DASHBOARDS

How to Choose Which Microsoft BI Tool?

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About Melissa

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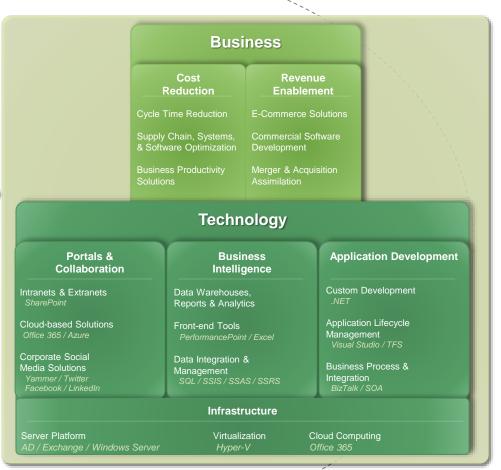
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About Intellinet

Intellinet is a management consulting and

Microsoft-centric technology services firm.





Agenda

Overview

Brief overview of dashboards & Microsoft BI tools

Requirements & technology considerations

Factors to consider when choosing which BI tool

Compare & contrast functionality

Find times when you might choose one tool over another

Visualization Options

Interactivity

Data Sources, Formatting, Exporting & Printing

INTRODUCTION

Ways of Categorizing Reports

Enterprise Reporting

Financial statements; high level board reports

Operational Reporting

Detailed reports for day-to-day decision making

Analytics

Data exploration; statistical & predictive analytics; mining

Performance Management Scorecards & dashboards



Self-Service and Ad-Hoc Reporting

Empowering end users in an IT-managed environment

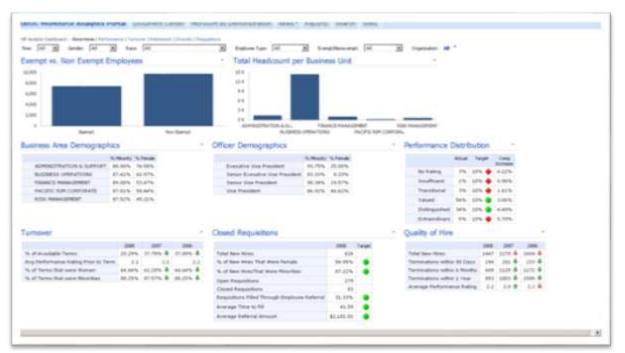
Definition of a Dashboard

According to Stephen Few:

A visual display of the

most important information

needed to achieve 1 or more objectives which fits entirely on a single computer screen so it can be monitored at a glance.



Rule of thumb:

Can the information be consumed within several seconds?

Types of Dashboards

Strategic

Generally very high level targeted at senior management & execs Visualization needs to be simple: facilitate quick decisions & forecasting Typically very little interactivity

Analytical

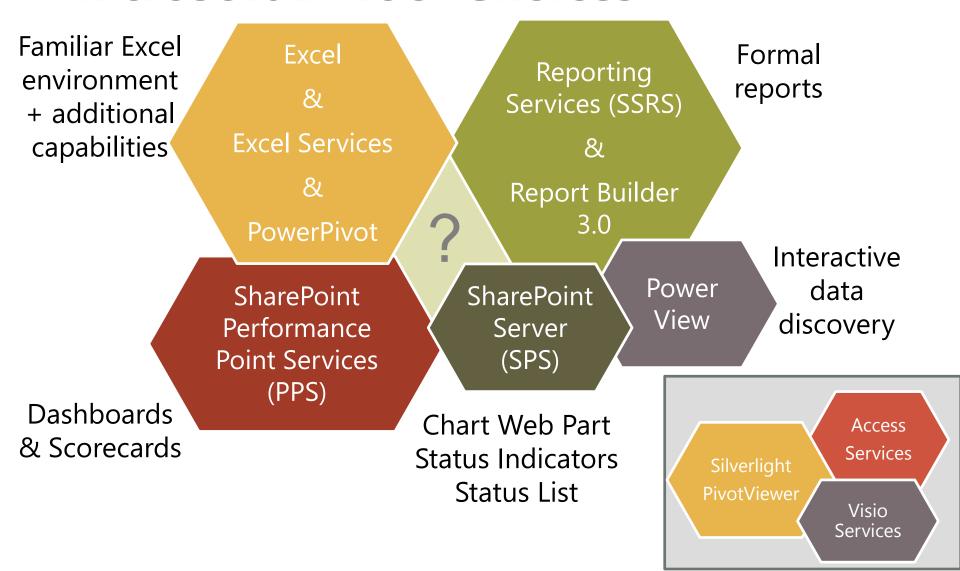
Targeted at data analysts (power users)
Usually offers the most interactivity to facilitate exploration

Operational

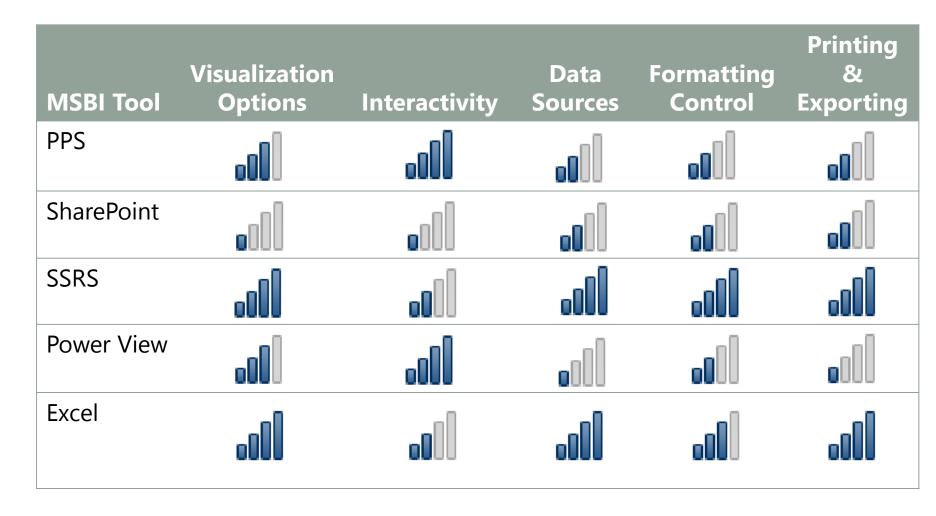
Could be targeted at nearly anyone in the organization Much less data latency is acceptable (near real time) Simple visualization; little interactivity

MICROSOFT BI TOOLS & & FACTORS TO CONSIDER

Microsoft BI Tool Choices

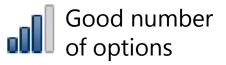


Where to Start?











Factors to Consider...



Requirements:

#1 driver

- Visualization options
- Drill down
- Drill through
- Conditional display
- Data Sources
- Printing
- Exporting
- Formatting
- Tooltips
- Parameters, filters & slicers
 ...etc.

Technology:

- Edition of software
- Version of software
- Software dependencies
- Staff skillsets & preferences

Other:

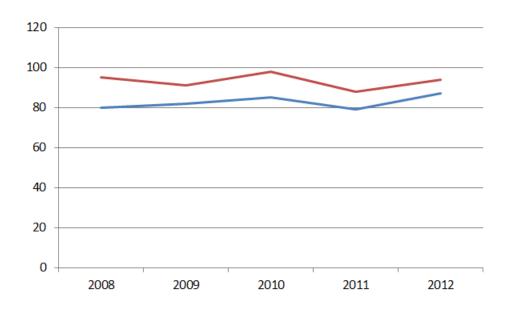
- User population
- User perceptions
- Security
- Customization
- Reusability
- Extensibility

...etc.

VISUALIZATION OPTIONS

Line Chart

Line Charts display trends in data; most suitable for display over time



| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | Yes |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

PPS, SSRS, and Excel can do Line Charts with Markers



SSRS and SharePoint can do Smooth Lines



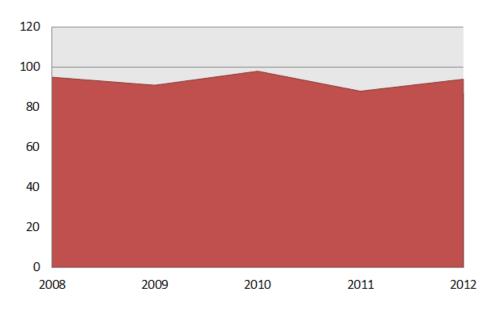
Line Chart Example



Source: Stephen Few, Information Dashboard Design

Area Chart

Same as a Line Chart; with fill color behind to emphasize the degree of change over time



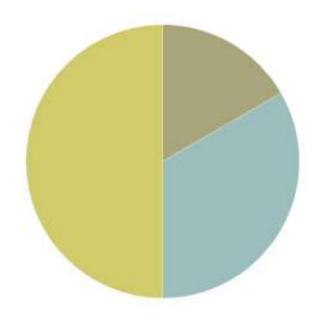
| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | Yes |
| SSRS | Yes |
| Power View | |
| Excel | Yes |

Area Charts don't work well when a data series with smaller values gets hidden behind the fill color of another series

Pie Chart

There's a lot of debate among visualization experts about Pie Charts!

Pie Charts are most suitable for data with very few distinct values (ex: Yes/No or Male/Female) so they can easily show the proportion % of the total value.



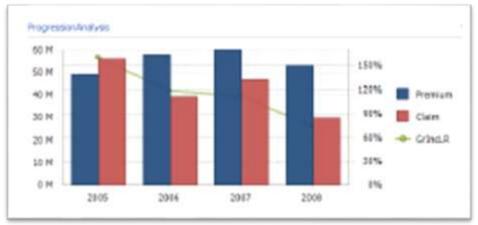
| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | Yes |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

- Pie Charts are introduced in Power View for Excel 2013 & Power View for SharePoint 2013
- SSRS and Excel can do an "exploded" pie for added emphasis



Column Chart

Two-Dimensional Column Charts with x and y values are useful for comparing values across categories.



Example of a "Clustered Column" chart with a dual axis line chart. A dual axis chart (shown in PerformancePoint) is only available in PPS if the last measure is a %.



Clustered Column



Stacked Column



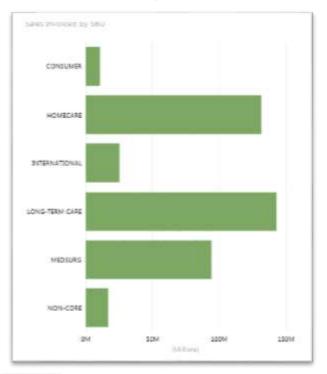
100% Stacked Column

| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | Yes |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

- Sometimes also be referred to as a Vertical Bar Chart
- PerformancePoint refers to its Column charts as "Bar Charts" even though they are vertical rather than horizontal
- PPS, SSRS, and Excel can do 3D (but try to resist the urge!)

Bar Chart

Same as a Column Chart; rotated 90 degrees



| Clustered | Stacked | 100% Stacked |
|-----------|---------|--------------|
| Bar | Bar | Bar |

| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | Yes |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

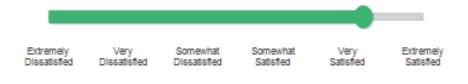
- Sometimes also referred to as a Horizontal Bar Chart
- No horizontal bar charts in PerformancePoint

Gauges

Linear Gauge

Rectangular or "thermometer" type format displays value.

May also show the goal.



Radial Gauge

Circular format; indicator pivots around scale to display value compared to goal.

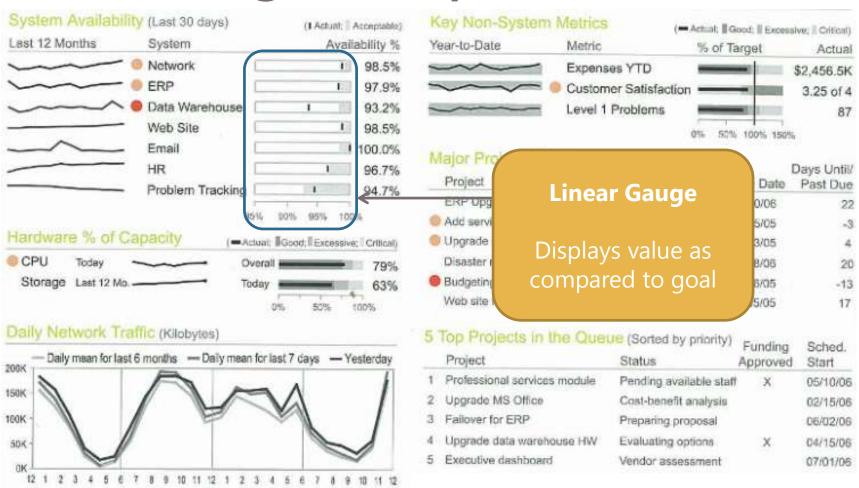


| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | |
| SSRS | Yes |
| Power View | |
| Excel | |

- Reporting Services offers a lot of options for gauges – first introduced with SQL Server 2008
- Be cautious with use of radial gauges – they take up a lot of space & can be difficult for users to interpret quickly

Linear Gauge Example

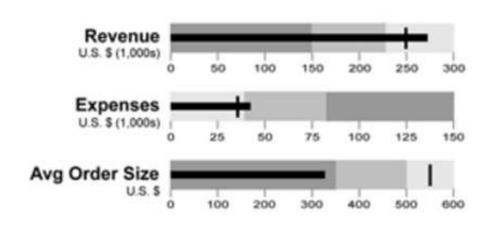
AM



Source: Stephen Few, Information Dashboard Design

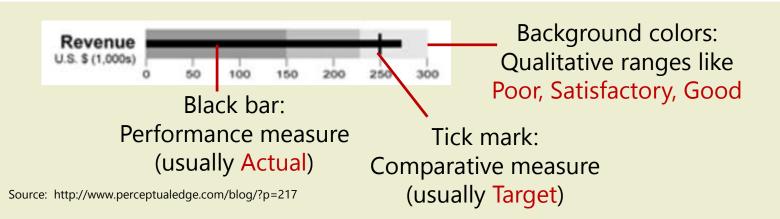
Bullet Graph

A type of linear gauge: shows actual, target & thresholds in compact space.

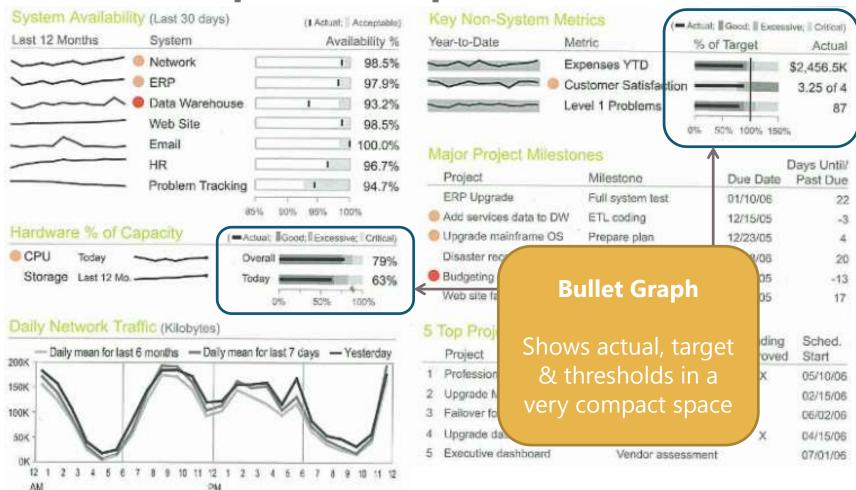


| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | |
| SSRS | Yes |
| Power View | |
| Excel | Yes (*) |

- Built-in to Reporting Services.
- (*) Not built-in to Excel, but can be done by an advanced user



Bullet Graph Example



Source: Stephen Few, Information Dashboard Design

Sparklines

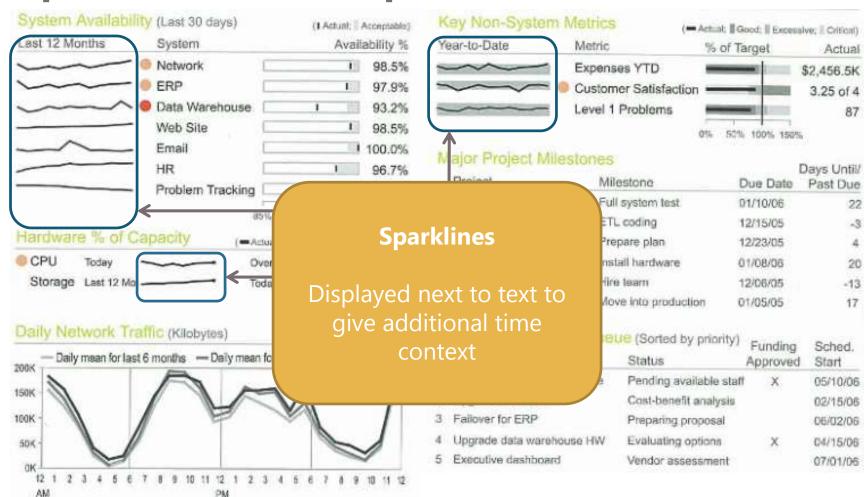
Displayed inline with text; useful for displaying trends (similar to line chart) in a very small space, to provide additional context

| | Sales | ear |
|--------------|-------------|------|
| - | \$506,570 | 2005 |
| man and | \$1,176,251 | 2006 |
| May May John | \$1,227,895 | 2007 |

| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | |
| SSRS | Yes |
| Power View | |
| Excel | Yes |

Reporting Services offers the most options for sparklines (first introduced in the 2008 R2 version)

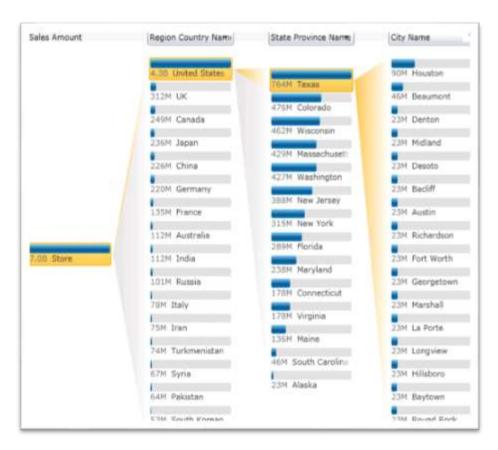
Sparklines Example



Source: Stephen Few, Information Dashboard Design

Decomposition Tree

Ability to see how individual members contribute to the total by clicking on the nodes; useful for interactive root cause analysis

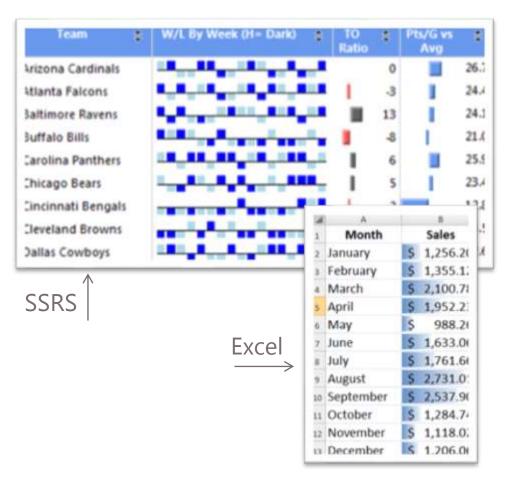


| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | |
| SSRS | |
| Power View | |
| Excel | |

- > Client machine needs Silverlight
- Cannot export (i.e., to Excel or PPT)
- > Can't create in Dashboard Designer
- Can't customize or modify colors
- Only works w/ a Measure or KPIs imported from SSAS cube

Data Bars

Displayed inline with text; useful for comparing values (similar to bar chart)

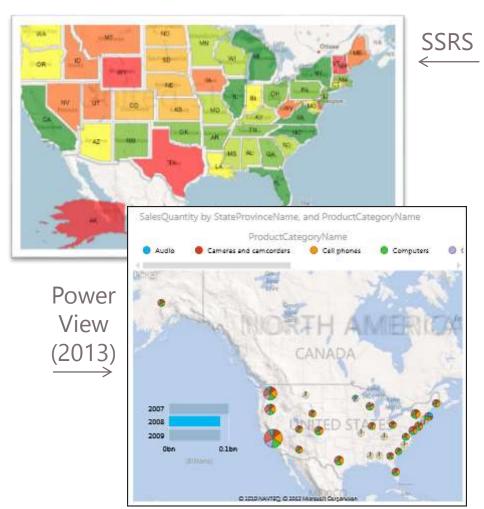


| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | |
| SSRS | Yes |
| Power View | |
| Excel | Yes |

- Reporting Services offers the most options for data bars
- Excel displays a Data Bar within the same cell as the numeric value; Reporting Services displays it separately
- ➤ If you need "Data Columns" (ex: the W/L By Week column), SSRS is the only option

Maps

Spatial representation of a geographic area & its characteristics



| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes (*) |

- SSRS Maps integrate with Bing Maps, or ESRI shape files
- SSRS also offers a Color Analytical Map (similar to a heat map), and a Bubble Map
- (*) Maps are introduced in Power View for Office 2013 & Power View for SharePoint 2013; integrated with Bing Maps (requires internet access)

Indicators

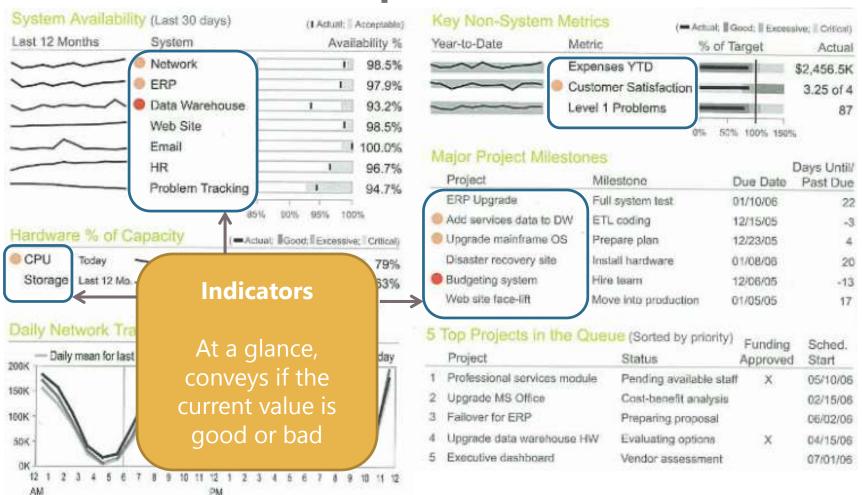
Displays the state or condition of a value, goal, or a trend.
Useful for "at a glance" analysis.

| | Q3 | | | Q4 | |
|--------------------------|-------------|-------------|-------------|-------------|--|
| | Actual | Target | Actual | Target | |
| Operational Scorecard | | | | | |
| - Increase Revenue | | | | | |
| Sales Amt | \$2,189,818 | \$2,189,818 | \$2,483,388 | \$2,483,388 | |
| Sales Amt - % Growth PP | -11.62% | 5.00% | 13.41% | 5.00% | |
| Unit Sales | 147,353 | 160,000 | 152,706 | 180,000 | |
| Unit Sales - % Growth PP | -8.17% | 5.00% | 3.63% | 5.00% | |
| - Stores Optimization | | | | 1 | |
| Sales Per Sq Foot | \$1.61 | \$1.50 | \$1.73 | \$1.50 | |
| Same Store Sales Growth | -8.28% | 10.00% | 13.11% | 10.00% | |
| - Price Optimization | | | | | |
| Price Elasticity | 2.22 | 1 | 0.4 | 1 | |
| Avg Unit Price | \$14.86 | \$18.00 | \$16.26 | \$18.00 | |
| % Markdown | 3.02% | 5.00% | 2.66% | 5.00% | |
| - Inventory Optimization | | | | | |
| Inventory Turns | 4.2 | 6 | 5.1 | 6 | |
| % Linit Returns | 2.30% | 2.50% | 2.60% | 2.50% | |

| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | Yes |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

- SharePoint offering here is for straightforward, very simple needs only (ex: 3 states only)
- ➤ Excel has a lot of options but it doesn't have a green trend arrow that points down (green only points up), which would be required for a KPI where "Less is Better"

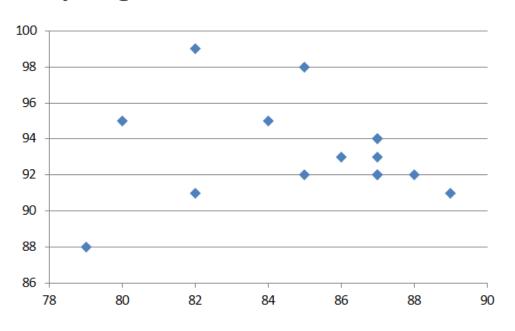
Indicators Example



Source: Stephen Few, Information Dashboard Design

Scatter Charts

Density & placement of points indicate patterns & relationships (or lack thereof) between a pair of numerical values. Suitable for very large sets of data.

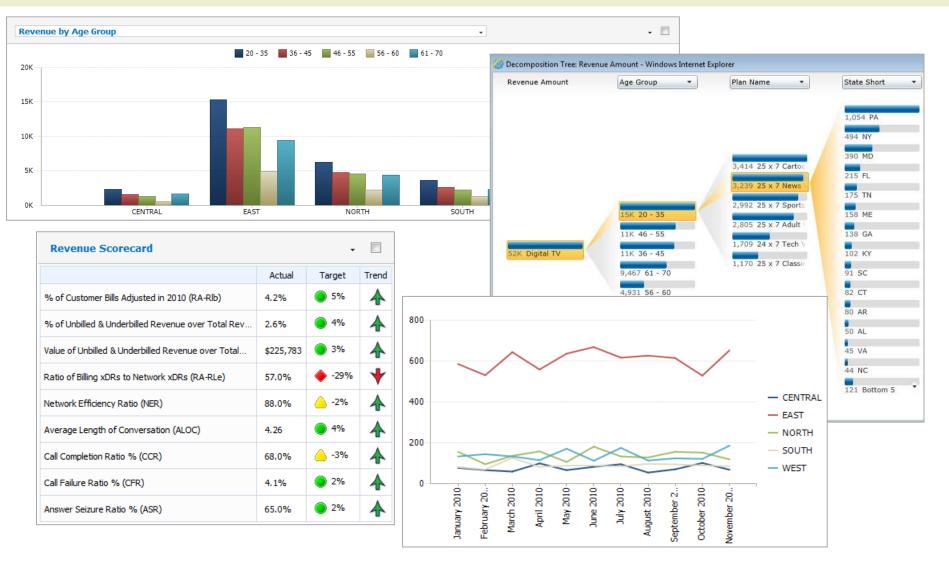


| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | Yes |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

- ➤ In Power View, a Scatter Chart turns into a Bubble Chart if a 3rd measure is added
- > In Power View, a Scatter Chart can be "played" when time is on the X axis

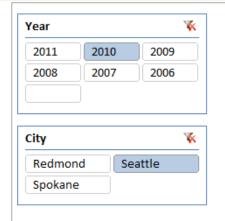
Demo

PerformancePoint Visualization



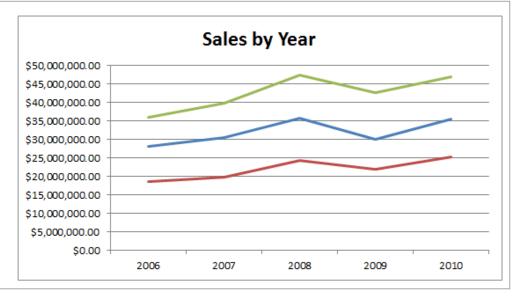
Demo

Excel Visualization



| Row Labels | Sum of Sales Amount | Average of Max Temp | Sum of Precipitation |
|----------------|---------------------|---------------------|----------------------|
| January 2010 | \$1,864,288.77 | 51 | 6.17 |
| February 2010 | \$1,496,212.22 | 53 | 3.52 |
| March 2010 | \$2,377,714.49 | 54 | 3.76 |
| April 2010 | \$1,593,378.91 | 57 | 3.49 |
| May 2010 | \$1,744,563.74 | 61 | 2.83 |
| June 2010 | \$1,891,517.94 | 66 | 2.49 |
| July 2010 | \$1,512,178.85 | 75 | 0.31 |
| August 2010 | \$1,973,744.95 | 75 | 0.64 |
| September 2010 | \$1,573,317.14 | 67 | 4.8 |
| October 2010 | \$2,279,043.12 | 60 | 5.24 |
| November 2010 | \$4,135,155.35 | 48 | 5.05 |
| December 2010 | \$2,803,837.61 | 48 | 8.69 |
| Grand Total | \$25,244,953.09 | 60 | 46.99 |



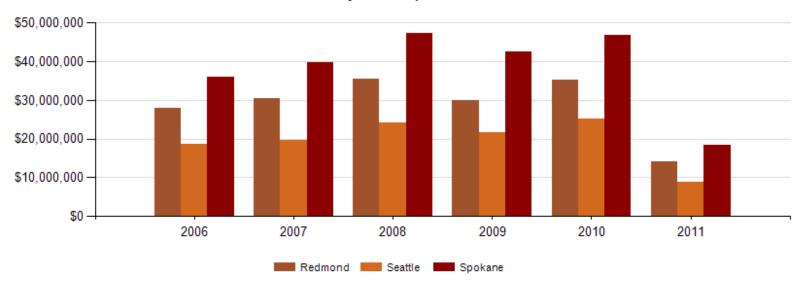


Demo SSRS Visualization

| Year | Redmond | Seattle | Spokane | Total |
|------|--------------|--------------|---------|---------------------|
| 2006 | \$27,987,178 | \$18,578,238 | \$35,96 | 5,660 \$82,531,077 |
| 2007 | \$30,434,929 | \$19,611,070 | \$39,75 | 7,504 \$89,803,503 |
| 2008 | \$35,531,402 | \$24,215,340 | \$47,25 | 4,674 \$107,001,415 |
| 2009 | \$29,842,001 | \$21,719,684 | \$42,42 | 8,109 \$93,989,794 |
| 2010 | \$35,279,002 | \$25,244,953 | \$46,86 | 0,437 \$107,384,392 |
| 2011 | \$14,057,619 | \$8,769,836 | \$18,46 | 6,007 \$41,293,463 |

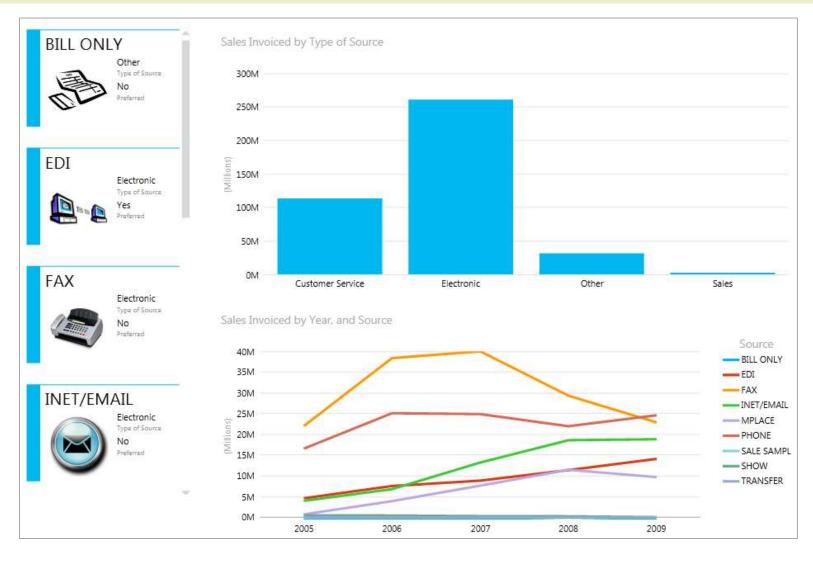
Male-Female-

Sales by Dealership Location



Demo

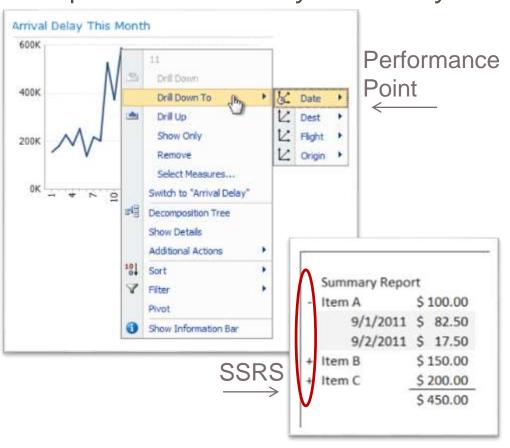
Power View Visualization



INTERACTIVITY

Drill Down

Reveal more detail via a click operation on a parent row. Display remains on the same page. Different tools implement extremely differently.



| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

- PerformancePoint is particularly strong in this area (if source is SSAS). Not available with custom MDX.
- SSRS displays drill down (+/-) by using a parent/child hierarchy, or by using "Visibility" and "Toggle" properties.
- Excel displays drill down (+/-) on pivot table rows or columns.
- Drill up/down introduced in Power View for Excel 2013 & Power View for SharePoint 2013.

Drillthrough

Reveal a more detailed report via a click operation. Also referred to as "Show Details."

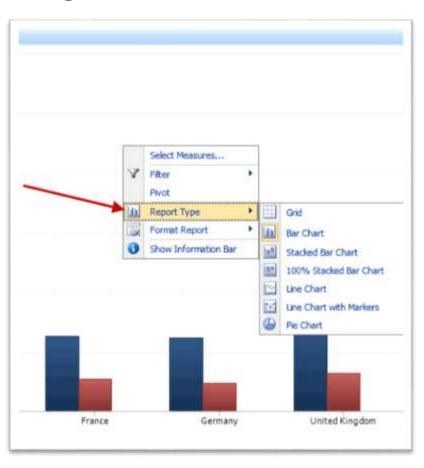


| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | Limited |
| SSRS | Yes |
| Power View | |
| Excel | Limited |

- SSAS Drillthrough actions may be utilized within an Excel pivot table ("Show Details") but not within a pivot chart.
- In Excel Services (online), not all interactivity is not supported. Need to open the workbook.
- SSRS drillthrough: using a "Go to Report" action, or "Go to URL."

Dynamic Change of Display

Quickly change the type of chart being rendered.



| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | |
| SSRS | * |
| Power View | Yes |
| Excel | Yes |

- ➤ In PerformancePoint, changing from a chart to a grid is a great way to quickly provide the user with the underlying data
- Power View can quickly "switch visualization" but only in Design Mode
- *SSRS could do this through hidden regions & parameter prompts

Dynamic Use of Space

Change what's being rendered within the dashboard based on what's selected by the user; great way to show companion charts or KPI Details

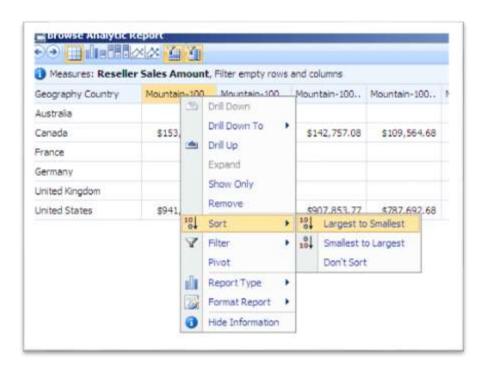


| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | |
| SSRS | |
| Power View | |
| Excel | |

A great way to dynamically display KPI Details, or another type of visualization (like a bar chart or a line chart) depending on which measure is selected

Interactive Sorting

Dynamically change how data is sorted

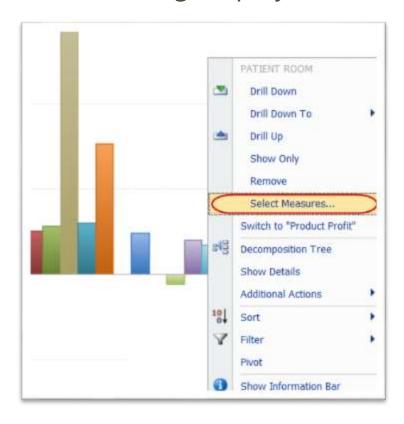


| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | |
| SSRS | Yes |
| Power View | Yes |
| Excel | Yes |

- Automatically available to all charts in PerformancePoint.
- In SSRS, this is defined on a columnby-column basis by the report developer.
- In Excel, this is delivered using standard pivot table functionality (column headings).

Change Measures

Dynamically change the measure which is being displayed

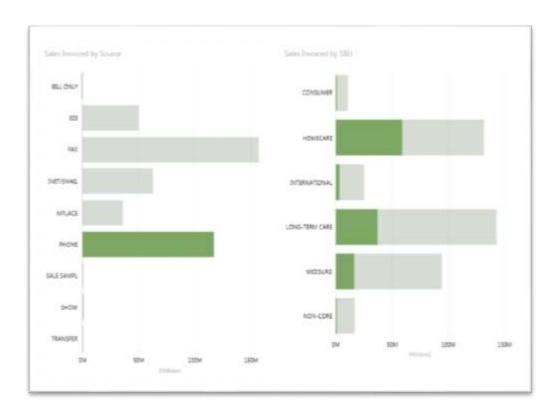


| MSBI Tool | Available? |
|------------|------------|
| PPS | Yes |
| SharePoint | |
| SSRS | * |
| Power View | Yes |
| Excel | Yes |

- Automatically available to all charts in PerformancePoint.
- ➤ In PerformancePoint, if another measure is selected, a 2nd chart is displayed side by side with the first chart.
- * In SSRS, this is defined manually by using parameter choices.
- In Excel, this is delivered using standard pivot table functionality.
- Power View can do this but only in Design Mode.

Highlighting & Cross-Filtering

Control all other visualizations by clicking on one element. Not a filter. Rather, it "greys out" the non-related values.

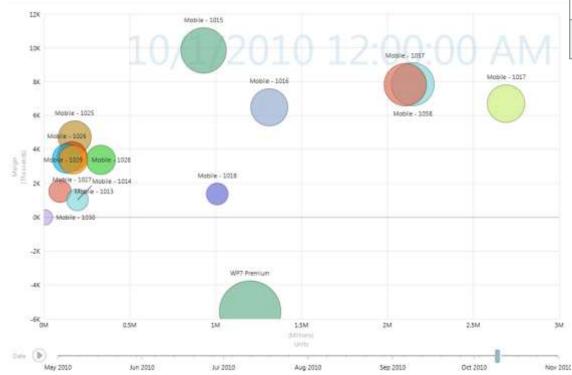


| MSBI Tool | Available? | | | |
|------------|------------|--|--|--|
| PPS | | | | |
| SharePoint | | | | |
| SSRS | | | | |
| Power View | Yes | | | |
| Excel | | | | |

Play Axis

A slider along the Play Axis which "plays" or "moves" the data points along the axis (usually time). When played, the bubbles travel, grow & shrink to show how the values changed over time.

Product Mix

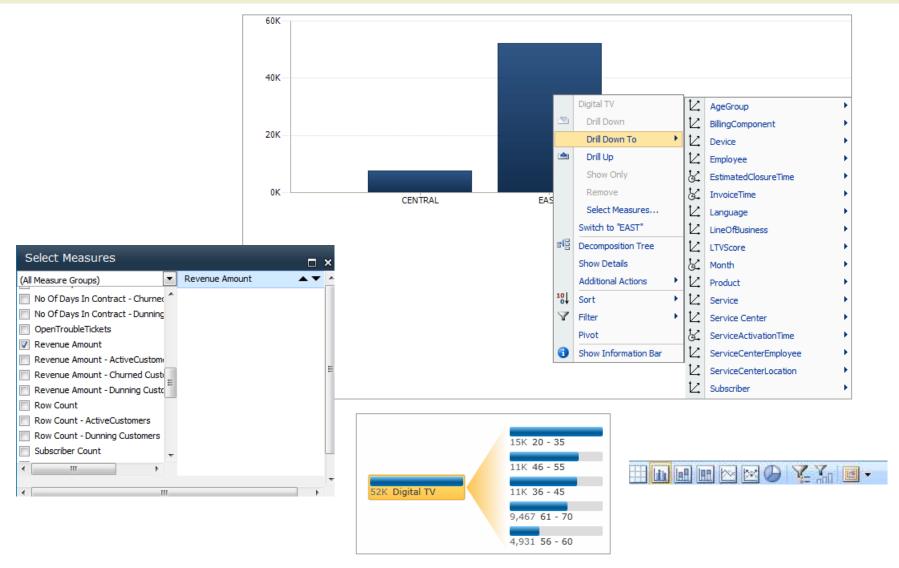


| MSBI Tool | Available? |
|------------|------------|
| PPS | |
| SharePoint | |
| SSRS | |
| Power View | Yes |
| Excel | |

The Play Axis is implemented by adding a date/time field to scatter & bubble charts

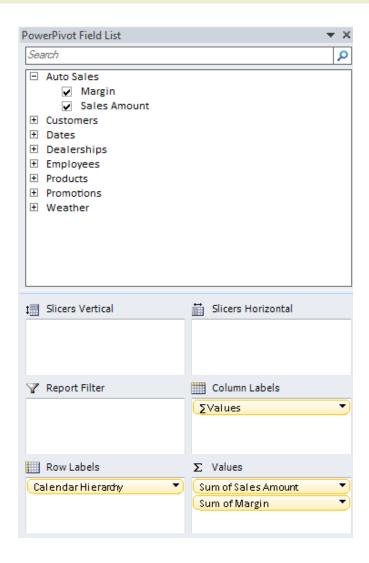
Demo

PerformancePoint Interactivity

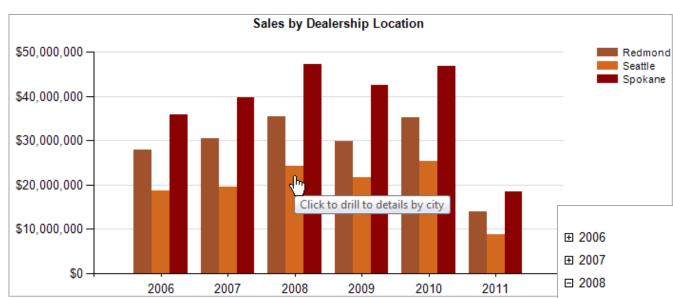


Demo Excel Interactivity

| Row Labels 🔻 Su | m of Sales Amount | Sum of Margin |
|--------------------------------------|-------------------|-----------------|
| 2006 | \$82,531,076.88 | \$4,509,575.28 |
| ± 2007 | \$89,803,502.66 | \$4,344,905.06 |
| ± 2008 | \$107,001,415.16 | \$4,699,558.76 |
| ± 2009 | \$93,989,794.00 | \$4,811,360.40 |
| □ 2010 | \$107,384,391.61 | \$5,816,483.61 |
| □ Q1 2010 | \$23,651,597.44 | \$1,251,262.64 |
| ■January 2010 | \$7,412,012.76 | \$392,872.76 |
| 1/4/2010 | \$1,888,992.50 | \$101,174.90 |
| 1/11/2010 | \$1,672,822.72 | \$91,103.52 |
| 1/18/2010 | \$1,884,380.90 | \$91,825.30 |
| 1/25/2010 | \$1,965,816.64 | \$108,769.04 |
| ⊞ February 2010 | \$7,116,911.07 | \$371,231.87 |
| ■ March 2010 | \$9,122,673.61 | \$487,158.01 |
| 3 Q2 2010 1 1 1 1 1 1 1 1 1 1 | \$23,037,665.87 | \$1,269,794.27 |
| ⊞ Q3 2010 | \$22,581,509.51 | \$1,252,836.71 |
| ⊕ Q4 2010 | \$38,113,618.79 | \$2,042,589.99 |
| ± 2011 | \$41,293,462.58 | \$2,344,802.58 |
| Grand Total | \$522,003,642.89 | \$26,526,685.69 |
| | | |



Demo SSRS Interactivity



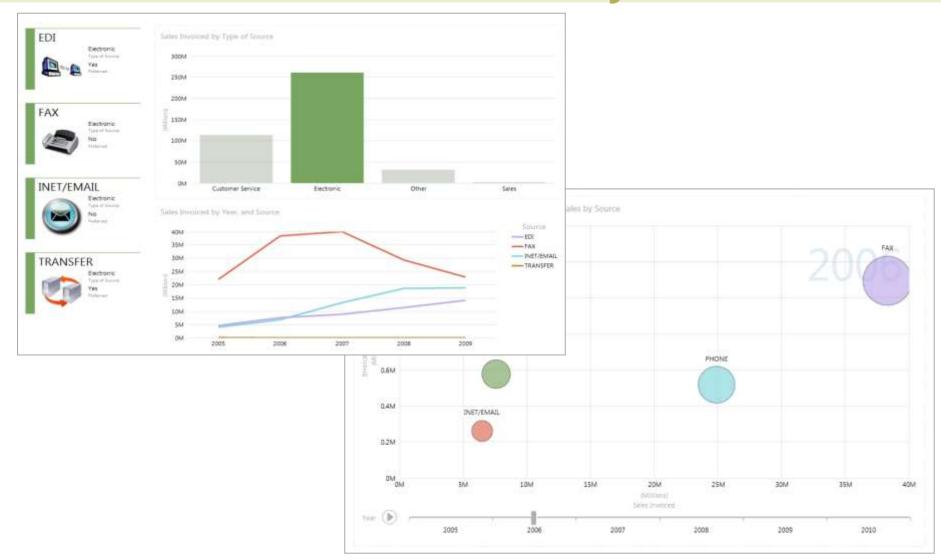
| | Sales Alliount | wargiii |
|------------------|----------------|-------------|
| ⊞ 2006 | \$18,578,238 | \$998,115 |
| ⊞ 2007 | \$19,611,070 | \$943,644 |
| □ 2008 | \$24,215,340 | \$1,064,322 |
| □ Q1 2008 | \$6,319,302 | \$268,306 |
| January 2008 | \$1,705,733 | \$79,569 |
| February 2008 | \$1,853,593 | \$77,091 |
| March 2008 | \$2,759,976 | \$111,646 |
| ⊞ Q2 2008 | \$5,817,452 | \$251,618 |
| ⊞ Q3 2008 | \$6,352,389 | \$265,007 |
| ⊞ Q4 2008 | \$5,726,196 | \$279,392 |
| ⊞ 2009 | \$21,719,684 | \$1,097,930 |
| ⊞ 2010 | \$25,244,953 | \$1,382,959 |
| ⊞ 2011 | \$8,769,836 | \$507,988 |

Sales Amount

Margin

Demo

Power View Interactivity



DATA SOURCES

Data Sources listed are "direct" paths – there are additional indirect paths (ex: via BCS or BISM)

| Source | PPS | SPS Chart | SPS Indicator | SSRS | Power View | Power Pivot |
|-----------------|--------------------------------------|--------------|------------------|------|---------------|------------------|
| SQL Server | Yes | Via BCS | | Yes | | Yes |
| SQL Azure | | | | Yes | | Yes |
| SQL Parallel DW | | | | Yes | | Yes |
| SharePoint List | Yes | Yes | Yes | Yes | | Yes Atom feed |
| Excel Services | Yes To a non- anonymous library only | Yes | Yes | | | |
| Excel Workbook | Yes Imported – no connection | | | | | Yes |

| Source | PPS | SPS Chart | SPS Indicator | SSRS | Power View | Power Pivot |
|------------|-----|--------------|------------------|---------------------|---------------|----------------|
| Oracle | | | | Yes | | Yes |
| Teradata | | | | Yes | | Yes |
| DB2 | | | | Yes Feature pack | | Yes |
| Sybase | | | | | | Yes |
| Informix | | | | | | Yes |
| OLE DB (*) | | | | Yes | | Yes |
| ODBC | | | | Yes | | Yes |
| Access | | | | | | Yes |

BI Semantic Model (BISM):

| Source | PPS | SPS Chart | SPS Indicator | SSRS | Power View | Power Pivot |
|---------------------------------------|--|--------------|------------------|--|---|----------------|
| Analysis Services Multidimensional | Yes | | Yes | Yes | Coming soon | Yes |
| Analysis Services Tabular | Yes | | Yes | Yes | Yes | Yes |
| PowerPivot | Yes PowerPivot for SharePoint | | | Yes PowerPivot for SharePoint | Yes PowerPivot for SharePoint or Excel 2013 | Yes |

Other Multidimensional:

| Source | PPS | SPS Chart | SPS Indicator | SSRS | Power View | Power Pivot |
|------------------|-----|--------------|------------------|------|---------------|----------------|
| Hyperion Essbase | | | | Yes | | |
| SAP BI NetWeaver | | | | Yes | | |

Other:

| Source | PPS | SPS Chart | SPS Indicator | SSRS | Power View | Power Pivot |
|--|-----------------------|--------------|------------------|------|---------------|----------------|
| Business Connectivity Services (BCS) | | Yes | | | | |
| Web parts capable of sending data | | Yes | | | | |
| Fixed Values | Yes KPIs only | | Yes | | | |
| XML | | | | Yes | | |
| Custom | Yes Via SDK | | | Yes | | |

Other:

| Source | PPS | SPS Chart | SPS Indicator | SSRS | Power View | Power Pivot |
|---|-----|--------------|------------------|------|---------------|------------------|
| SSRS Report Model | | | | Yes | | |
| Reporting Services Report (Atom Feed) | | | | | | Yes |
| Data Feeds | | | | | | Yes Atom only |
| Azure Data Market | | | | | | Yes |
| Delimited Text | | | | | | Yes |

FORMATTING, EXPORTING AND PRINTING

Formatting Flexibility

| MSBI Tool | | Flexibility with Appearance, Sizing, & Layout |
|------------|------|---|
| PPS | .00 | Themes introduced in PPS 2013 |
| SharePoint | •000 | Some flexibility |
| SSRS | | Significant control using properties & expressions Can extend to VB.NET code if needed |
| Power View | | Themes introduced in Power View 2013 |
| Excel | .00 | Significant control using standard Excel functionality Exception: pivot tables (workaround: convert pivot table to formulas to "break" the formatting restrictions) |

With a tool like Reporting Services: you'll build many more dashboard components manually (as contrasted to a tool like PerformancePoint), but in exchange you get significant control over its appearance.

Exporting

| MSBI Tool | Excel | Word | PDF | CSV | XML | Atom Feed | Web | TIFF | Power Point |
|------------|---------------------------------|------|-----|-----|-----|--------------|-----|------|--|
| PPS | Yes Except Decomp Tree | | | | | | | | Yes Except Decomp Tree |
| SharePoint | | | | | | | | | |
| SSRS | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Power View | | | | | | | | | Yes SharePoint Not Excel 2013 |
| Excel | n/a | | Yes | Yes | Yes | | Yes | | |

This list isn't exhaustive for Excel

Exporting is only available within the Excel client (not Excel Services)

Printing

| MSBI Tool | Printing Capability | | | |
|------------|---|--|--|--|
| PPS | Browser | | | |
| SharePoint | Browser | | | |
| SSRS | Yes. Separate properties in the report definition control physical page size versus the interactive page size | | | |
| | 4 4 1 of 2 ▶ ▶ ♦ 100% → Find Next Select a format → Export Print | | | |
| | Requires an ActiveX control to use the client print control (Can be suppressed with ReportServer properties) | | | |
| Power View | Printing of the current view | | | |
| Excel | Excel Services: Browser (alternative: open in Excel if permitted by security) | | | |
| | Desktop version: File menu | | | |

SHAREPOINT AND SILVERLIGHT

SharePoint Requirements

| MSBI Tool | Dependency on SharePoint |
|------------|--|
| PPS | Yes |
| SharePoint | Yes |
| SSRS | Yes - SharePoint Mode |
| | No - Native Mode (Report Manager) No - Report Server Web Service No - Report Viewer Controls |
| Power View | Yes - Power View for SharePoint (2010 or 2013) |
| | No - Power View for Office 2013 |
| Excel | Yes - Excel Services Yes - PowerPivot for SharePoint |
| | No - Excel No - PowerPivot for Excel |

Silverlight Requirements

| MSBI Tool | Dependency on Silverlight |
|------------|---|
| PPS | No With one Exception: Decomposition Tree requires Silverlight |
| SharePoint | No |
| SSRS | No |
| Power View | Yes Applicable to both Power View for SharePoint as well as Power View for Excel 2013 |
| Excel | No |

Note: The dependency on Silverlight impacts mobile options available

CONCLUSION

Factors to Consider...



Requirements:

#1 driver

- Visualization options
- Drill down
- Drill through
- Conditional display
- Data Sources
- Printing
- Exporting
- Formatting
- Tooltips
- Parameters, filters & slicers
 ...etc.

Technology:

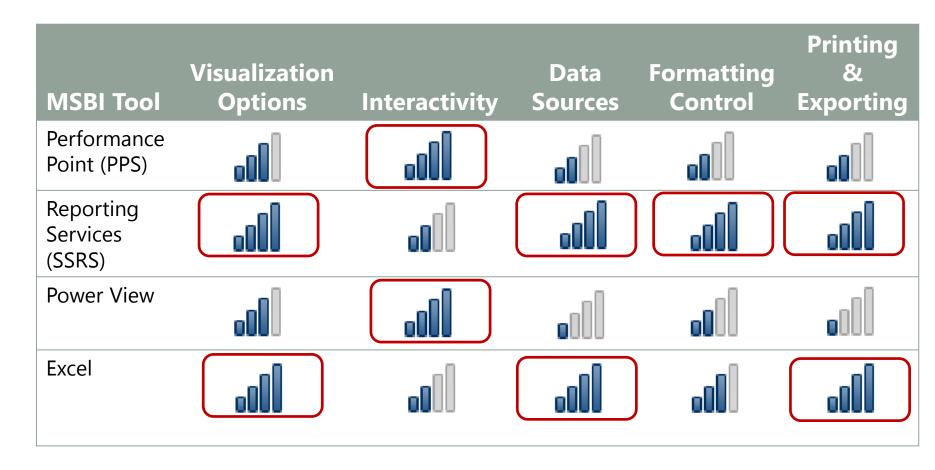
- Edition of software
- Version of software
- Software dependencies
- Staff skillsets & preferences

Other:

- User population
- User perceptions
- Security
- Customization
- Reusability
- Extensibility

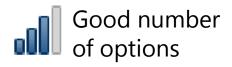
...etc.

Where to Start?











Further Reading

How to Choose the Right Business Intelligence Technology to Suit Your Style

Comparing different SharePoint business intelligence tools and applications

Comparing Analysis Services and PowerPivot

<u>PerformancePoint Services and PowerPivot for Excel (whitepaper)</u>

SharePoint Insights: Product Capabilities

Thanks for attending!

Dashboards...How To Choose MSBI Tool



Slides at sqlchick.com (Presentations page)

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