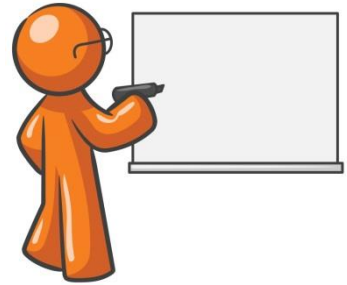


Introduktion til Power View



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Agenda



- ▶ What is Power View?
- ▶ Different editions of Power View
- ▶ Enabling of Power View in Excel 2013
- ▶ Creating a Power View Analysis
- ▶ Field list
- ▶ Table types
- ▶ Slicers, Tiles and Filters
- ▶ Using Image Data
- ▶ Chart types
- ▶ Map Visualizations
- ▶ Themes and Layout

What is Power View

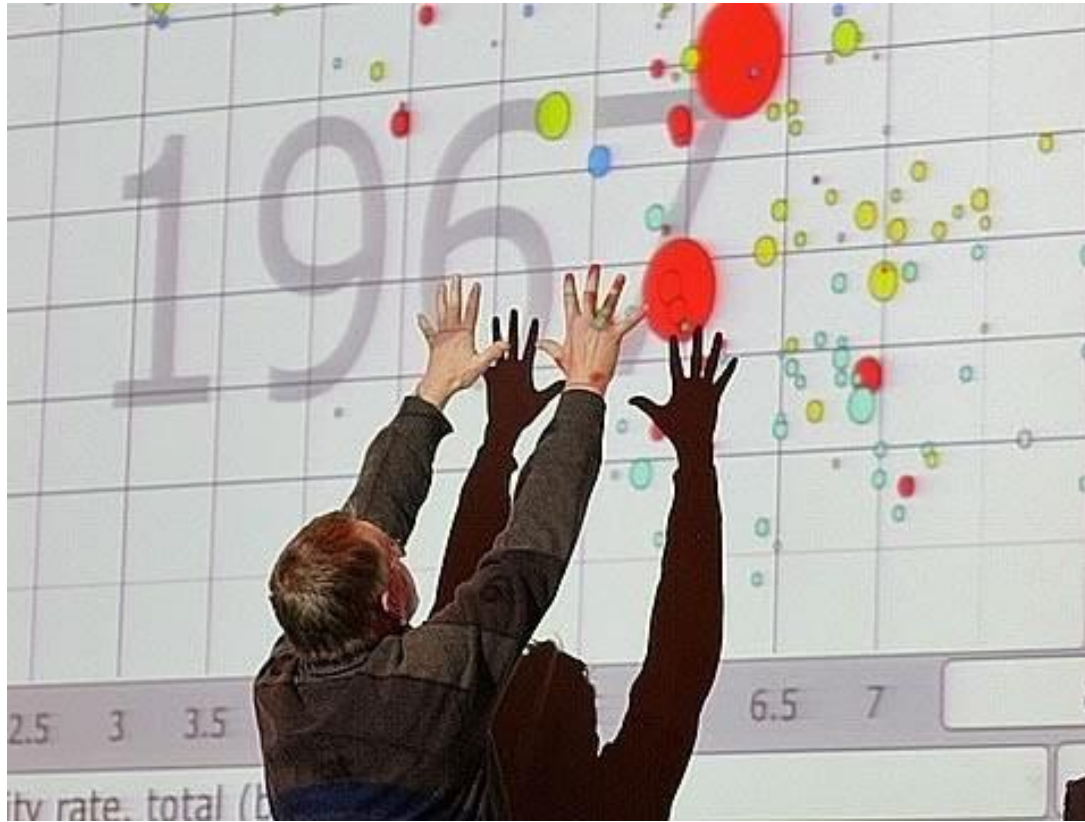
- ▶ Power View is an interactive data exploration, visualization, and presentation experience
 - Highly visual design experience
 - Rich meta-driven interactivity
 - Presentation-ready at all times
- ▶ Provides intuitive ad-hoc reporting for business users such as data analysts, business decision makers, and information workers
- ▶ Ordinarily, a Power View report needs to be based on a tabular BI Semantic Model that has been optimized for the report authoring tool

What is Power View – The Technical Stuff

- ▶ Browser-based Silverlight application launched from SharePoint 2013 (and 2010)
 - Power View has been out for 6 months as Part of SQL 2012
- ▶ First introduced as with SQL Server 2012 Reporting Services in SharePoint mode (BI and Enterprise editions)
- ▶ In Excel 2013 Power View is built in

The Power View Vision

- ▶ It all started with a demo done by Hans Rosling



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Different editions of Power View

- ▶ PowerView in SharePoint 2013 (2010)
- ▶ PowerView in Excel 2013
- ▶ PowerView in Excel Web-App (Office 365 / SharePoint 2013)

Power View feature comparison

	Excel	Excel Web App	Power View standalone
Design reports	Yes	No	Yes
Interact with reports	Yes	Yes	Yes
Visualizations	All	All	All
Cross-visualization interactivity	Yes	Yes	Yes
Max. workbook size	Client limits	SharePoint limits (Office 365: 10 MB)	SharePoint limits
Embedded data model	Yes	Yes	No
External data models	Yes	Yes (Office 365: No)	Yes
Multiple models	Yes	Yes (Office 365: No)	No
Multidimensional models (cubes)	No	No	Yes
Reorder Power View sheets	No	No	Yes
Reading and Full-Screen modes	No	No	Yes
Zoom	No	Browser zoom	Browser zoom
External images	Yes	Yes (Office 365: No)	Yes
Export to PowerPoint	No	No	Yes

PowerView in Excel 2013

- ▶ Now, with the Excel 2013 client, an add-in is automatically installed (but not enabled)
 - Power View sheets can be added to the workbook
 - Sheets can be based on the workbook data model, or an external tabular data model
 - Silverlight 5 must be installed on the client

Enabling of Power View in Excel 2013

- ▶ The add-in is available in Microsoft Office Professional Plus
- ▶ It's built-into Excel 2013 but is not enabled
- ▶ How to enable PowerPivot:
 1. Go to **File** > **Options** > **Add-Ins**
 2. In the **Manage** box, click **COM Add-ins**> **Go**
 3. Check the **Microsoft Office Power View for Excel 2013** box, and then click **OK**

Power View Requirements

- ▶ A Power View report must be based on a PowerPivot Model or a deployed tabular BI Semantic Model
- ▶ DAX Query is used to query the model
- ▶ Ordinarily, the model needs to be optimized for the Power View experience

Creating Power View Analysis

- ▶ A Power View Analysis is created from the Insert Tab of Excel 2013
- ▶ The design experience consists of:
 - Power View Tab
 - Canvas
 - Filter area
 - Field List
 - Design Tab
- ▶ The report may be viewed in **Preview** or **Full Screen** mode

Field list

- ▶ In the Power View Field list you can access all objects from the Data Model
 - Tables
 - Columns
 - Calculated Columns
 - Measures / KPIs
 - Hierarchies
- ▶ Toggle between active objects and all objects
- ▶ When dragging an object from the Field List to the Canvas a Table is created

Table Types

- ▶ A Table contains one or more fields
- ▶ There are 3 different types of tables
 - Table
 - Matrix
 - Card

Slicers and Tiles

- ▶ Slicers
 - Slicers are a kind of filter
 - They filter everything on the page
 - Select multiple values by holding the Ctrl key
 - When you save, close, and reopen a report, the same values will be selected in the slicer
- ▶ Tiles
 - Tiles adds a Title Container
 - Only one Title can be selected
 - Tiles only filter objects in the Title Container
 - Two Types of Tiles – Tab Strip or Tile Flow

Filters

- ▶ Filters are not in the view itself
- ▶ They do not take up any space in the report
- ▶ View-level filters
 - Filters all the visualizations and all the slicers on a view
- ▶ Visualization-level filters
 - Filters on tables, matrices, cards, and charts, but not on tile containers or slicers

Using Image Data

- ▶ Images can be stored in the data model as
 - A binary field containing an Image
 - A text field containing an URL
- ▶ The data type of the field in the data model must be Image or Image URL
- ▶ Images can be used on
 - Slicers
 - Tiles
 - Cards
- ▶ Table Behavior can configure a Default Image

Chat Types

- ▶ Power View offers a number of chart options: column, bar, line, scatter, and bubble
- ▶ Several design options in a chart – showing and hiding labels, legends, and titles
- ▶ As you click values in one chart, you:
 - Highlight that value in that chart
 - Filter to that value in all the tables, matrices, and tiles in the report
 - Highlight that value in all the other charts in the report

Map Visualizations

- ▶ Maps in Power View display your data in the context of geography
- ▶ Maps in Power View use Bing map
- ▶ Power View sends the data to Bing through a secured web connection for geocoding
- ▶ Adding locations and fields places dots on the map
 - The bigger the value, the bigger the dot
 - When you add a multi-value series, you get pie charts, with the size of the pie chart showing the size of the total

Themes and Layout

- ▶ Change the Layout of your Power View Analysis by selecting a Theme
- ▶ Font and Font Size can be changed
- ▶ Filling of the Background can be changed
- ▶ A Image/Watermark can be added
- ▶ A Picture/Logo can be added
- ▶ A Textbox can be added

Export til Office 365

- ▶ <https://sites.powerbi.com/sharepointpages/SPIntegration/MyBI/pages/MyBI.html?SPHostUrl=https://stoltzeit-my.sharepoint.com/&languageLocale=da-DK®ionalLocale=da-DK&rootsite=https://stoltzeit.sharepoint.com/>
- ▶ Q and A