+PowerPivot
+Power View

=Self-service BI Revolution

October 15-18, 2013
Charlotte, NC

Jose Chinchilla, President & CEO
Agile Bay, Inc.

PASS SUMMIT 2013

Jose Chinchilla

MCITP: Database Administrator, SQL Server 2008
MCITP: Business Intelligence SQL Server 2008

Current Positions:

President, Agile Bay, Inc.
President, Tampa Bay Business Intelligence User Group
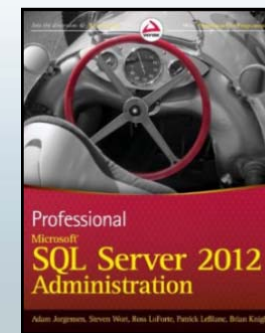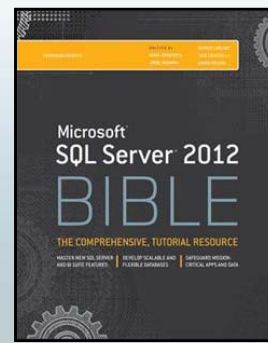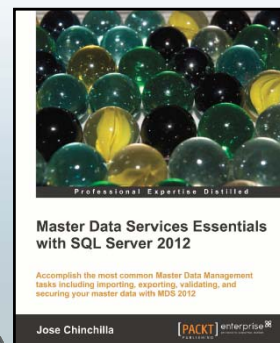Regional Mentor, PASS Greater Southeast

Blog: http://www.sqljoe.com
Twitter: @sqljoe
Linked-in: http://www.linkedin.com/in/josechinchilla
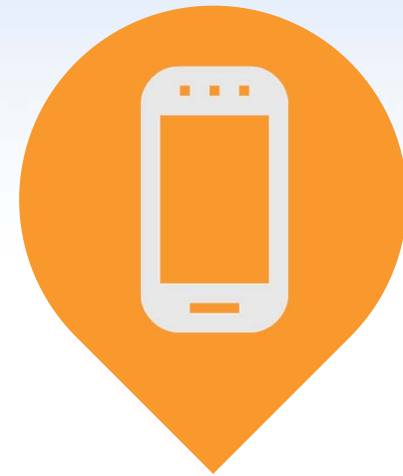**Email:**   jchinchilla@sqljoe.com

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Agenda

- Traditional "Enterprise" BI
    - Lifecycle
    - Challenges
- Self-Service BI
    - Definition
    - Background
    - Justification
- Demo:
    - Analyzing data from multiple sources with PowerPivot
    - Gaining insights from Power View Reports
    - Bonus: PowerMap and PowerQuery
- Q&A

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What is Business Intelligence?

"BI results when organizational culture, business processes and technologies are designed and implemented with the goal of improving the strategic and operational decision-making capabilities of internal and external stakeholders."

- International Data Corporation (IDC)

Focus on the keywords!

What is Business Intelligence?

"BI results when organizational **culture**, business **processes** and **technologies** are designed and implemented with the goal of **improving** the strategic and operational **decision-making** capabilities of internal and external **stakeholders** ."

- International Data Corporation (IDC)

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What is Business Intelligence?

culture   processes

technologies
improving
decision-making
stakeholders

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What is Business Intelligence?

Culture, processes and technologies to improve decision making for stakeholders.

Enterprise BI

Traditional BI

Traditional BI: Lifecycle

Missed Opportunities (y-axis)

Time (x-axis)

- Requirements Gathering
- Analysis
- Design
- Development
- Test / QA/ UAT
- Deployment
- Maintenance

3 to 6 months

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Traditional BI: Time to Data

The **Challenge**

Time to Data

Time to Information

Decision

Time to Decision

(intel)

Implementing Self-Service BI to Improve Business Decision Making
http://intel.ly/15ldsBG

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Traditional BI: Lifecycle

Requirements Gathering, Analysis & Design

Traditional BI: Expectation vs. Perception

Expectation   Perception

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Self-service BI

Definition

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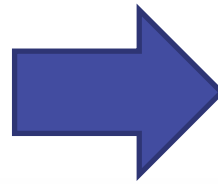
Self-Service BI: Definition

Enables business users to access and work with corporate information...

...without the IT department's involvement...

WAIT A MINUTE!

Self-Service BI: Definition

Without the IT department's involvement ?

Without the IT department's involvement ?

Without the IT department's involvement ?

You are thinking…

You are thinking...

You are thinking...

Self-Service BI: Definition Caveat

Enables business users to access and work with corporate information...

...without the IT department's involvement...

except, to set up the data warehouse and data marts and deploy the self-service query and reporting tools.

ETL

Modeling

Security

Infrastructure

Why Self-Service?

Background

The Disconnect

CIO

Budget

I need a bonus

Governance

Policies

MDX!

You

I need a vacation!

Dimensions, Facts

Reports

Data Quality

I.T. Takes too long

Business

I need data!

26

I.T. vs. Business

Disclosure

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras eget imperdiet ipsum. Morbi nisl leo, congue in mauris quis, hendrerit gravida ipsum. Integer condimentum tristique turpis, a euismod urna fringilla at. Cras laoreet nec tellus non accumsan. In feugiat dictum purus quis condimentum. Praesent sed ultricies velit. Donec neque risus, fermentum eu egestas et, fermentum vel est.Pellentesque id diam varius, tempus metus id, viverra nibh. Cras sit amet blandit leo, id aliquet lectus. Pellentesque feugiat aliquam odio a euismod. In at metus felis. Morbi id justo id diam consectetur laoreet sit amet sit amet turpis. Mauris luctus tristique lectus sit amet varius. Curabitur at metus ut nisi consectetur mattis. Nullam elit mauris, porttitor sit amet est pharetra, porttitor cursus nibh. Pellentesque faucibus porta felis in tempor. Aliquam tempor purus ac ipsum feugiat, ut pulvinar urna dapibus. Donec porttitor dolor tellus. Nullam id velit quis nisl ullamcorper pellentesque sed quis lectus. Integer placerat ante vestibulum ligula semper consequat. Proin ut tempus est, eget auctor lacus. Nam placerat turpis sapien. Nullam ac facilisis ipsum. Aliquam non dolor lobortis odio ornare feugiat.Suspendisse ut lectus lobortis, vehicula eros vitae, ornare nisl. In ligula sapien, vulputate quis sapien et, sodales luctus mi. Morbi nulla augue, posuere ac laoreet a, 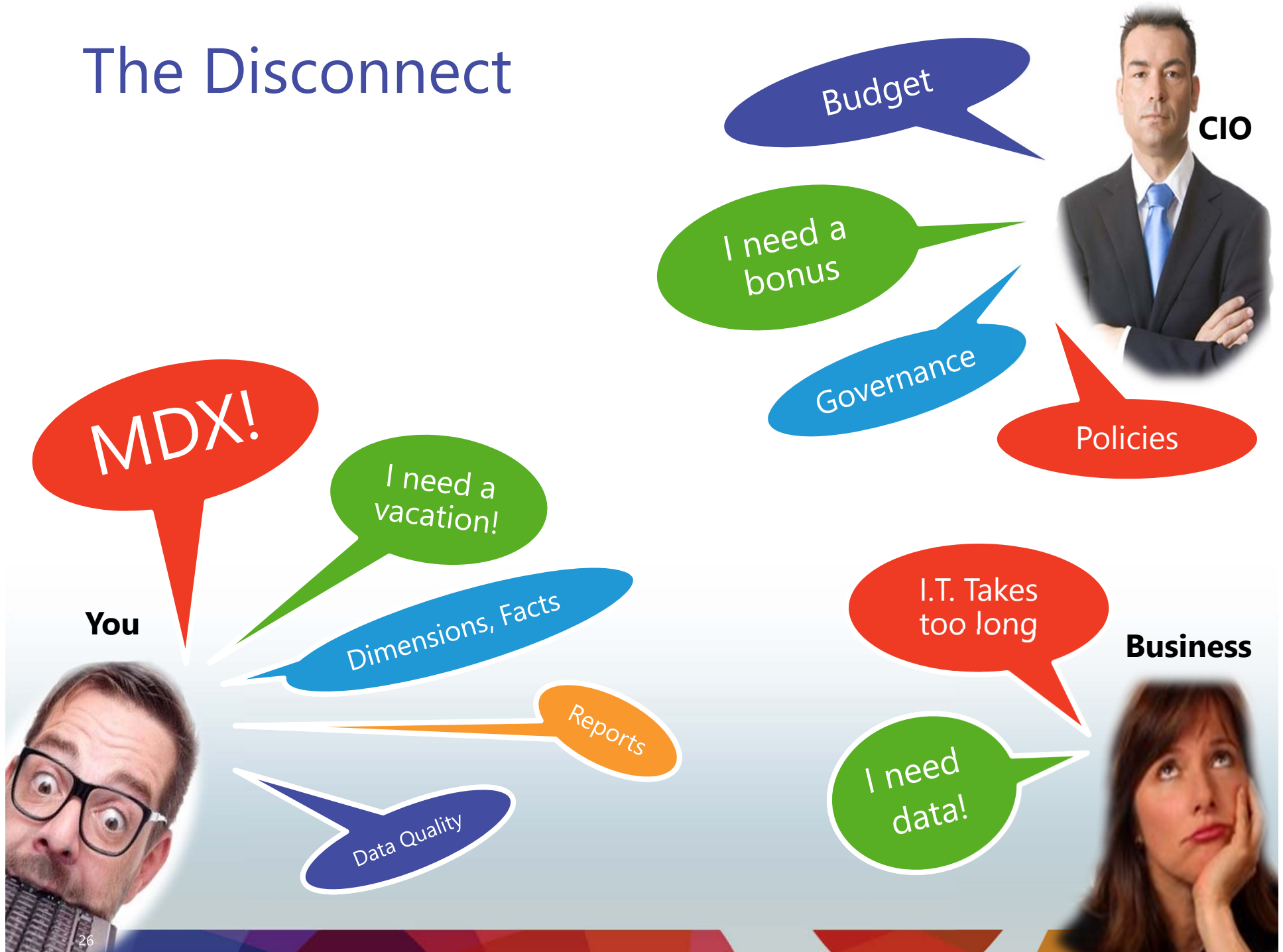volutpat vitae erat. Sed dapibus ultricies eros at mattis. Morbi ut urna non quam tristique commodo quis eget orci. Morbi accumsan vehicula mi non dictum. Vestibulum convallis et mi non ornare. In mauris ligula, feugiat nec auctor sit amet, varius pulvinar felis. Quisque at massa aliquam, mollis tellus sed, elementum mi. Cras scelerisque vitae est convallis mollis. Maecenas ac tristique quam. Vivamus lacus massa, mollis ut nisl consectetur, mollis posuere velit. Donec vitae augue dapibus, elementum sapien a, viverra quam. Maecenas vitae facilisis urna, non consectetur sapien. Donec porta erat a orci pulvinar, id bibendum felis malesuada.Integer convallis at dolor at varius. Duis a elit sagittis, eleifend elit at, ultricies diam. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nam vitae augue urna. Vestibulum fermentum, neque at scelerisque ullamcorper, arcu turpis faucibus ante, quis vulputate tellus enim vitae purus. Nullam ac fermentum augue. Aliquam erat volutpat.Praesent tincidunt vulputate arcu. Ut facilisis enim et vulputate scelerisque. Curabitur pulvinar nunc sed ante tincidunt, ac tempor risus sodales. Praesent ultrices ac metus et ultrices. Morbi dui turpis, mollis ac tellus eu, vestibulum mollis nisl. Vivamus sit amet risus at urna bibendum

Any similarities to your work environment are purely coincidental.

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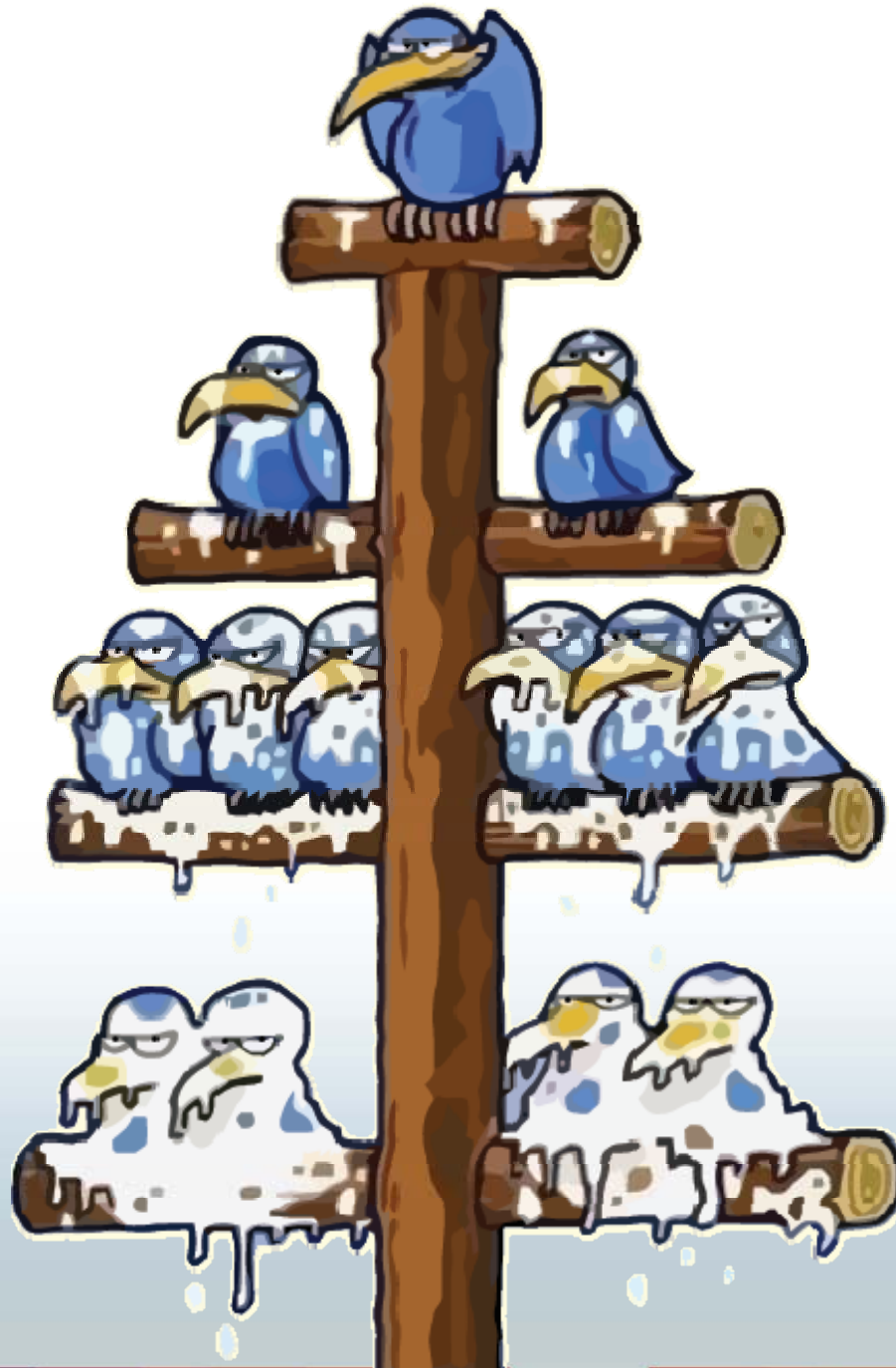This supersedes all previous notices.

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Who's to blame?

I.T. vs. Business

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Executives

Analysts

Developers

DBAs

Blame Flow

Self-Service BI

Justification

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Self-Service BI: Justification

- Quicker analysis of data (relevance & timeliness)

- Better understanding new data

- Business Discovery (Don't know what I don't know)

- More business and market insight

- Turning opportunities into revenue

- More proactive and less reactive

- Increased productivity

- Faster resolution of issues

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Self-Service BI: Time to Data

Challenge overcomed

Time to Data	Time to Information	Decision

Time to Decision

Implementing Self-Service BI to Improve Business Decision Making
http://intel.ly/15ldsBG

Self-Service BI: Justification

- Less reports

- I.T. free to other priorities

- Less friction between I.T. and Business

- Less tickets!

IT & Business

BI for everyone

Business Intelligence for everyone

Aligned ⟵――――――――――――――――――――――――――⟶ Empowered

Enterprise BI

The Org's Context

BI Solution created by IT, Established corporate context & is reusable, scalable and backed up.

Team BI

Our Context

BI Solution created by power user. Context is for a small team & it's managed on a server.

Personal BI

My Context

BI solution created by user. Context is only for user & exists as document.

SQL Server Data Tools / BIDS
Performance Point Services

PowerPivot for SharePoint
Power View Report Gallery

PowerPivot for Excel
Report Builder
Power View
Power Query

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Microsoft toolset

Self-service BI

Power Pivot

- PowerPivot Excel Add-in
- PowerPivot for SharePoint
- xVelocity (Vertipaq)
- BISM
- Excel 2013
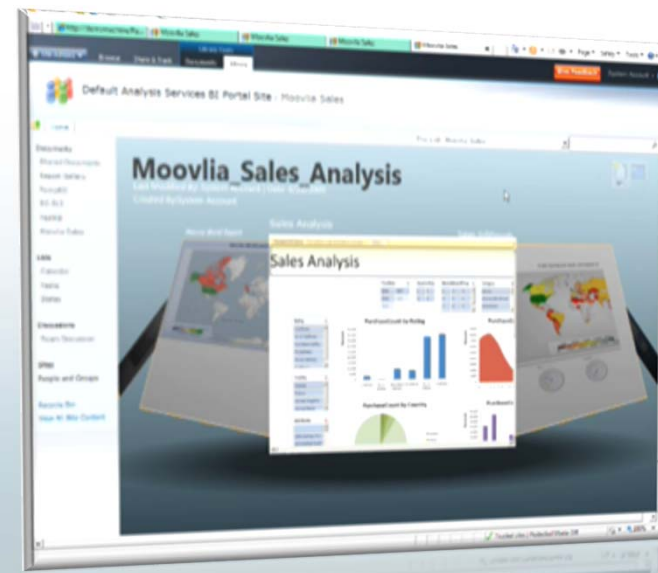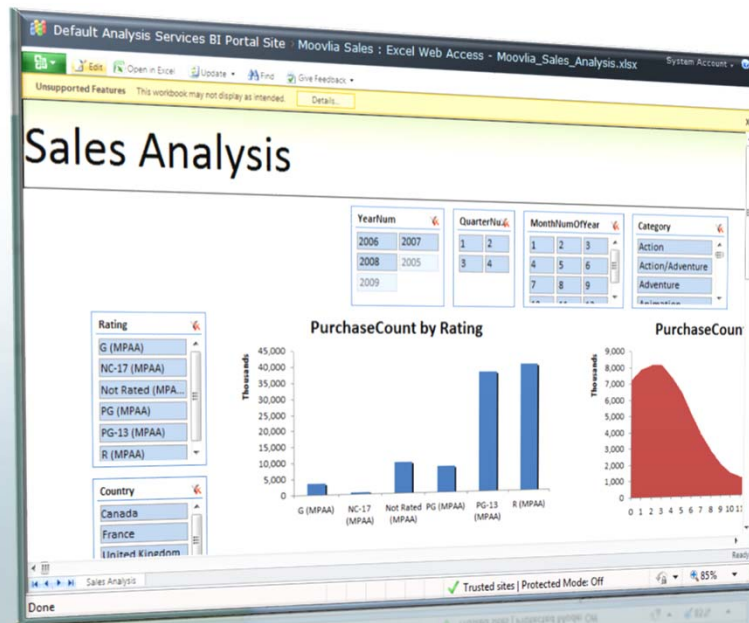
Power View

- Ad-hoc interactive reports
- True point & click
- Export to PowerPoint with interactivity
- SharePoint2010 SP1+ SQL Server 2012 SSRS integration
- Excel 2013

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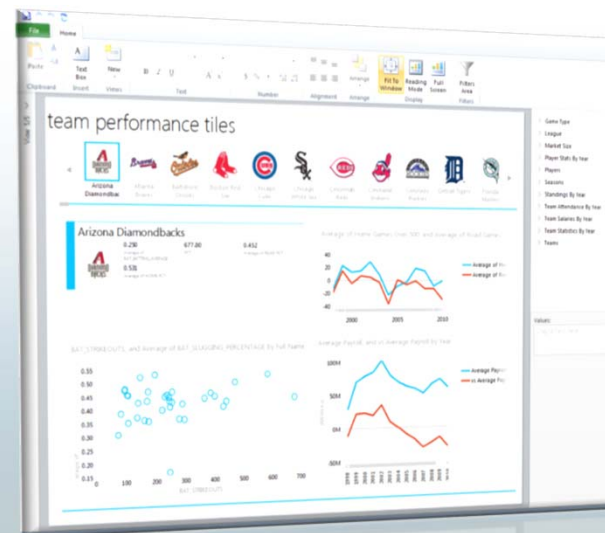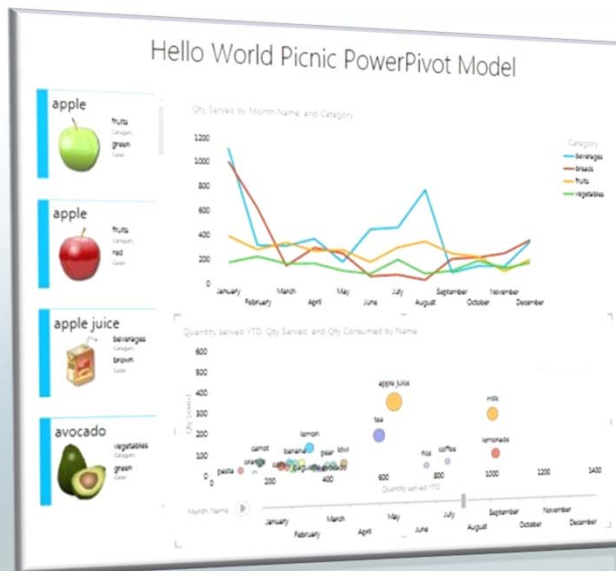
PowerMap

- Interactive 3D mapping
- Bing integration
- Excel 2013

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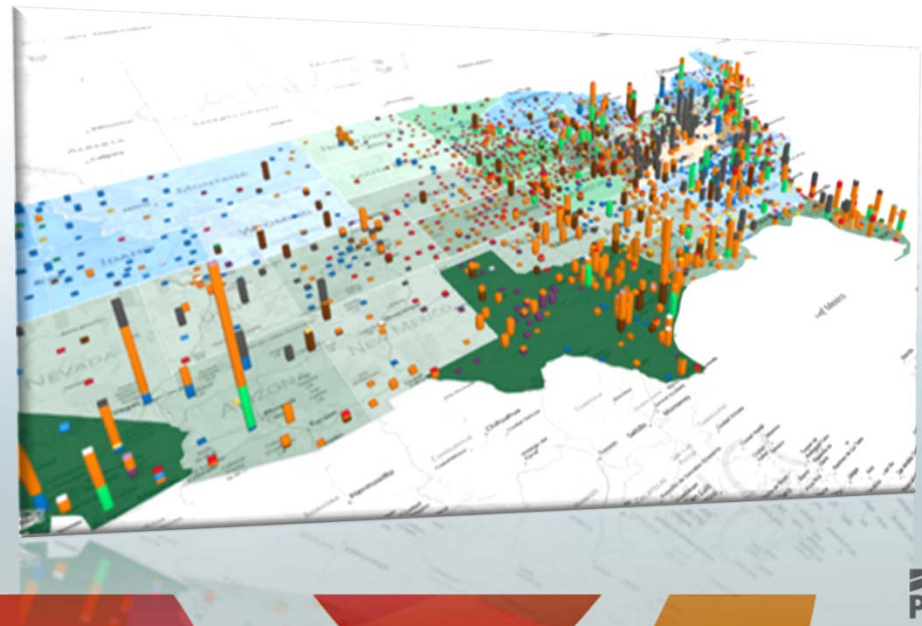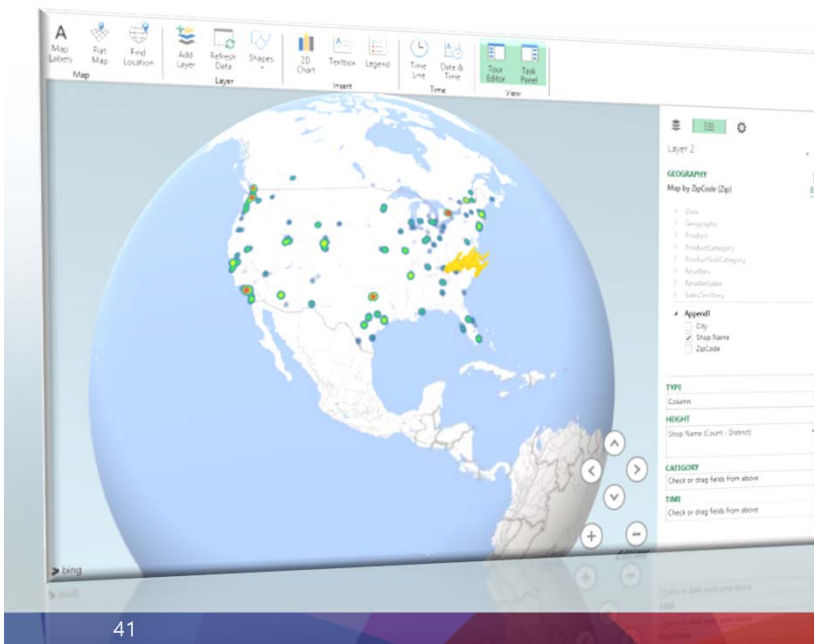
PowerQuery

- Discover and combine data
- Multiple sources including web
- ETL capability
- M script
- Excel 2013

Demo:

- Analyzing data from multiple sources with PowerPivot
- Gaining insights from Power View Reports
- Data discovery with PowerQuery
- Exploring geographical data with PowerMap

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Summary

Summary

- ## Traditional Enterprise BI

  - Longer time to data

  - Disconnect between I.T. and the Business

  - Expected vs. Delivered not always the same

- ## Self-service BI

  - Reduced time to data

  - More relevant and timely data

  - Business insights and discovery

- ## Microsoft Self-service BI tools

  - PowerPivot

  - Power View

  - Power Query

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Q&A

Session Evaluations

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for attending this session and the
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