

Angela Henry



What is Power BI?

Angela Henry

Angela is a DBA/BI Developer, living in High Point, NC and loves what she does. She's worked with all versions of SQL Server & worn all the hats that come with dealing with SQL Server throughout the years: developer, administrator, data architect and BI developer.

MSCE: Business Intelligence

Microsoft Data Platform MVP

She is also the local group leader for the PASS Triad SQL User Group in Greensboro, NC.

Tweets at @SQLSwimmer

Blogs at SQLSwimmer.wordpress.com

In her spare time you can probably find her in the pool, she's an avid US Masters Swimmer, Coach and Instructor.



Overview

The What/Who/Why/Flavors

What is Power BI

Why use Power BI

Who can use Power BI

Flavors of Power BI

How of Power BI

Dashboards

Reports

Datasets

Gateway

Integration with Reporting Services (SSRS)

Premium Details



What is Power BI?

Power BI is an amazing business analytics service that enables anyone to visualize and analyze data.

Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights on every device.

Flavors of Power BI

Power BI Free

Power BI Pro

Power BI Premium



Who Can User Power BI?

Subscription Based on Email Address

Allowed

School

Work

Not allowed

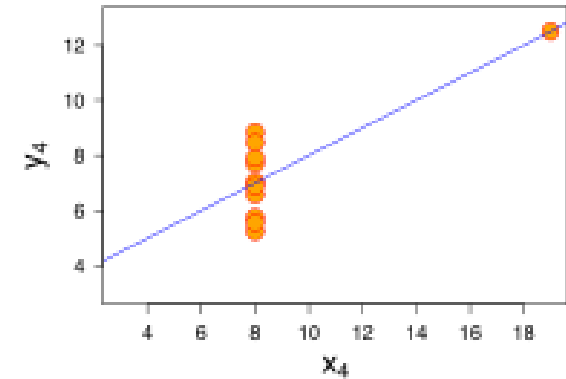
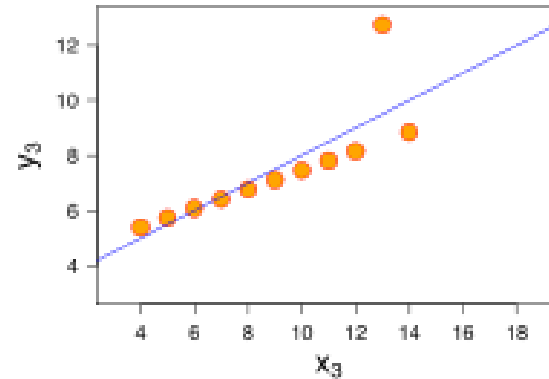
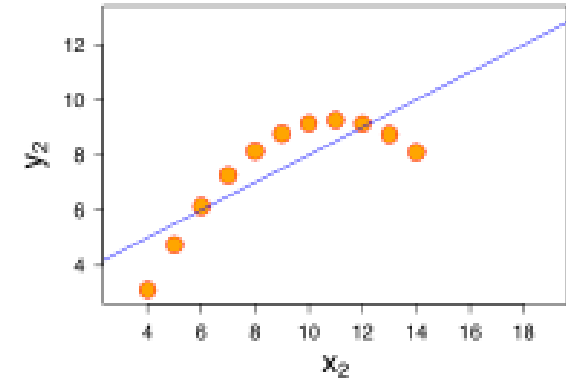
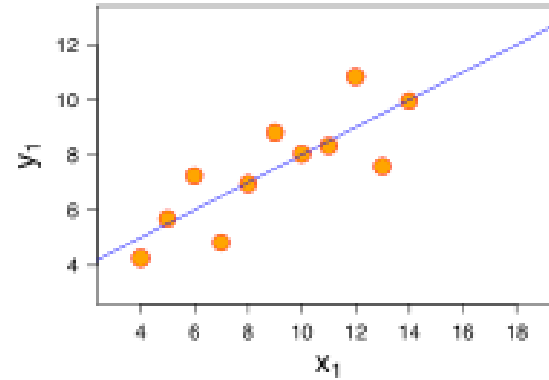
Personal

Government/military

Telecom/ISP



Why Power BI?



Visualize, Visualize, Visualize!!

You want something quick and EZ

You don't have a full time report writer at your company

To ensure all colleagues are on the same page, viewing and using the same information



Flavors of Power BI

Free

Limited Collaboration

Streaming Data 1M rows/Hour

Access is limited to just you*

Cost: Free

Pro

Collaboration with App Workspaces, Office 365 Groups

Streaming Data Unlimited

Manage access & sharing via AD

Cost: \$9.99 USD/month/user



Free vs Pro comparison

Here is a list of features supported by user type.

	Free	Pro
Connect to 70+ data sources	✓	✓
Publish to Web	✓	✓
Peer-to-peer sharing	✗	✓
Export to PowerPoint, Excel, CSV	✓	✓
Enterprise distribution		
Apps	✗	✓
Email subscriptions	✗	✓
Embed APIs and controls	✗	✓
Collaboration		
App workspaces	✗	✓
Analyze in Excel, analyze in Power BI Desktop	✗	✓

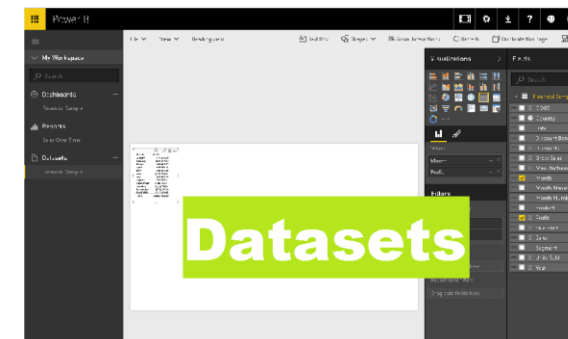
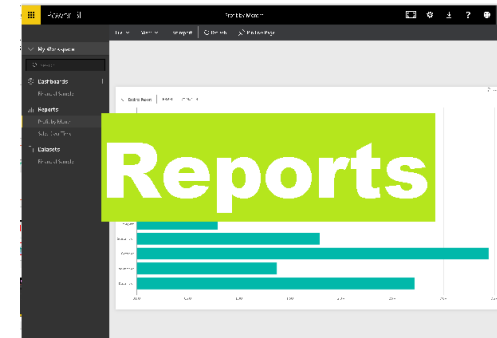
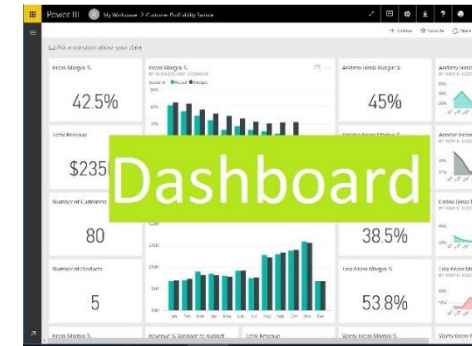


Building Blocks of Power BI

Dashboards

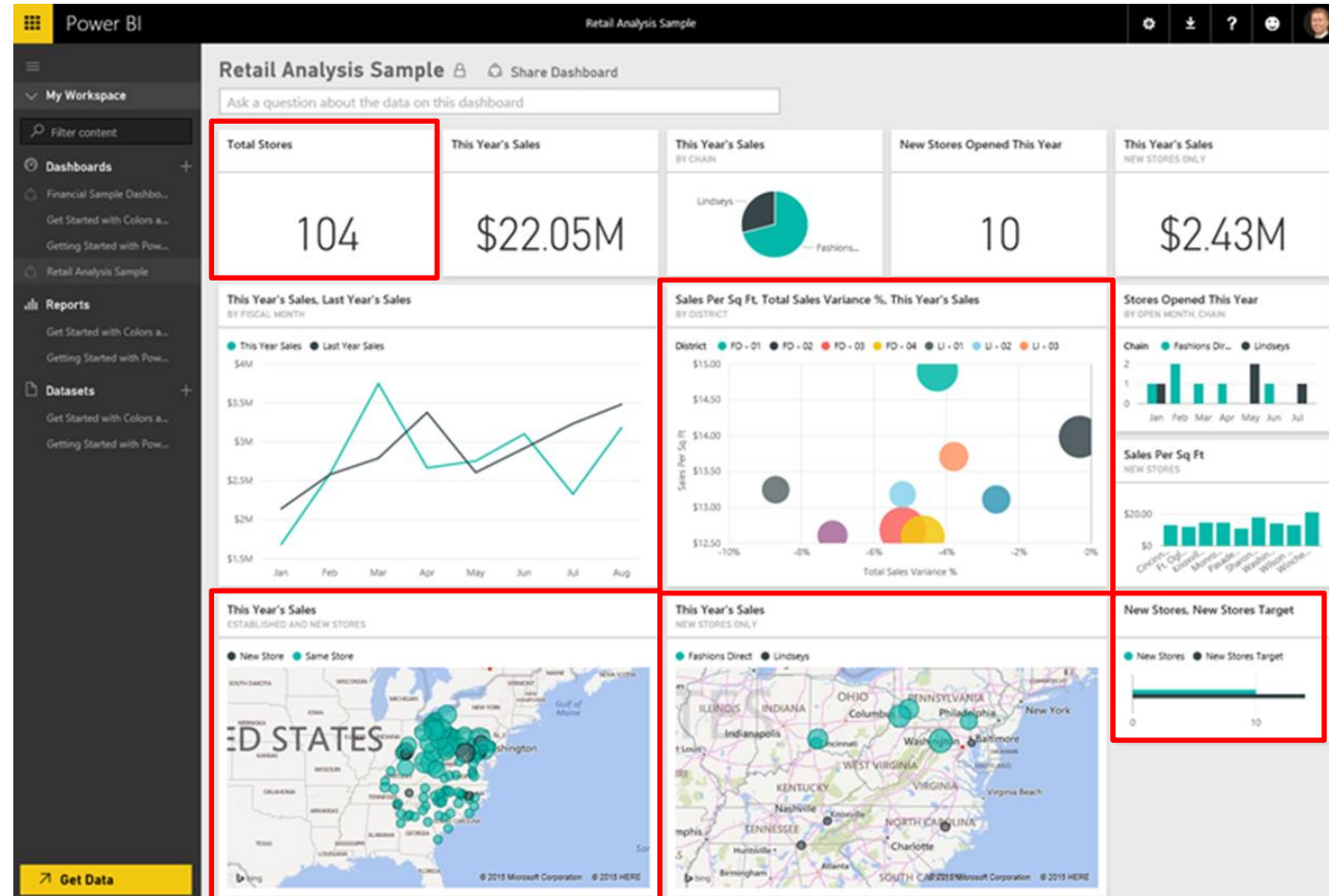
Reports

Datasets



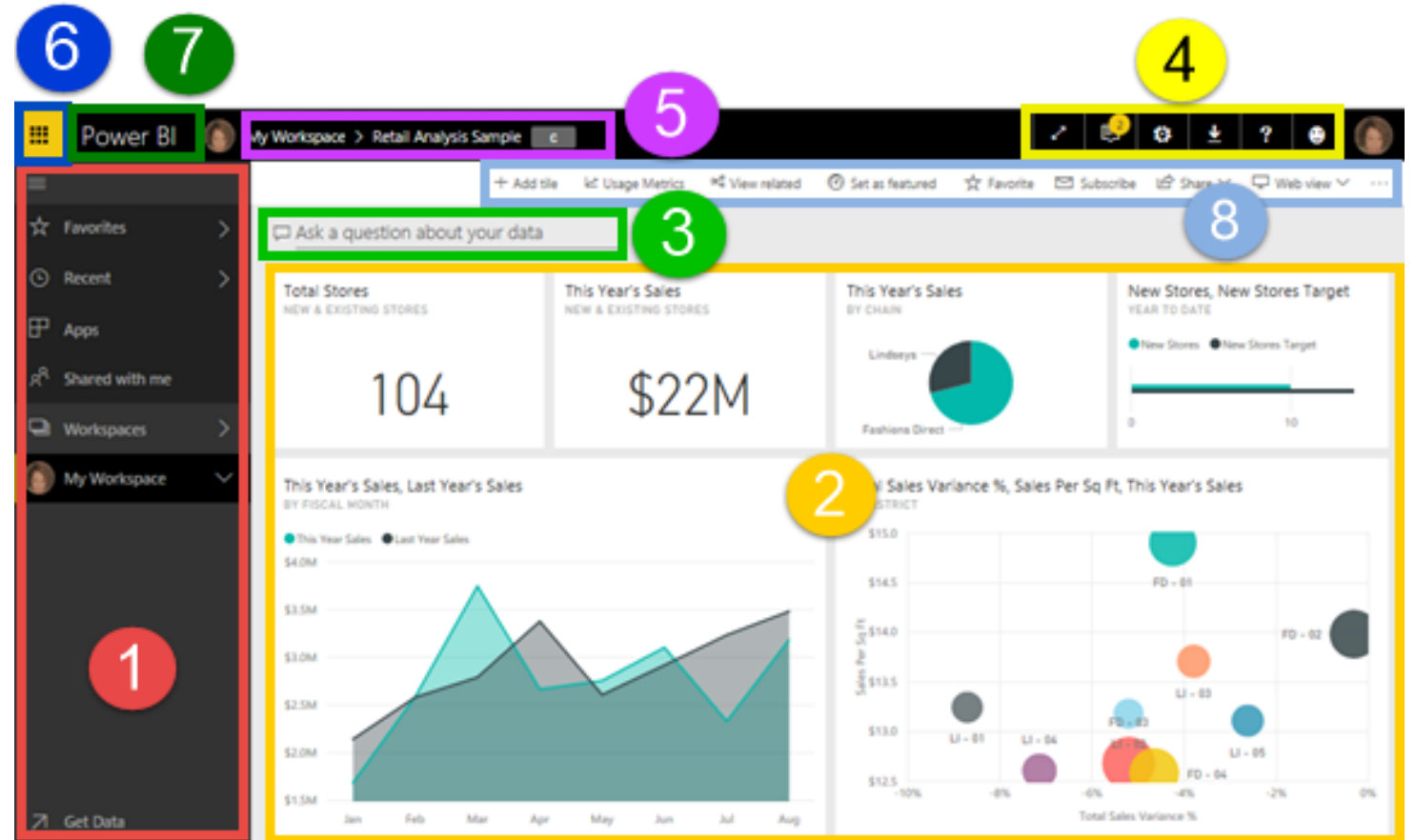
Dashboards

Tiles



Dashboard Parts

1. Navigation bar
2. Canvas
3. Q&A question box
4. Help/Feedback buttons
5. Dashboard Title
6. Office 365 Launcher
7. Power BI Home
8. Additional Dashboard Actions



*Graphic based on MS Power BI site





Demo

Reports

Create from scratch within Power BI Service

Create from scratch in Power BI Desktop

Import from shared dashboards

Created for you when you connect to datasets from Excel, Power BI Desktop, databases, and SaaS applications and content packs

Can be associated with more than one dashboard



Datasets

Import

Files

Local

OneDrive

SharePoint – Team Sites

Connect

Services

WebTrends

SalesForce

Google Analytics

Databases

Azure SQL Database

Azure SQL Data Warehouse

SQL Server Analysis Services
(Tabular & Multidimensional)

Apps





Demo

Special Tiles

Image

Text box

Video


Web content


Real-Time Data


Add tile


Select source

MEDIA


 WEB CONTENT

 IMAGE

 TEXT BOX

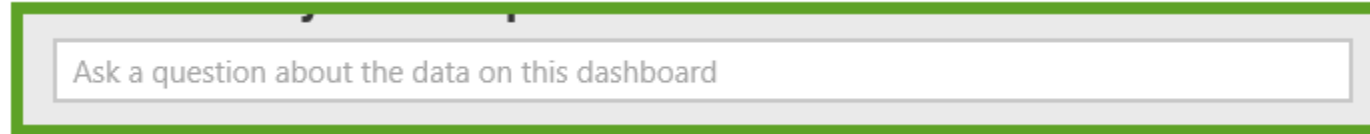
 VIDEO

REAL-TIME DATA

 CUSTOM STREAMING DATA



Q & A Question Box



Allows you to ask questions about your data in natural language

Comes with common synonyms and phrasings

- Aggregations (less than, maximum, number of, ...)

- Date keywords and ranges (last month, this year, before, after,...)

- Plurals (opportunity & opportunities)

- Display verbs (show, is, what is, are, what are)

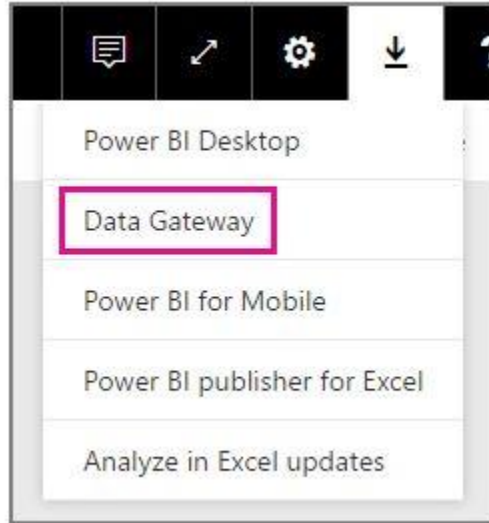
Create your own synonyms and phrasings



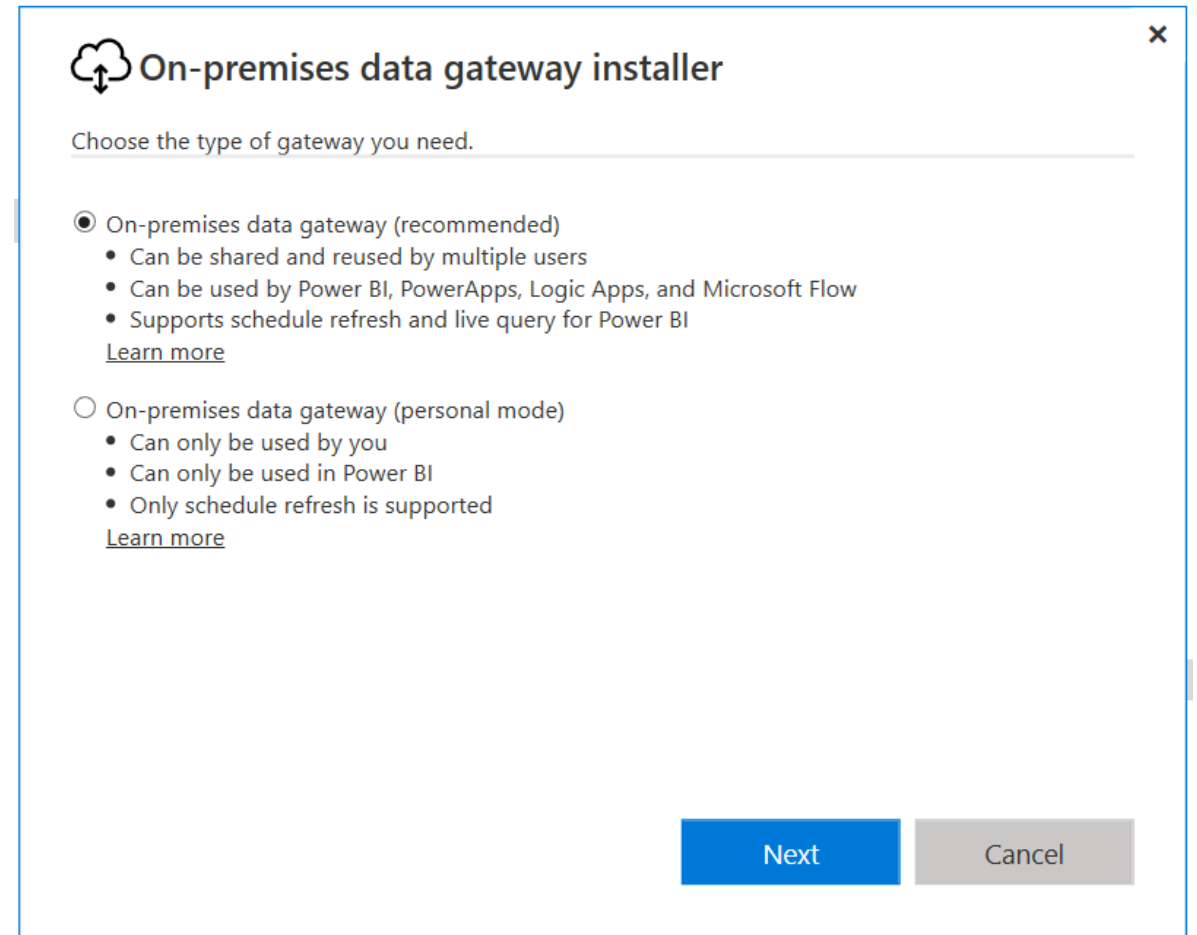


Demo

Gateway for On-Premises Data



On-Premises data gateway
(Enterprise)
Personal Mode



On-premises data gateway

One gateway for multiple cloud services and experiences

Cloud services



Gateway Cloud Service
Data source connection credentials are encrypted



Azure Service Bus



Application Gateway
Data source connection credentials can only be decrypted by the gateway

On-premises data sources



Power BI Premium

Dedicated Capacity in the Cloud

Scale up/out and down/in as needed

Power BI Report Server (On-Premises)

Report Creators Need Pro

Consumers/Viewers Do NOT Need a Pro license

Calculator to compute costs

<https://powerbi.microsoft.com/en-us/calculator/>



Resources

<https://powerbi.microsoft.com/en-us/>

<https://powerbi.microsoft.com/en-us/documentation/powerbi-service-get-started/>

<https://powerbi.microsoft.com/en-us/documentation/powerbi-videos/>

<https://powerbi.microsoft.com/en-us/documentation/powerbi-webinars/>

<https://technet.microsoft.com/library/mt282164.aspx>

http://www.sqlchick.com/s/PowerBIEndToEndFeatures_MelissaCoates.pdf

<https://powerbi.microsoft.com/en-us/documentation/powerbi-gateway-onprem/>



More Information

[Power BI Blog](#)

[Melissa Coates Blog](#)

[Reza Rad Blog](#)

[Chris Webb Blog](#)

[Adam Saxton Video Blog](#) (Guy in a Cube on Twitter)

[Power BI Cheat Sheet From Macaw](#)

[Power BI Tips](#)



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