Intelligence Measures using DAX

- Work with Time Dependent Data
- Use the BLANK Function
- Apply IF in DAX Measures
- Create Measures using FIRSDATE, LASTDATE, ENDOFMONTH, STARTOFYEAR and DATESBETWEEN

Lesson 3: Duplicate Value Issues in Related Table Fields

- Resolve Relationship Issues where a Many to Many is required
- Merge Tables using PowerQuery
- Manage and Refresh Tables created in PowerQuery

Lesson 4: Advanced DAX Functions

- Handling Errors in DAX
- Understanding How Drop Zones Affect Measures
- Respecting and Ignoring the Filters
- Build Measures using ALL, ALLEXCEPT, ALLSELECTED, FILTER AND RANKX

Lesson 5: Using Variables in DAX:

- Learn Variable Syntax in DAX
- Employ Variables in Measures

Lesson 6: Summarize Data using Time Intelligence

- Calculate an Ongoing Cumulative Total
- Create a Rolling Average
- Create a Rolling Twelve Month Total