

# SharePoint 2010 – Insights

## BI för alla

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# Jag!

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# Målet med denna session

- Förstå *SharePoint Insights*
- Ny del i SharePoint
- *BI for the masses*
- Titta på
  - KPI Listor och grafer
  - Excel Services och PowerPivot
  - Visio Services
  - PerformancePoint Services

# Agenda

- BI for the masses
- Business Connectivity Services
- KPI listor och grafer
- Excel Services
- PowerPivot
- PerformancePoint Services
- Visio Services



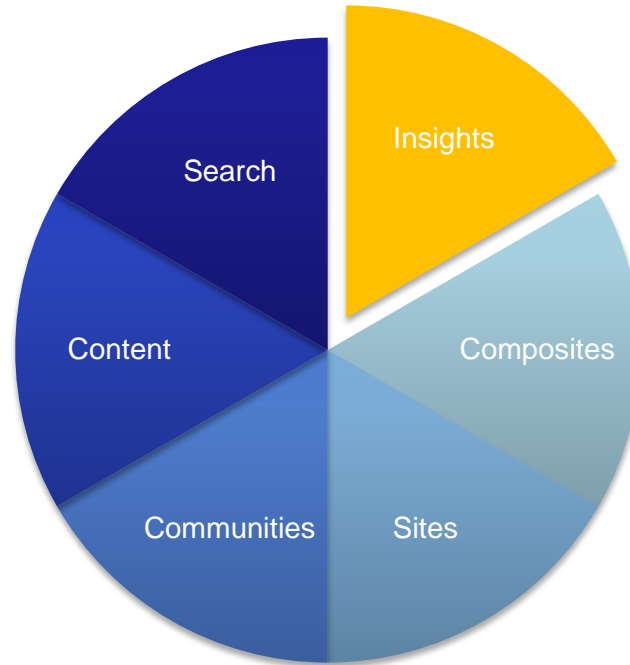
# Vad är BI?

- *”Metoder och tekniker för att samla, lagra, analysera och ge tillgång till data för att hjälpa företagets användare att ta affärsbeslut”*
- Business Intelligence
- Performance Management

# BI for the Masses



Microsoft®  
**SharePoint® Server 2010**



# Microsoft BI Stack

## Microsoft Office 2010

- Användarupplevelsen

## Microsoft SharePoint 2010

- Samarbetsplattformen

## Microsoft SQL Server 2008 R2

- Infrastruktur och data



# BI en Masse

## Standard Web Parts

- Ny Chart Web Part + status indikatorer (KPI)

## Excel + PowerPivot Add-In

- Excel klienten

## Excel Services

- Ny version



## Visio Services

- Visio klienten + server side rendering



## Reporting Services

- SQL Server Reporting Services + Report Builder

## PerformancePoint Services

- Dashboards + Dashboard Designer



# Nya utvecklingsverktyg

SharePoint Designer 2010

- Business Connectivity Services
- Dashboards

PerformancePoint 2010

- Ny dashboard designer

Visual Studio 2010

- Nya lösningar
- Skapa kuber

Excel 2010

- PowerPivot
- Excel Services

Visio 2010

- Visio Services

Access 2010

- Access Services

Report Builder

- SQL Server Reporting Services

# Andra viktiga nyheter i 2010:an

- Service Applications
- Secure Store Service
- Claims based autentisering

# SharePoint BI Center Template

- Ny Site Template
- Ersätter Report Center



PPS1

[Dashboards](#)  
[Data Connections](#)  
[Documents](#)  
[PerformancePoint Content](#)

Recycle Bin  
 All Site Content

## Business Intelligence Center

The Business Intelligence Center enables you to collaborate, discover and manage the information you need to drive the business forward, insights enabling them to make informed decisions, and move the business forward, one activity at a time.

### Start Keeping Track with SharePoint Status Lists



Status lists are a great way to share the status of a task or project with a broader audience. Indicators can be based on data in a database, inside SharePoint, or entered by hand.

- [View SharePoint samples](#)
- [Learn more online](#)

### Create Scorecards with PerformancePoint Services



A scorecard is a visual representation of your company's strategy, operational goals and engagement. PerformancePoint Services, a Balanced Scorecard certified product, lets you build robust, interactive scorecards from a variety of data sources.

- [Start using PerformancePoint Services](#)
- [Learn more online](#)

### Monitor Key Performance

Use scorecards and status lists to track your progress towards goals more effectively. At a glance, your organization can see how it is performing and identify areas that require attention.

### Build and Share Reports

Publish your Excel workbooks to SharePoint using Excel Services and let your team access and interact with their data in full fidelity. Use PerformancePoint Services analytic views to gain quick insights from your dashboards.

### Create Dashboards

Use SharePoint to create rich, interactive dashboards that help you turn data into insights. Dashboard pages can include scorecards, Excel Services Reports, analytic views and other data-driven visualizations.





# Business Connectivity Services

- BDC 2.0
- BDC on steroids!

# BI Web Parts

- KPI
  - Ungefär som MOSS 2007
- Chart Web Part
  - Ny web part





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THIN ICE

Handwritten mathematical expressions on a chalkboard:

- $3a(y+z)^2 + (3y + (4 + 4A)(x + \dots))$
- $a^2 C^3$
- $\frac{a^2 C^3}{39}$
- $(y + A)^{13} + \frac{2}{3} \dots$
- $(x + \dots)^2$



# Excel Services

- Server hostad Exchange
  - Tunn webbklient för Excel Workbooks
- Visar endast utvalda delar
  - Göm logiken
- Version 2
  - REST och JavaScript API
- Web Parts





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# Excel and PowerPivot

- PowerPivot är en Excel 2010 Add-in
- Analysera miljoner rader in en Excel Workbook
- PowerPivot är en SharePoint 2010 Add-in
- Tillägg till Excel Services

CalendarYear: 2001, 2002, 2003, 2004, 2006

Gender: F, M

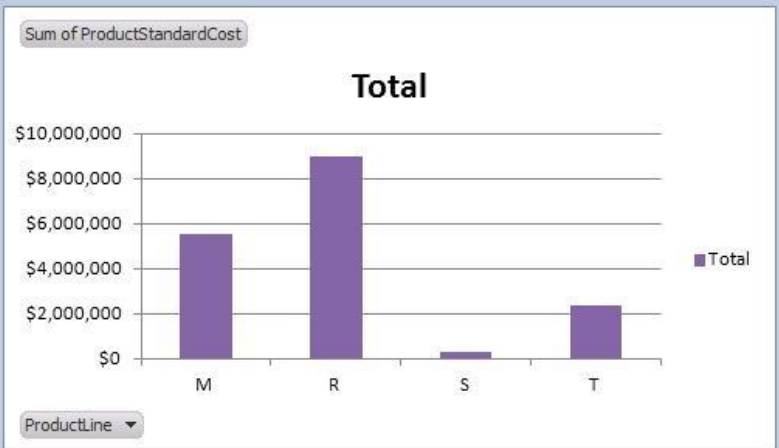
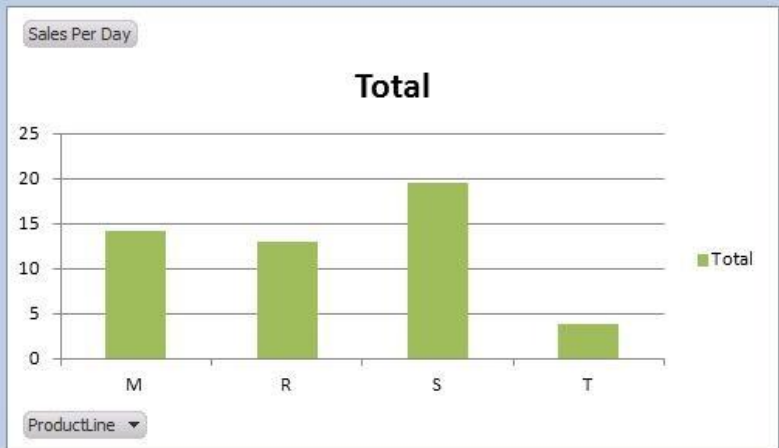
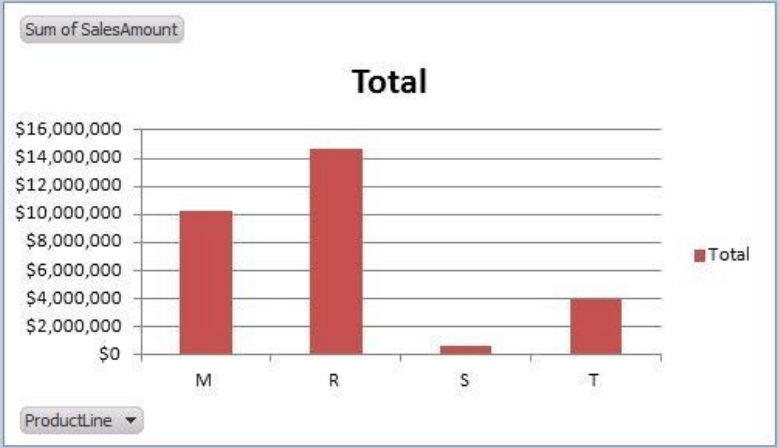
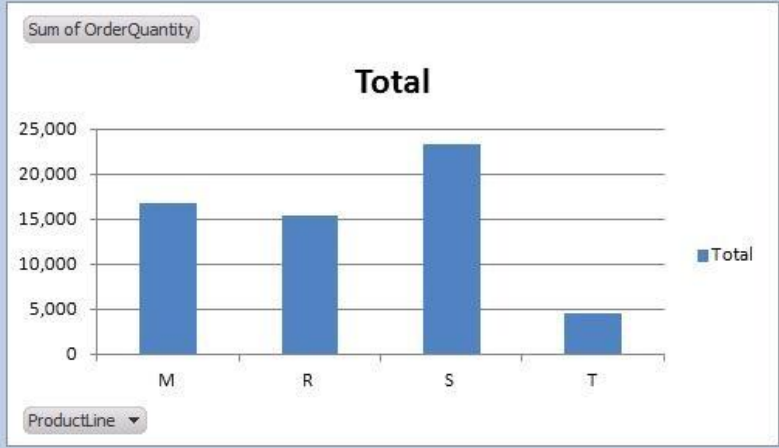
MaritalStatus: M, S

YearlyIncome: 10000, 20000, 30000, 40000, 50000, 60000, 70000, 80000, 90000, 100000, 110000, 120000, 130000, 150000, 160000, 170000

NumberChildrenAtHome: 0, 1, 2, 3, 4, 5

Temperature Ra...: Cold, Cool, Hot, Warm

EnglishPromotio...: No Discount, Touring-1000 ..., Touring-3000 ..., Volume Disco..., Half-Price Pe..., LL Road Fram..., Mountain Tir..., Mountain-10..., Mountain-50..., Road-650 Ove..., Sport Helmet ..., Sport Helmet ...



• Från <http://powerpivotpro.com/>

# Reporting Services

- SQL Server 2008 R2 Reporting Services Add-in for SharePoint
- Report View Web Part
- Stöd för SharePoint listor som datakällor i Report Builder
- Ribbon!





# PerformancePoint Services

- Möjliggör analys av data för icke BI användare
- Dashboards
  - Filtrera, dela, vrida på data
- Scorecards
  - Översiktlig vy av data
  - KPI
  - Ofta del av en Dashboard

# PPS 2010 vs 2007

- Del av SharePoint Server 2010
  - Samma säkerhetsmodell
  - Skalbarhet
  - Installation
- Service Application
- Decomposition Tree!
- Planning finns ej längre in PPS 2010

# Dashboard Designer

- Applikation
- Datakällor
- KPI:er
- Scorecards
- Grafer
- Bygga Dashboards



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Internet Sales Am:

Sales Territory Co: ▾

Sales Territory Re: ▾

Subcategory ▾

Product Name ▾

4.0M North America

3.3M United States

674K Canada

2.0M Southwest

1.3M Northwest

8,442 Southeast

2,566 Northeast

233 Central

882K Mountain Bikes

543K Touring Bikes

467K Road Bikes

28K Tires and Tube

25K Helmets

20K Jerseys

12K Shorts

7,407 Fenders

7,332 Bottles and C

6,120 Bike Racks

5,389 Hydration Pa

5,144 Vests

4,776 Gloves

3,339 Bike Stands

2,050 Caps

867 Cleaners

692 Socks

146K Mountain-200

142K Mountain-200

133K Mountain-200

129K Mountain-200

117K Mountain-200

116K Mountain-200

22K Mountain-400-

15K Mountain-400-

15K Mountain-400-

13K Mountain-400-

5,940 Mountain-500

5,650 Mountain-500

4,860 Mountain-500

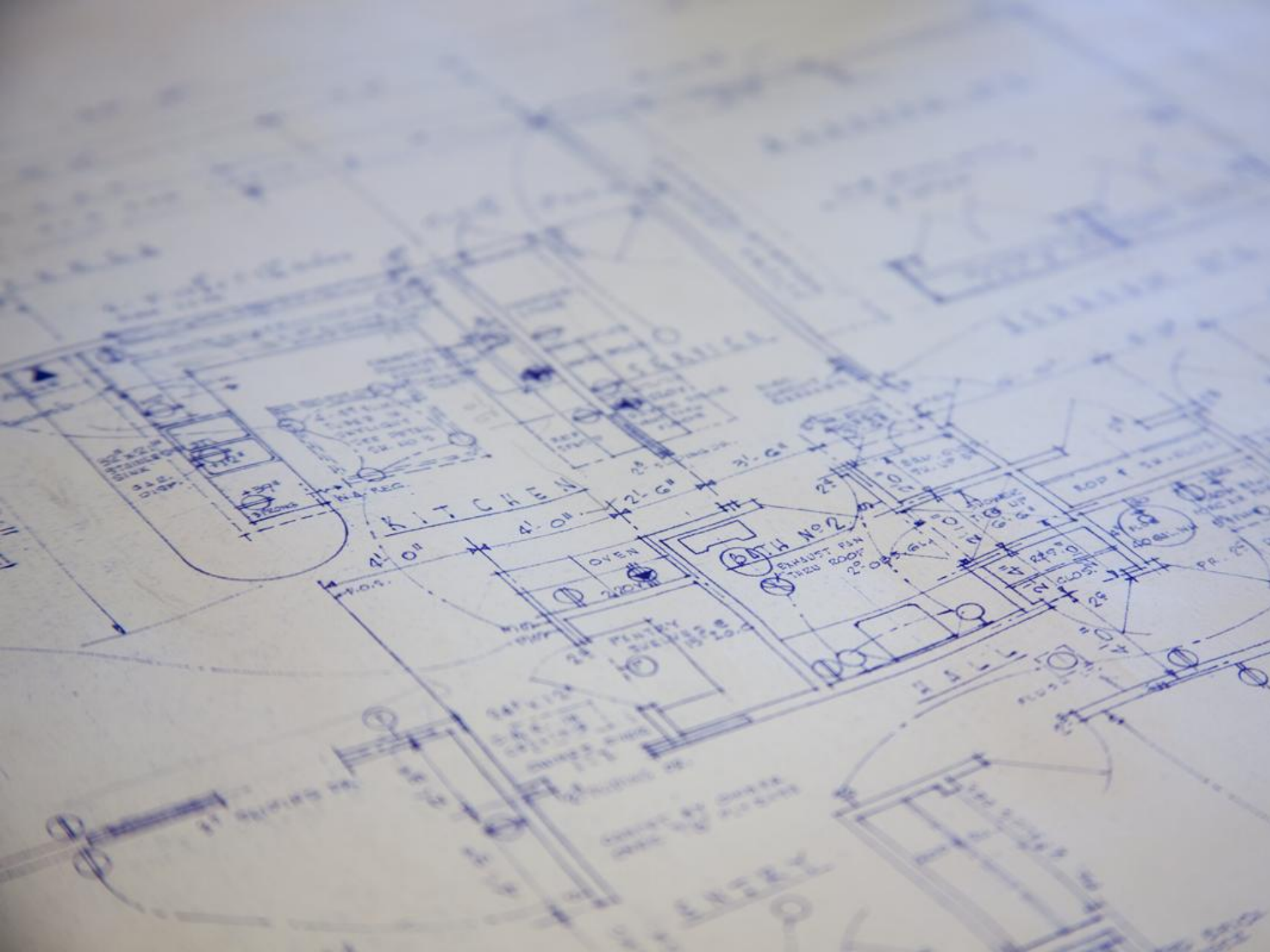
4,320 Mountain-500

2,825 Mountain-500

2,825 Mountain-500

7,710 Bottom 4





# Visio Services

- Rendering av Visio dokument
- Visio Web Drawing, \*.VDW
- Koppling av data till bakomliggande datakällor



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# BI Sök

- Sök i Excel Services och Reporting Services
- Sök i Dashboards (vanlig sida)



# Tips på vägen!

- Behörigheter
  - Least privileges
  - NTLM, Kerberos
  - Claims
- Dokumentera

# Törstig på kunskap?

- <http://channel9.msdn.com/learn/courses/SharePoint2010Developer/>
- <http://msdn.microsoft.com/SharePoint/>
- <http://www.powerpivot.com/>
- <http://blogs.msdn.com/visio/>
- <http://visiotoolbox.com/2010/>
- <http://www.wictorwilen.se/>



**WOWER**  
13:29.25  
THE ONE AND ONLY MAY 1 - 3, 2000

Challenge  
TRI A

G  
POLAR  
YEAR  
TV

Glöm inte att fylla i  
din utvärdering,  
tack för hjälpen.

*Du är välkommen att ställa frågor  
till mig i ~~baren~~ loungen efteråt!*