

Power BI Amy Nicholson @AMyKateNicho Andrew Fryer @deepfat

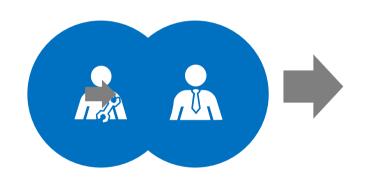
3rd Wave of Analytics: Everyone



1st Wave **Technical**

2nd Wave Self Service

3rd Wave **End User**



IT End User



Analystnd User



Everyone

3rd Wave of Analytics: Everyone



Technical



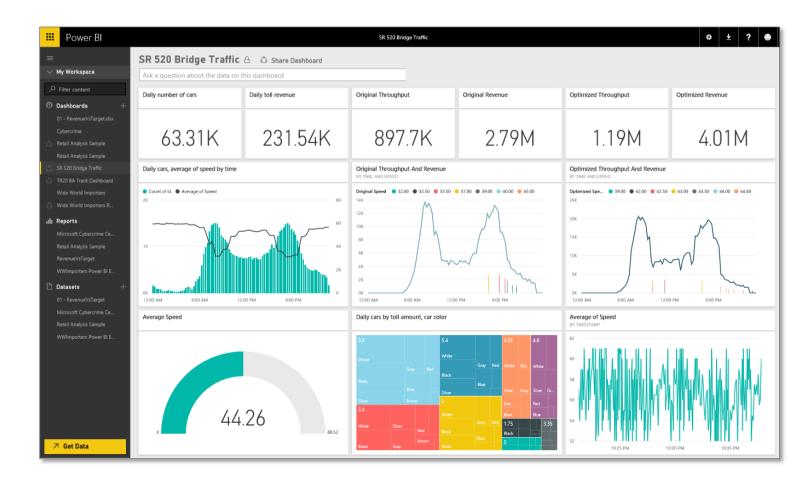
Self Service



End User



- Interactive
- Use on any device
- Live Updates



Key Challenges for BI Professionals







Securing and Managing Data

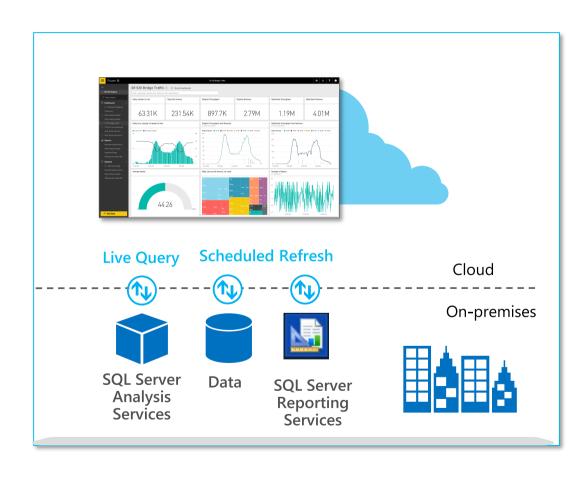
Choosing the Right Tools for the Right Users

Connecting to a Variety of Data Sources



Securing and managing data Bl on your terms – keep your data where it lives today

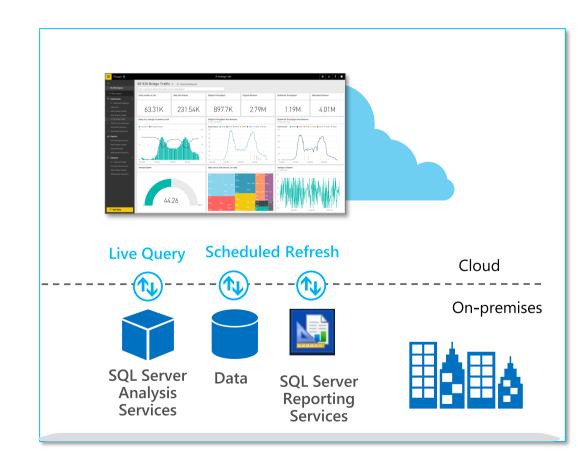
- Hybrid BI
 - on-premises data +
 - cloud data e.g. from social media and gov.uk
- Keep your data current:
 - Live Query to SQL Server Analysis Services
 - Scheduled refresh
 - Real-time dashboards using Azure Stream Analytics





Securing and managing data Demystifying data load

- "Import" = Cached
- "Live Query" and "Direct Query"
- "Real-Time" data





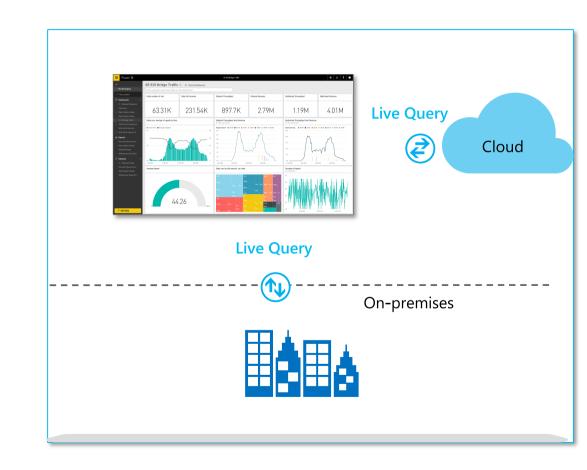
Securing and managing data Enabling Live Query (Direct Query)

Live sources built-in to Power Bl.com

- Azure SQL
- Azure SQL Data Warehouse
- Spark on HD Insight

Enterprise Gateway enables more Live Query sources

- Analysis Services Tabular
- Analysis Services Multidimensional
- SQL Server
- SAP HANA
- Oracle
- Teradata





Choosing the right tool Power BI cloud service for the business user

- A 360° view of your business
 - Monitor live real-time dashboards
 - Single view on historical, current and predictive
 - Collect and personalize insights
- Out-of-box content
- Interactive reports
- Native apps for iOS, Android, and Windows
 - Receive alerts on the go
- Share and collaborate







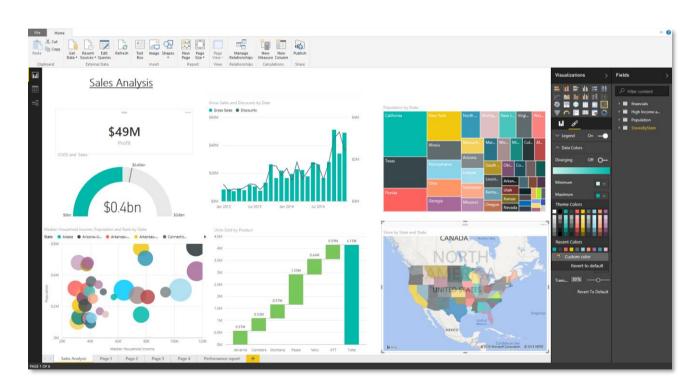






Choosing the right tool For the BI analyst – Power BI Desktop

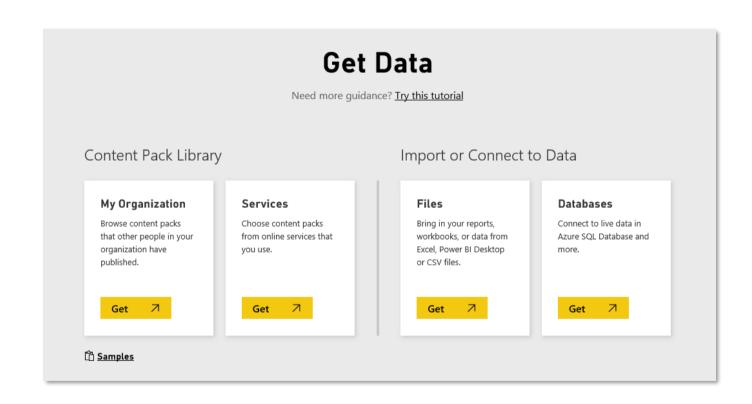
- Scalable personal ETL solution
- Data modeling
- Free
- Publish to the cloud to share





Connecting to a variety of data sources Built-in connectivity for all your apps

- Data from popular SaaS services
- Big data and more
 - Azure data services, e.g. HDI, ASA, AML etc.
- On-premise data sources
 - Analysis Services via Direct Query
 - Scheduled refresh via Gateway
- Data from files
 - Import data from Excel or Power BI Desktop
- Data from your organization
 - Content published by others in your org (organizational content packs)





Connecting to a variety of data sources Pre-built solutions for your SaaS apps

- Growing ecosystem of partner solutions
- Power BI provides "out of the box" value for popular SaaS solutions











































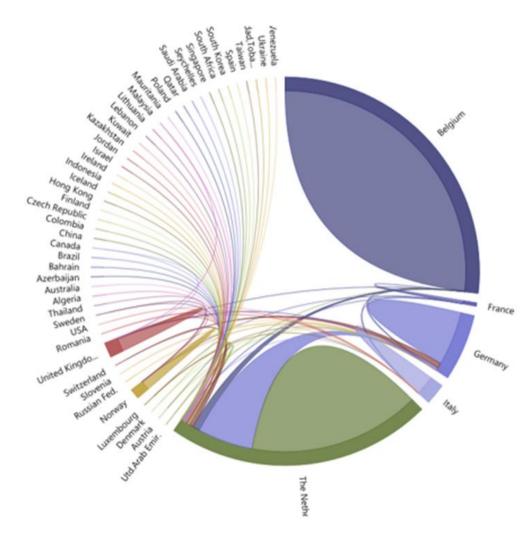




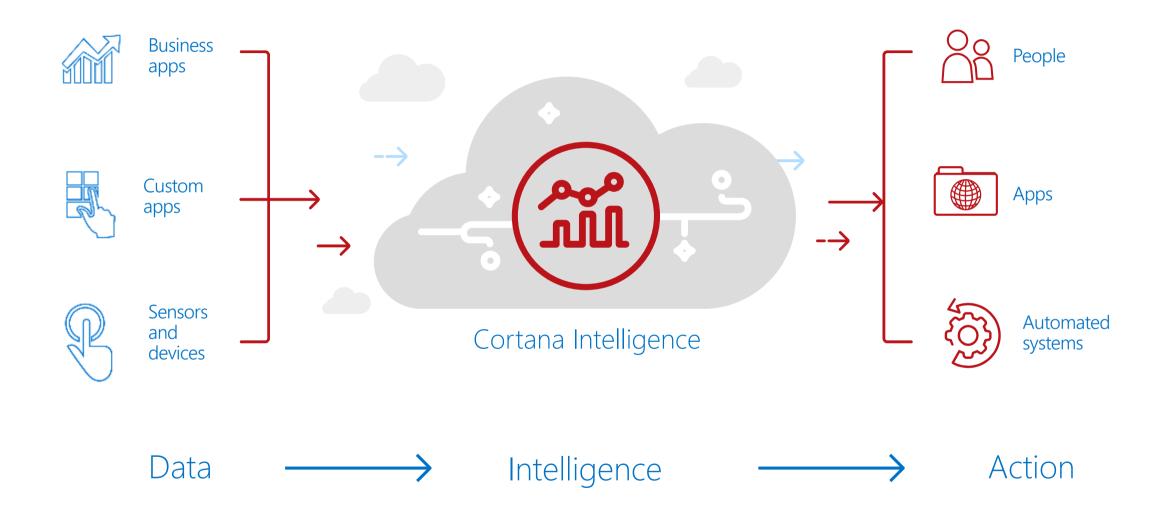


Open APIs for new scenarios Create real-time dashboards or custom visuals

- Custom visuals to show the data the way you want to
- Embed Power BI tiles and reports
- Integrate content into Power BI
- Real-time analytics Use the REST API or Azure Stream Analytics to push data into a Power BI dashboard
- https://visuals.powerbi.com
- https://dev.powerbi.com

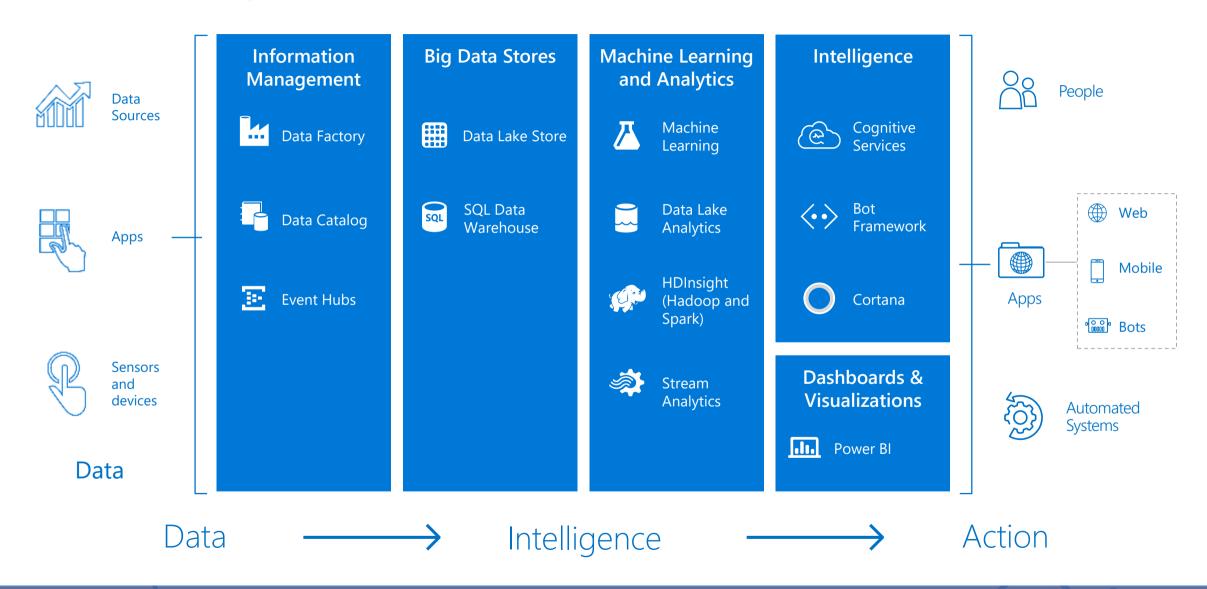


Intelligence as a Service

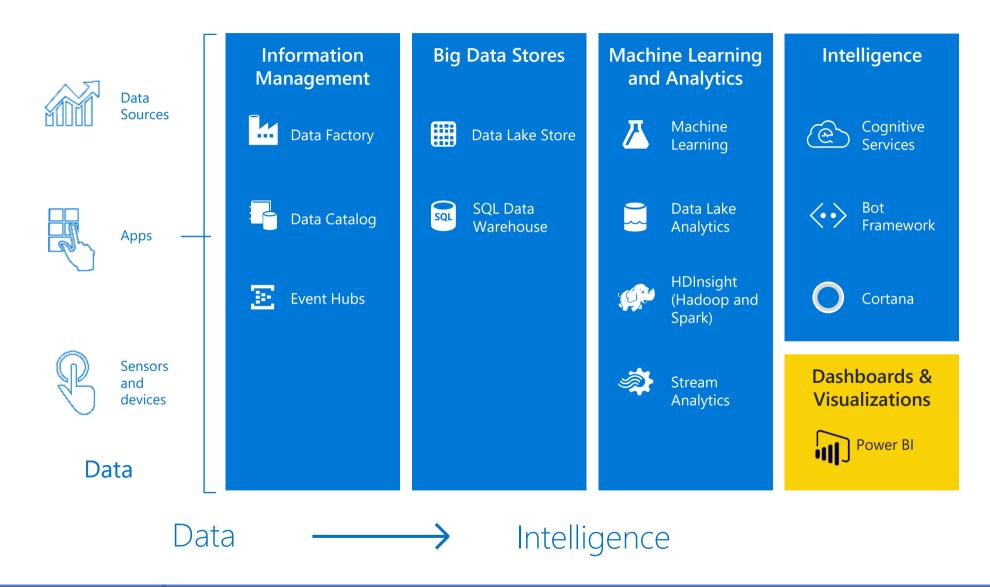




Cortana Intelligence Suite



Dashboards & Visualizations





Keep a pulse on your business with live, interactive dashboards



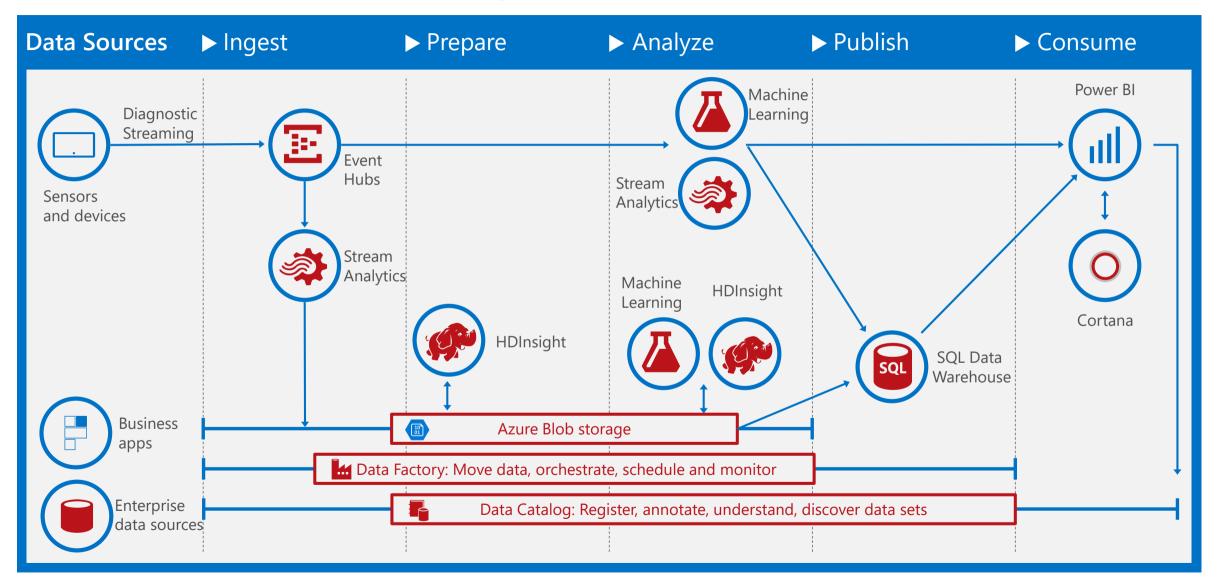
- Dashboards & Visualizations
- Power B

- Analytics for everyone, even non-data experts
- · Your whole business on one dashboard
- Create stunning, interactive reports

- Drive consistent analysis across your organization
- Embed visuals in your applications
- Get real-time alerts when things change



Example of Cortana Intelligence Suite in action



Search Visuals

Welcome to Power BI custom visuals

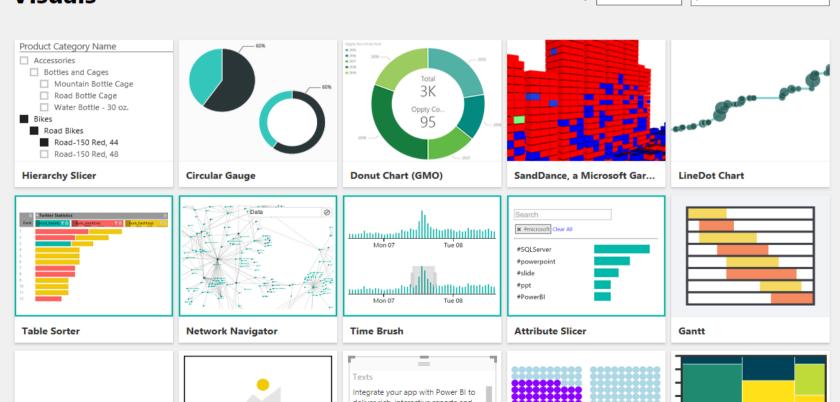
A gallery of visuals created by the Power BI community. Browse through the visuals or submit one of your own for others to use.

Learn how to use custom visuals



Most Recent ∨

Visuals



realtime dashboards to your users.

Welcome to Power BI custom visuals

A gallery of visuals created by the Power BI community. Browse through the visuals or submit one of your own for others to use.

Browse Gallery

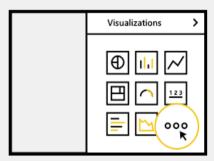


How to use a visual



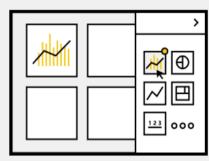
Download a visual

Browse our gallery for any number of community created visuals. Simply click on the visual, download, and read through the terms of use.



Upload to Power BI

In the report view, look for the upload icon in the visualization pane. Click the icon, follow the instructional popups, and upload your visual file.



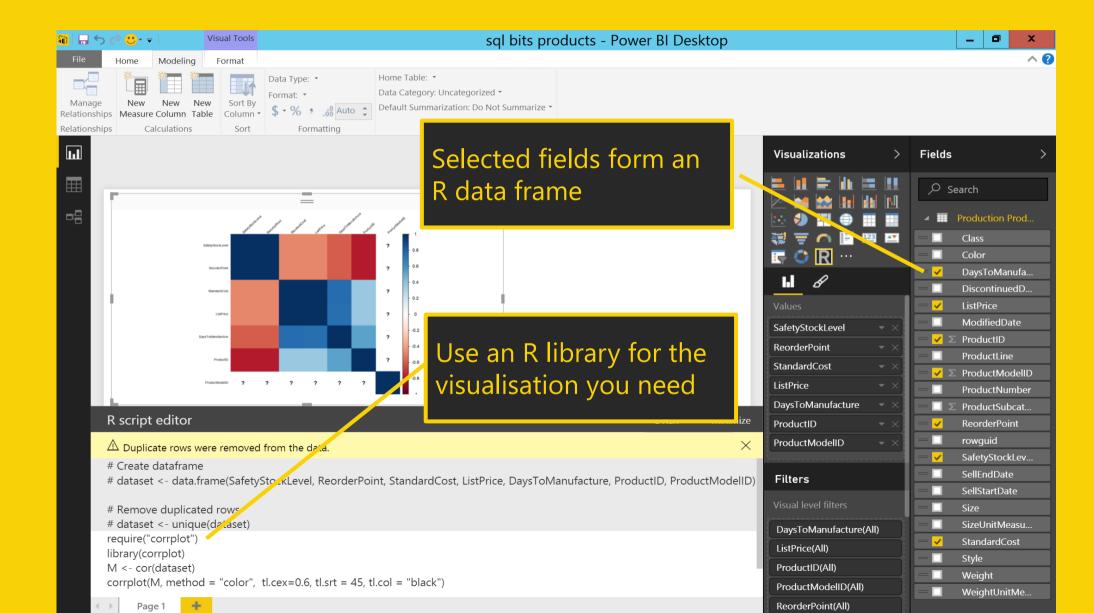
Access visual in panel

Upon importing, the visual will be made available in the visualization panel. This visual will work and operate identically to other Power BI visuals.

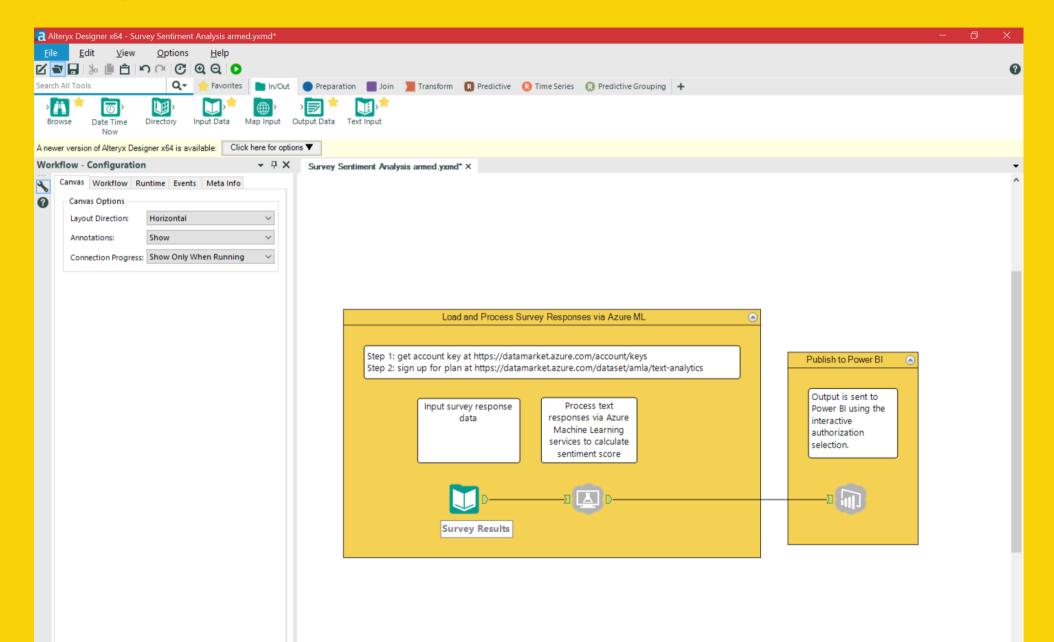
Browse the gallery

Learn more about using visuals

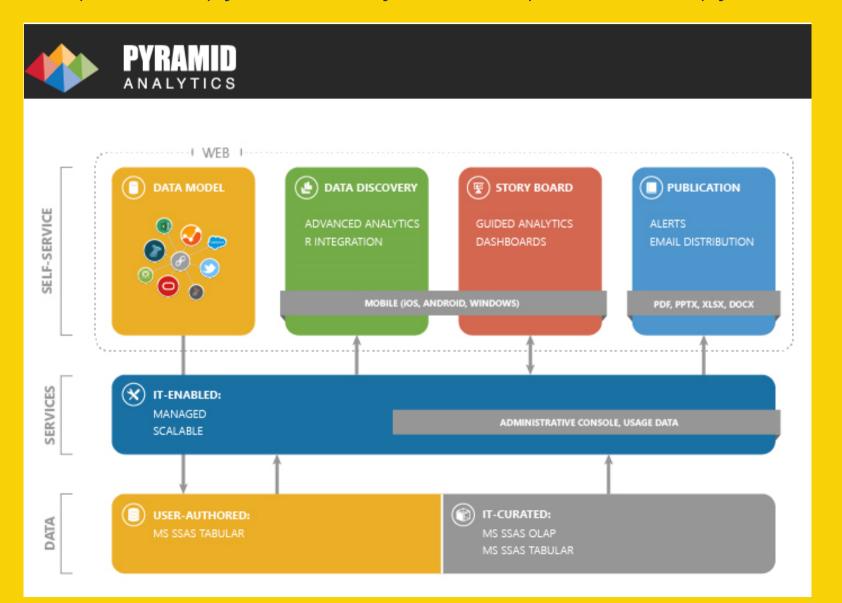
R visualisations in Power Bl



Alteryx & Power Bl

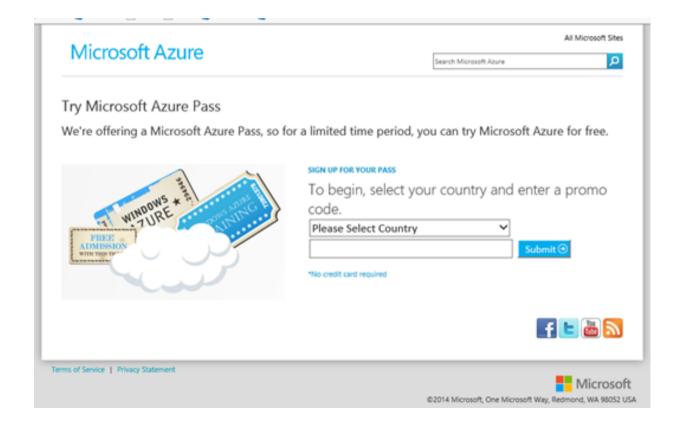


Pyramid & Power BI http://www.pyramidanalytics.com/powerbiandpyramid/

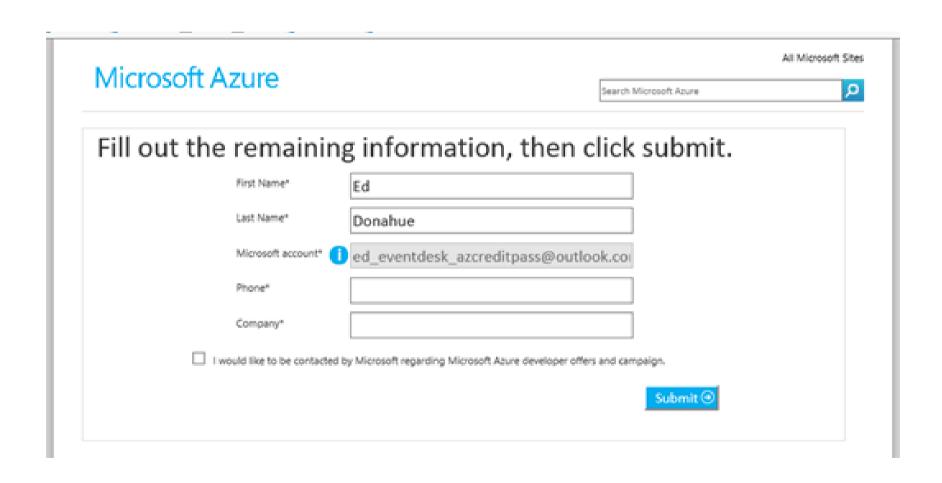


Redeeming your Azure Pass www.microsoftazurepass.com

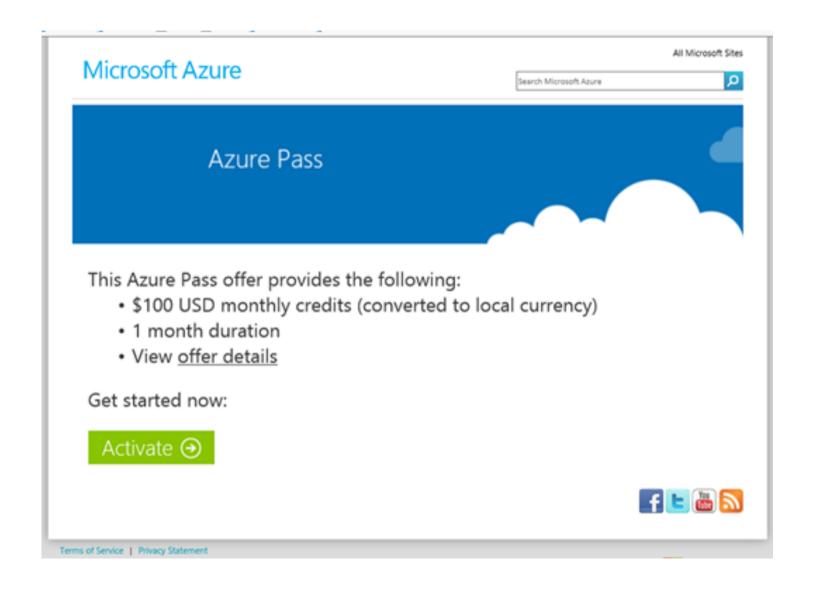
1. Select your country, type in the provided promo code and click "Submit."



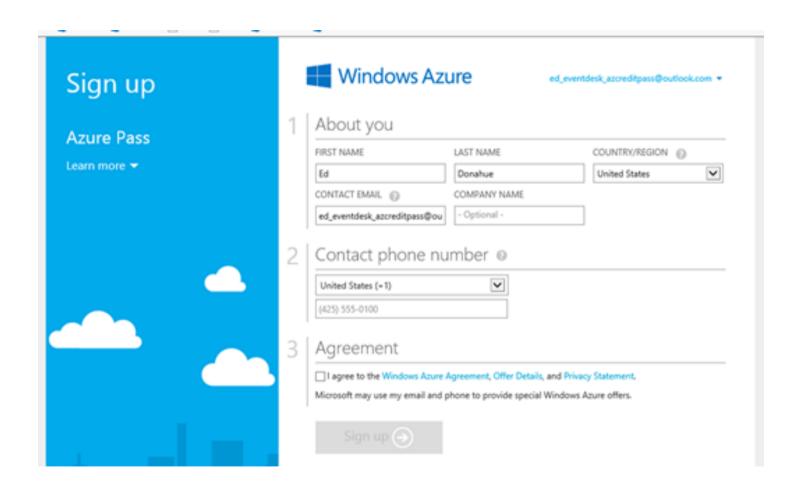
- 2. Sign into a Microsoft account to please use InCognoto/ InPrivate browsing.
- 3. Fill out the remaining information and click "Submit."



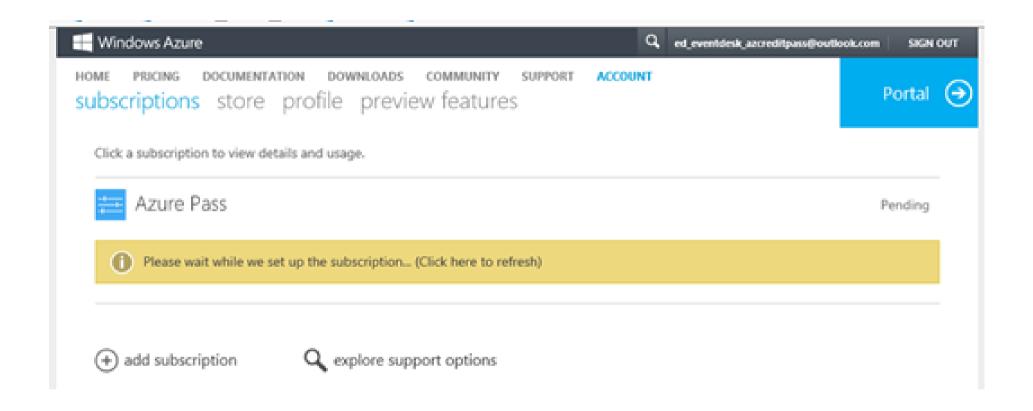
4. Review the Azure Pass offer and click "Activate."



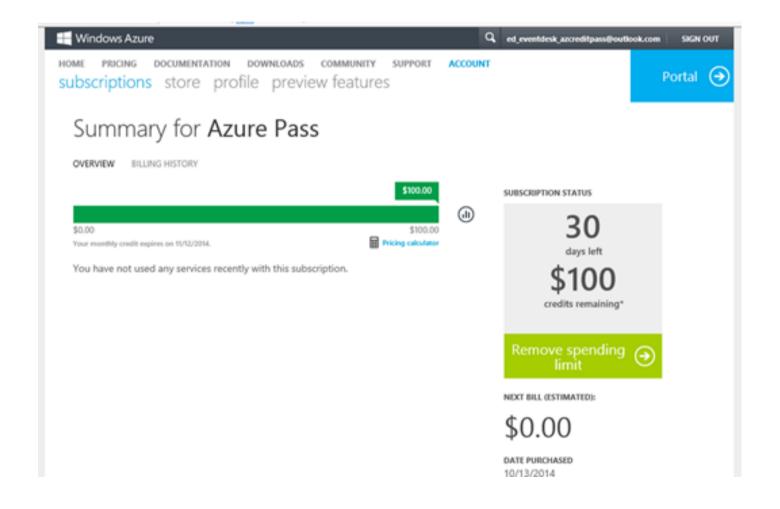
5. Fill out the rest of the required information and click "Sign up."



6. The subscription will take 3-10 minutes to activate.



7. Once activated, you will be redirected to the summary page



Power BI Resources

Custom Visuals in Power BI
https://app.powerbi.com/visuals/info#use

On Line Learning

https://powerbi.microsoft.com/en-us/documentation/powerbi-sample-datasets/

https://www.edx.org/course/analyzing-visualizing-data-power-bi-microsoft-dat207x-1

London Power BI User Group

http://www.meetup.com/London-PUG/

Chris Webb on Power BI

https://blog.crossjoin.co.uk/

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