Power Pivot, Part 5 of 5: Intelligence and Optimizing

Meet the expert: Doug Ortiz is an independent consultant whose skillset encompasses multiple platforms including .NET, SharePoint, Office, SQL Server, and Business Intelligence. Doug has a master’s degree in relational databases and over 20 years of experience in IT, over half of which have been within .NET and SharePoint. His roles both in and outside of SharePoint have ranged from architecture, implementation, administration, disaster recovery, migrations, development, and automation of information systems.

Prerequisites: This course assumes that the users have an understanding of Microsoft Excel and how databases function. You should have viewed the Power Pivot: Data Models, Power Pivot: Basic Concepts, Power Pivot: Dashboards and Power View and Power Pivot: DAX, Formulas, Functions courses before viewing this course.

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Course description: In this course we'll cover using Time Intelligence with Power Pivot. Then we'll show you how to upgrade from Power Pivot 2010 to Power Pivot 2013. Then we'll optimizations you can apply to workbooks and formulas. Next we'll cover Cube Functions, while not part of DAX, we can look how we can leverage it to our advantage.

Course outline:

TimeIntelligence
- Introduction
- What is Time Intelligence?
- Prerequisites
- Getting a Calendar Table
- Time Intelligence Functions
- Demo: Simple Calendar Table
- Demo: TI Functions
- Demo: TIF - YTD, PREV
- Demo: TIf - MIN/MAX
- Demo: TIF - DATESINPERIOD
- Summary

Upgrading
- Introduction
- Upgrading from PowerPivot 2010
- Steps
- Demo: Upgrading 2010 Workbook
- Summary

Add-Ins
- Introduction
- Workbook Size Optimizer Add-In
- Demo: Add-Ins Content
- Demo: Installing Optimizer
- Demo: Optimizing Workbook
- Summary

FormulaOptimizations
- Introduction
- Optimizing PowerPivot Formulas
- Identifying Possible Culprits
- Summary

CubeFunctions
- Introduction
- What are Cube Functions?
- Cube Functions
- Demo: Cube Functions
- Demo: CF – CUBEMEMBER, VALUE
- Demo: CF - CUBERANKEDMEMBER
- Summary

WhereToGo
- Introduction
- What We Have Learned
- What Next?
- Summary