

Power BI

Business Intelligence with Excel

Excel new features for reporting and data analysis

Hi Dears, Greetings from EXCELENIUSES !!!

Power BI Desktop
Power BI Mobile

EXCELENIUSES Invites you to attend

Advanced Excel 2013 with Power BI INTEGRATION Training Demo

- ↳ Are you a business analyst, financial controller or marketing manager who works heavily with Excel?
- ↳ Are you looking for a tool to create your own reports without help from your IT department?
- ↳ Do you want to combine data from different sources and apply custom calculations?
- ↳ Do you want to visualize your data through interactive reports and Dashboards.

Agenda

- ↳ First, there will be a quick review of the new features within Excel for data analytics and reporting.
- ↳ Then using Power Query you will learn to shape additional data that can be found in external sources.
- ↳ Next, you will learn the best ways to present your data by building reports using Excel, Power View and Power Map before hosting them on your Power BI website (Office 365). You will then work with Q&A, an impressive natural query language capability in Office 365.
- ↳ Finally, you will also learn how to make the self-service BI solutions you create scalable across your entire enterprise environment.
- ↳ During this session you will see some practical finance and marketing scenarios, as well as some samples for other departments and industries. We will also discuss how your organisation/team can benefit from this amazing tool.





Course Content

Introduction

- The need for Business Intelligence
- Self Service BI versus Enterprise BI

Loading data with Power Query

- Load public data in Excel
- Load online and offline data in Excel
- Filter, transform and clean data
- Sharing data loads on Office 365 PowerPivot
- Overview of PowerPivot in Excel 2010 and Excel 2013
- Installing PowerPivot

PowerPivot Data Sources

- Using SQL Server data
- Loading data from cubes
- Load data from text files
- Using data from Excel sheets
- Loading data via data feeds

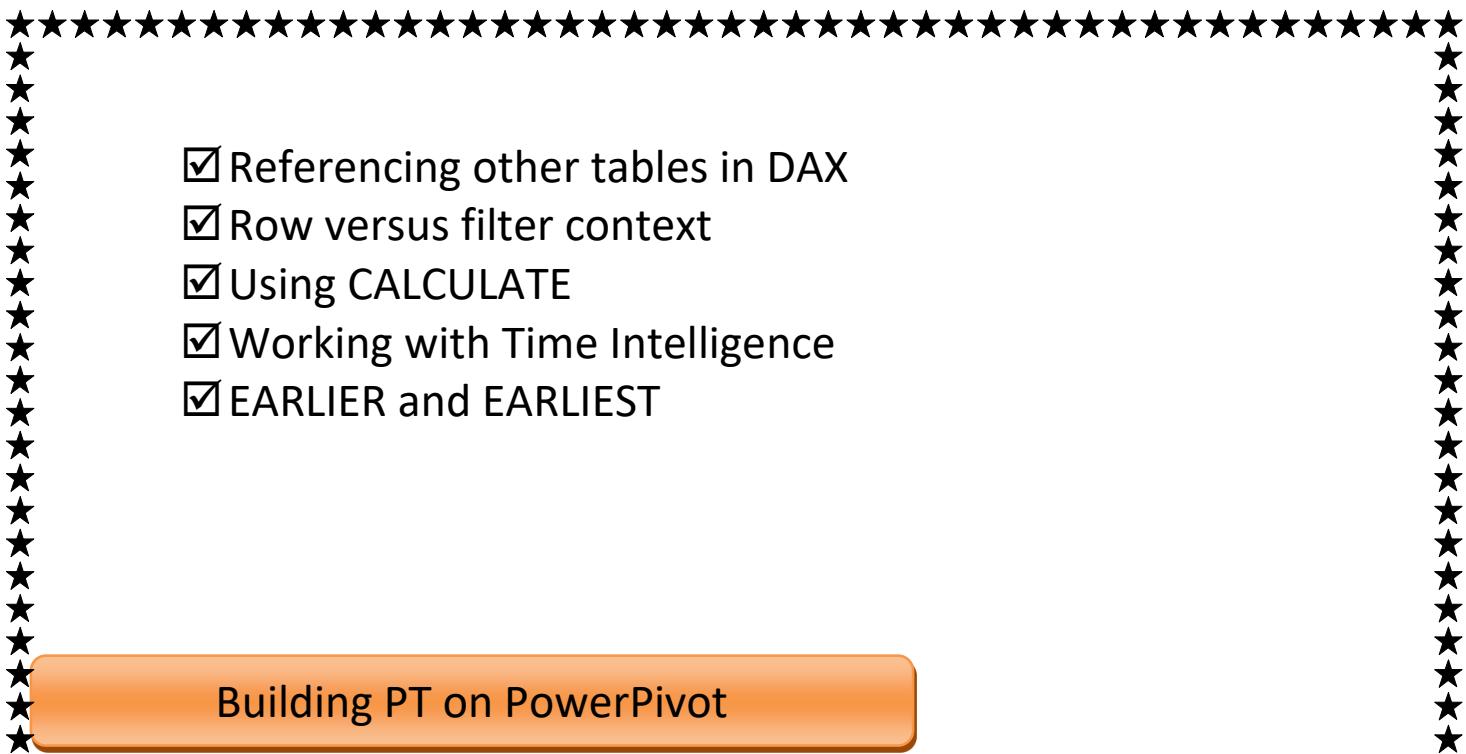
Enriching data with DAX

- Creating computed columns
- Constant values and data types
- DAX (Data Analysis Expressions) operators
- Commonly used DAX functions



**Any data,
anywhere,
any time**





- ✓ Referencing other tables in DAX
- ✓ Row versus filter context
- ✓ Using CALCULATE
- ✓ Working with Time Intelligence
- ✓ EARLIER and EARLIERST

Building PT on PowerPivot

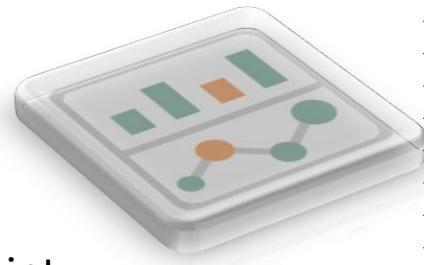
- Building pivot tables on top of PowerPivot
- Using PivotCharts
- Working with Slicers
- Building custom sets
- Combine PowerPivot data with Sparklines
- Using CUBE functions in Excel
- Deploying PivotTables to Excel Services



Deploy PowerPivot to SharePoint & Office 365

- PowerPivot in SharePoint: Prerequisites
- Publishing PowerPivot databases
- Deploying reports to Excel Services
- Using Excel Web Parts
- Accessing SharePoint PowerPivot databases in other reporting tools
- A brief look into the 2015 version of Power BI in the cloud

PowerView



- From personal BI to corporate BI
- PowerView reports in Excel and SharePoint
- Create tables and Matrices
- From table to chart
- Interactive sorting, filtering and highlighting
- Working with bubble charts
- Slicers, cards and multiples
- Adding maps to PowerView
- Working with multi-view reports
- Improving PowerPivot models for PowerView reporting

Deploying Power View Reports

- Saving PowerView reports in document libraries
- PowerPivot Gallery functionality
- Printing the report
- Export to PowerPoint functionality

PowerMap

- Mapping geographical data
- Exploring visualization options
- Working with multiple scenes



Learning Goals

Business Intelligence is a hot topic today: In an information driven society, analyzing and reporting upon the data that lives within an enterprise is crucial. Microsoft offers a lot of products that can help you setup your Business Intelligence infrastructure. In this course, we focus on Microsoft Power BI: Self-service BI, where we use the PowerQuery and PowerPivot functionality in Excel to collect, clean and enrich their business data. Then we create reports on top of this, using the native PivotTable functionality in Excel, as well as the PowerView and PowerMap reporting functionality which was recently added to Excel. We will also focus on how SharePoint or Office 365 can be used as a delivery platform for both kinds of reports, making it possible to share these reports within a wider audience. The course contains many exercises, such that students will have a lot of hands-on experience with these tools.

Target audience

This course is intended for people who frequently use Excel to analyze their data and want to become familiar with the newest technologies to manipulate and query data in Excel. Also people who want to share their Excel reports in a more centralized manner via SharePoint or Office365 will benefit from this course.

Prerequisites

This course assumes students are familiar with the basic and adv functionality of Excel 2010 or later.

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Why We Are The Best?

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