Gaining Insights With Power BI

Daniel Glenn
InfoWorks, Inc.

M365 Saturday Ottawa

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Feedback form

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Agenda

- Introduction to Power BI
- What are Dashboards & Reports?
- Administration
- Viewing & Sharing
- Working With Your Data
- DAX

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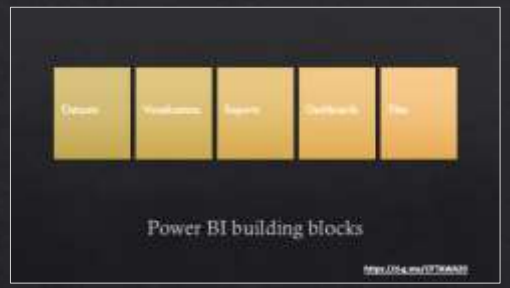

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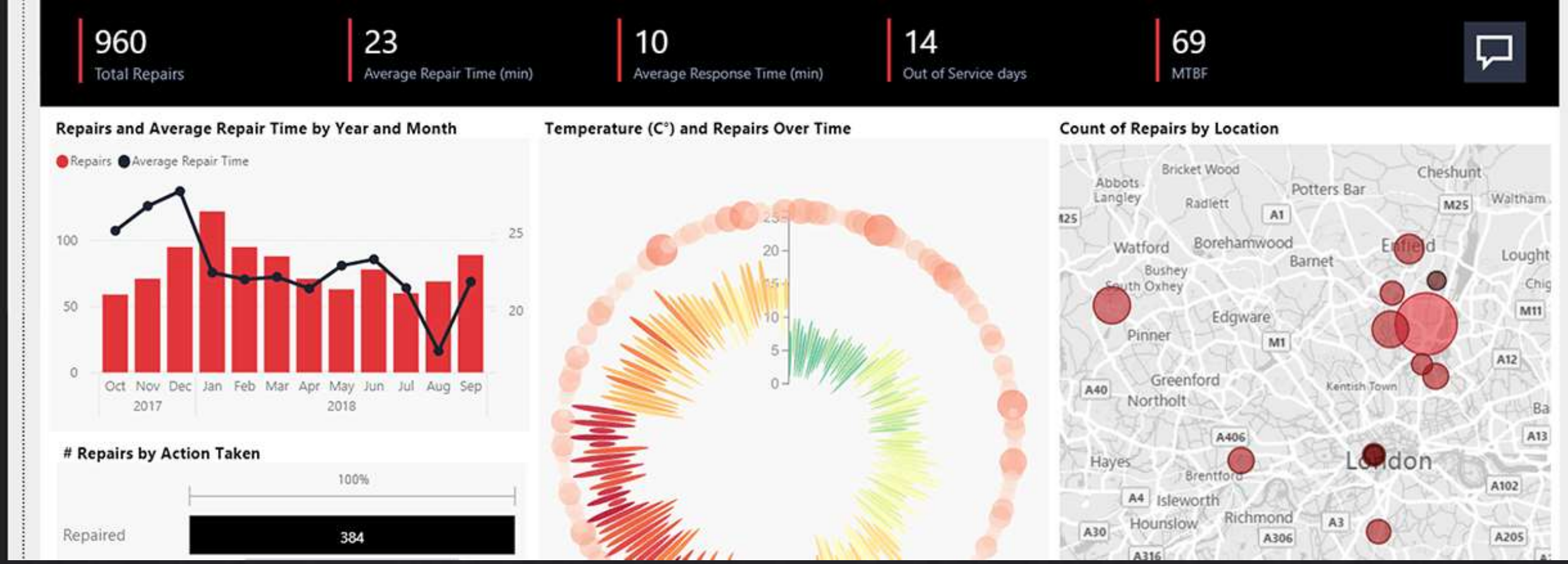

What is Power BI?

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Microsoft Power BI

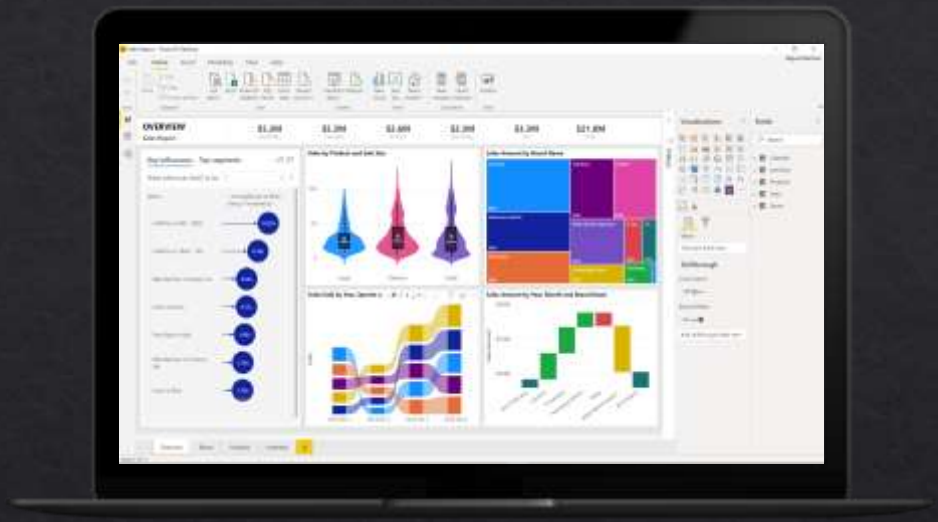
Get Data

Analyze

Visualize

Publish

Collaborate



Power BI enables everyone at every level of your organization make **confident decisions** using up-to-the-minute analytics.

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Gain insights from your data regardless of where it lives with Power BI

Connect to all your data and get a consolidated view across your business through a single pane of glass

Create ad-hoc analysis, live dashboards and interactive reports that are easy to consume on the web and across mobile devices

Build smart apps by infusing insights from your data and drive action with the power of the Power Platform

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Microsoft Power Platform

The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications

Power BI
Business analytics

Power Apps
Application development

Power Automate
Process automation

Power Virtual Agents
Intelligent virtual agents

Data connectors

AI Builder

Common Data Service

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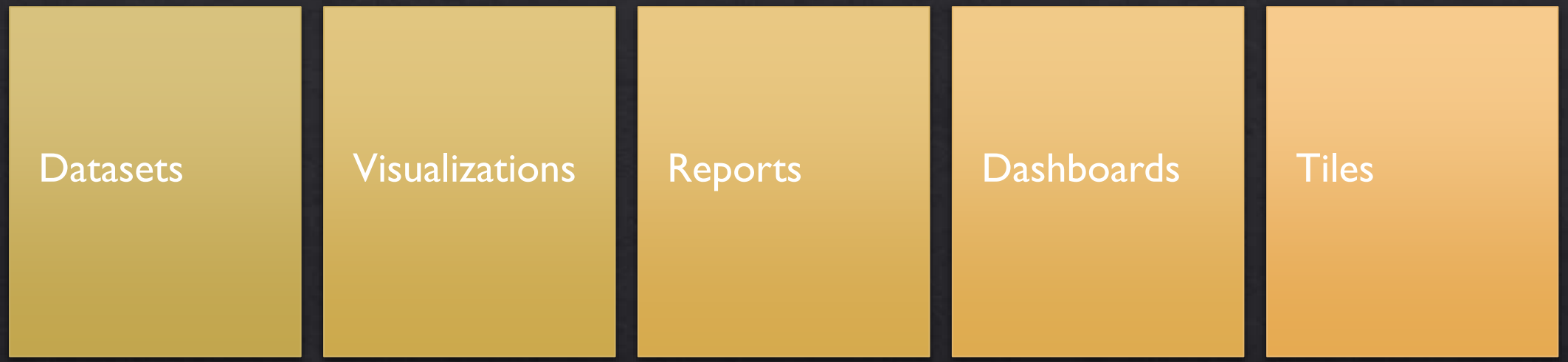

Power BI building blocks

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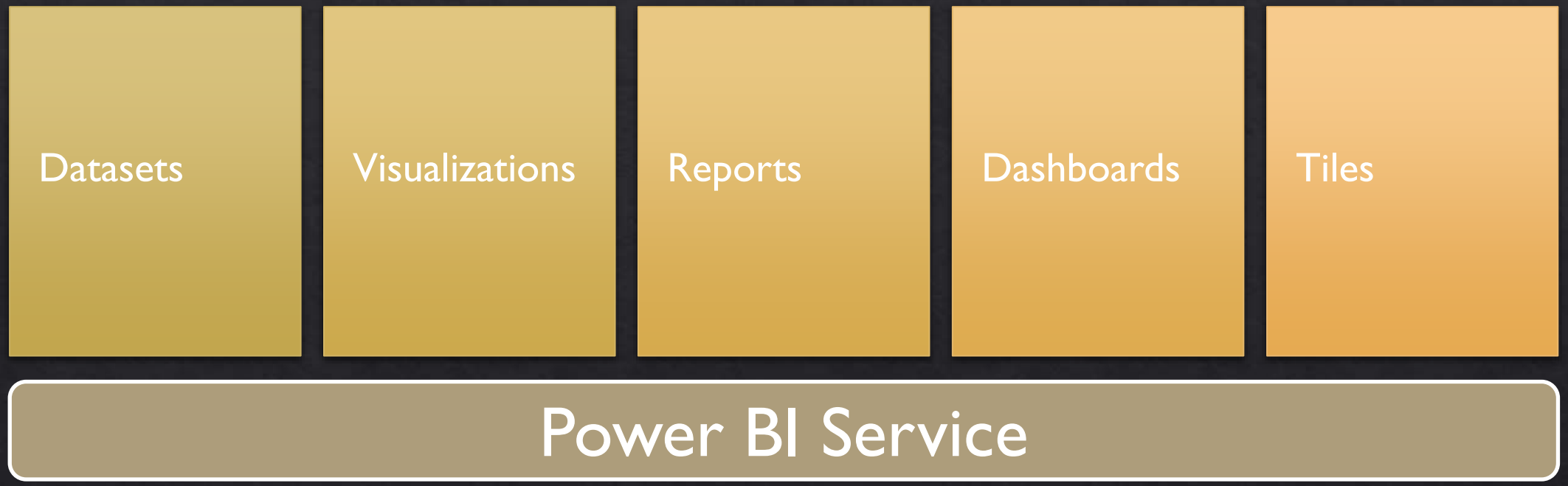

Power BI building blocks

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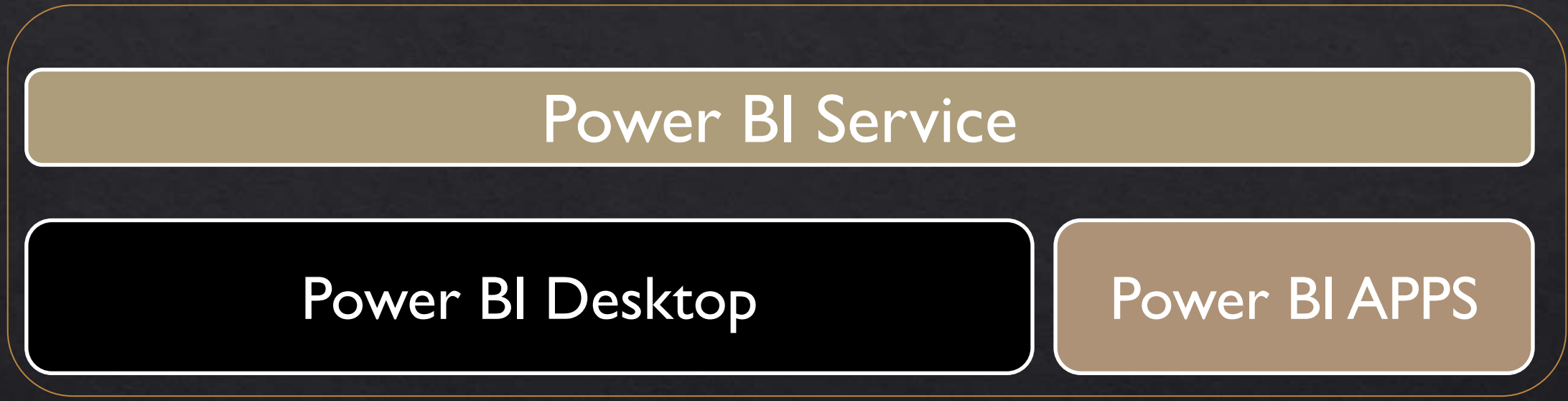

Power BI building blocks

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Dashboards and Reports

Why use a dashboard?

Transform business data into insights

Keep the organization focused

Tell your data story and be an influence

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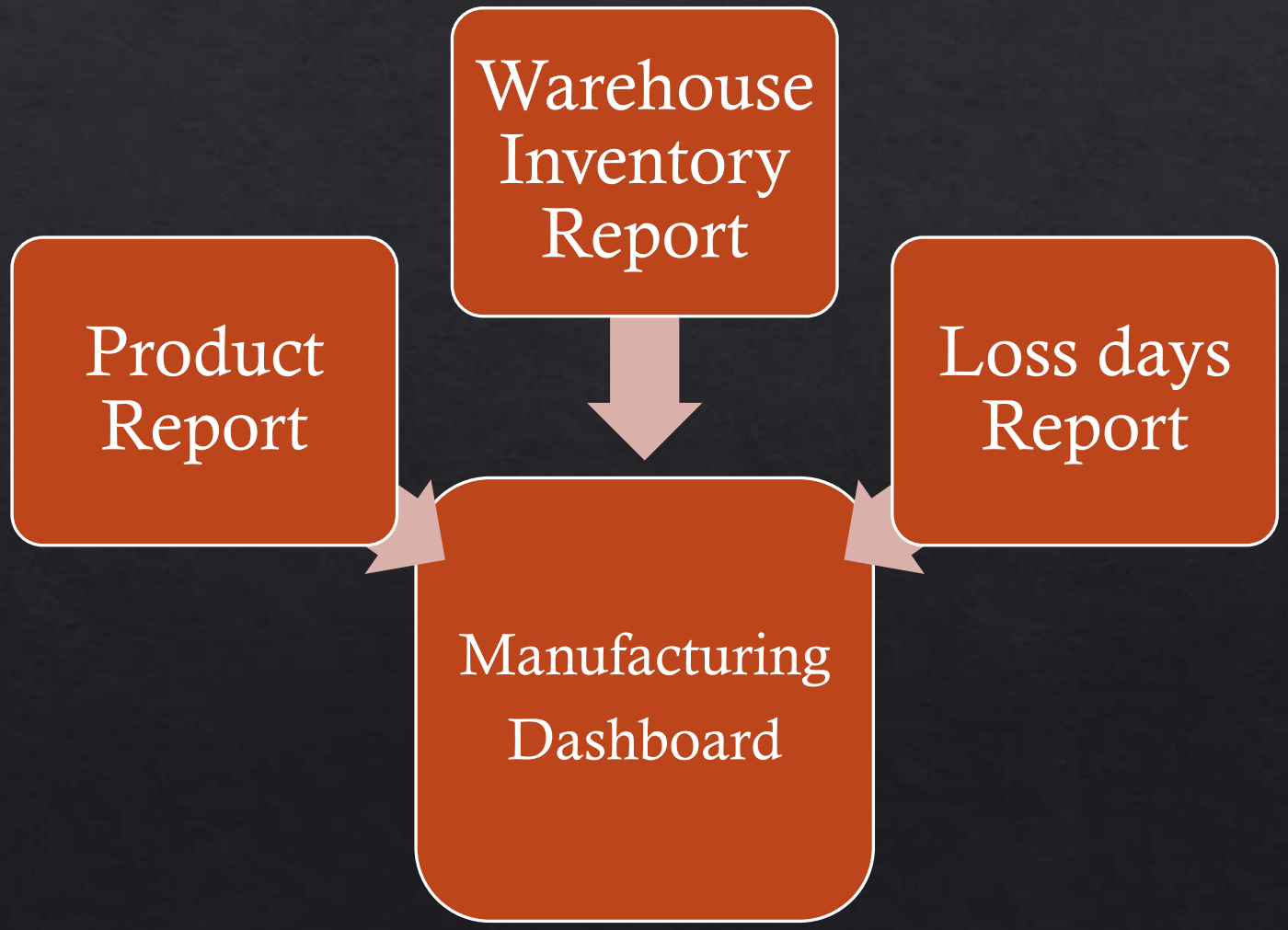
Make it compelling

- Business-driven & updated often
- Use Key Performance Indicators
- Actionable



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Make it compelling

- Business-driven & updated often
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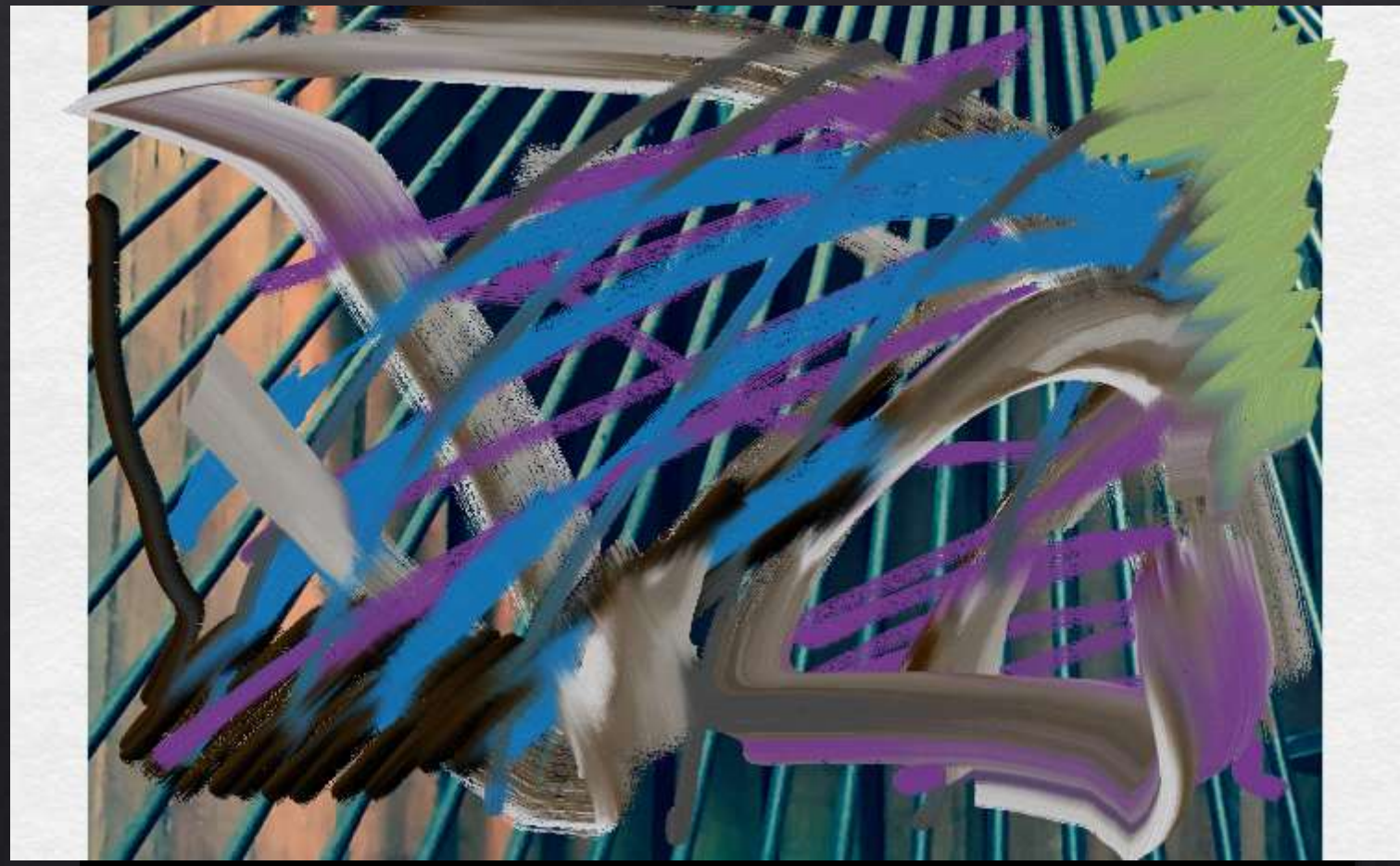
Make it compelling

- Tell and show with labels, descriptions
- No thinking required for quick analysis
- Less is more
- Minimize distractions
  - Continuity
  - Symmetry
  - Proximity
  - Similarity



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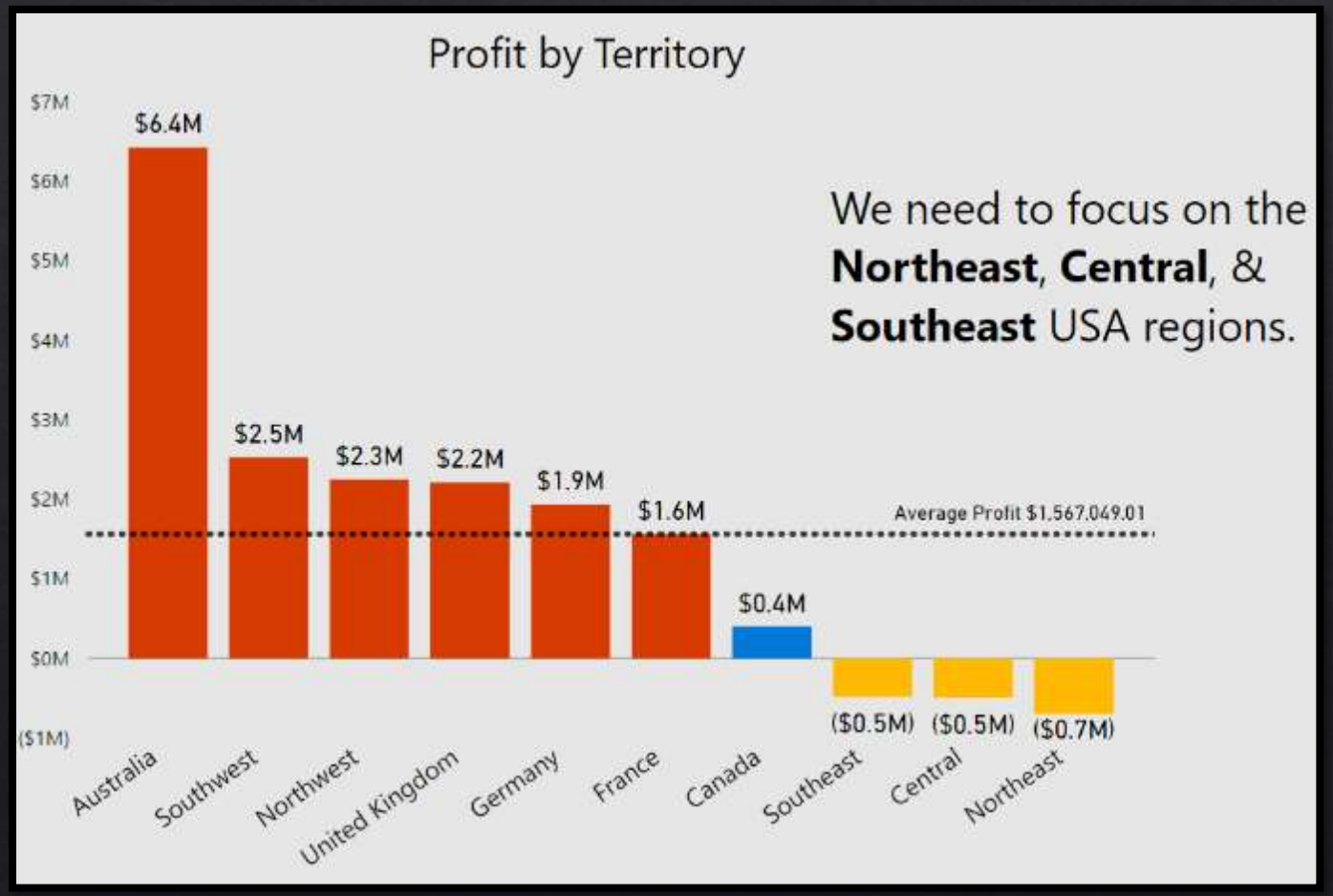

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Dashboards - Main Takeaways

Tell a story

- Limit the number of points you are trying to make
- 3-5 charts on a page
- Present with text (connect points with commentary)
- Where should I start looking, what's next, where to end

Call to action

- Make it clear what decision should be made

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Administration

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Administration

POWER BI ADMIN PORTAL

DESKTOP ROLLOUT AND UPDATES

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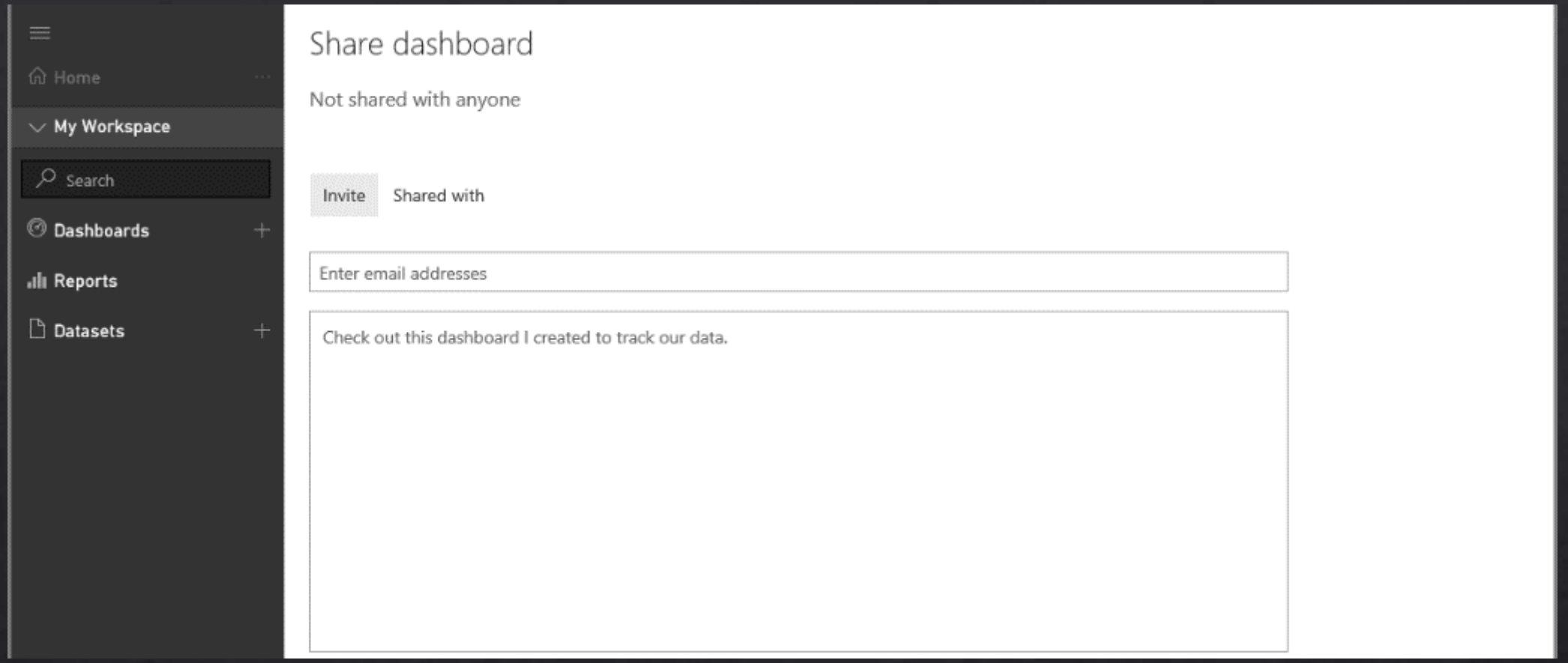

Viewing and Sharing

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Sharing

SHARE DASHBOARDS & REPORTS

CONTENT PACKS

APPS

APP WORKSPACES

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Sharing on the Web

- Embedding reports
- Anonymous sharing
- SharePoint pages
- Private embedding

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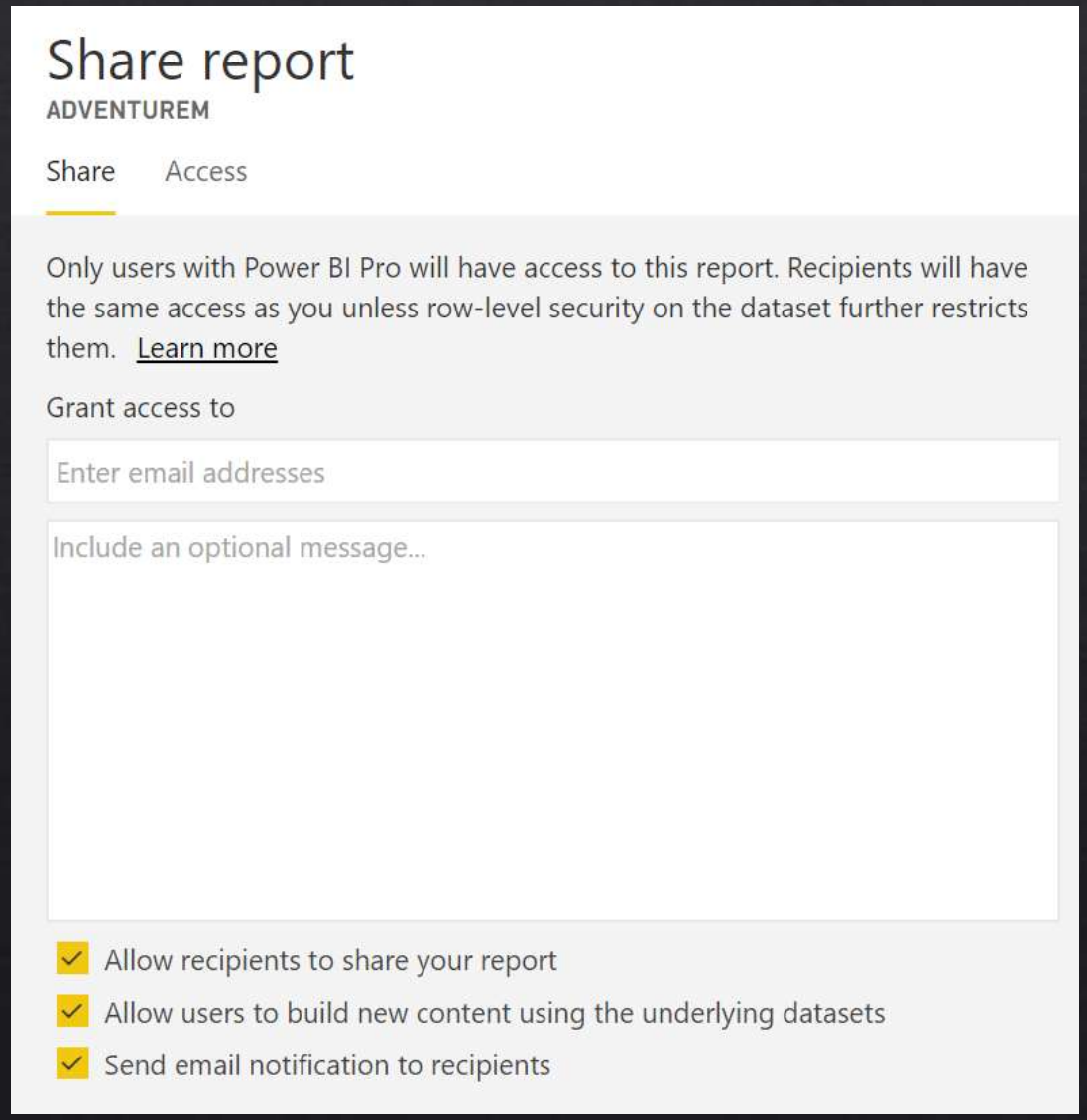
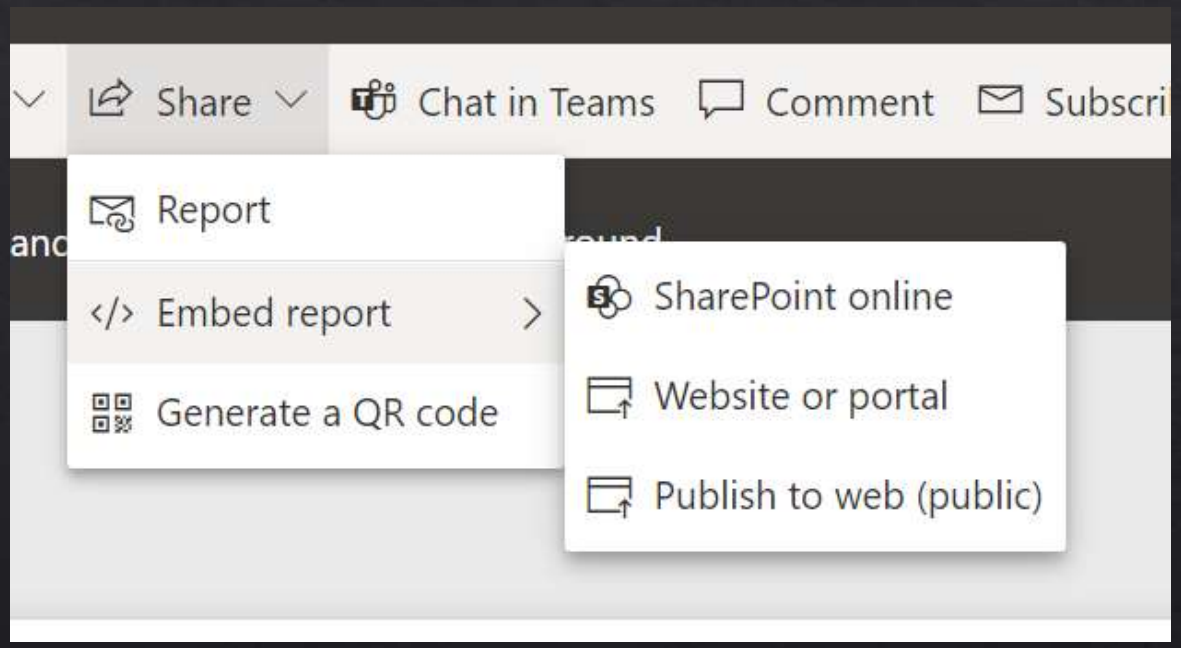
Sharing on the Web





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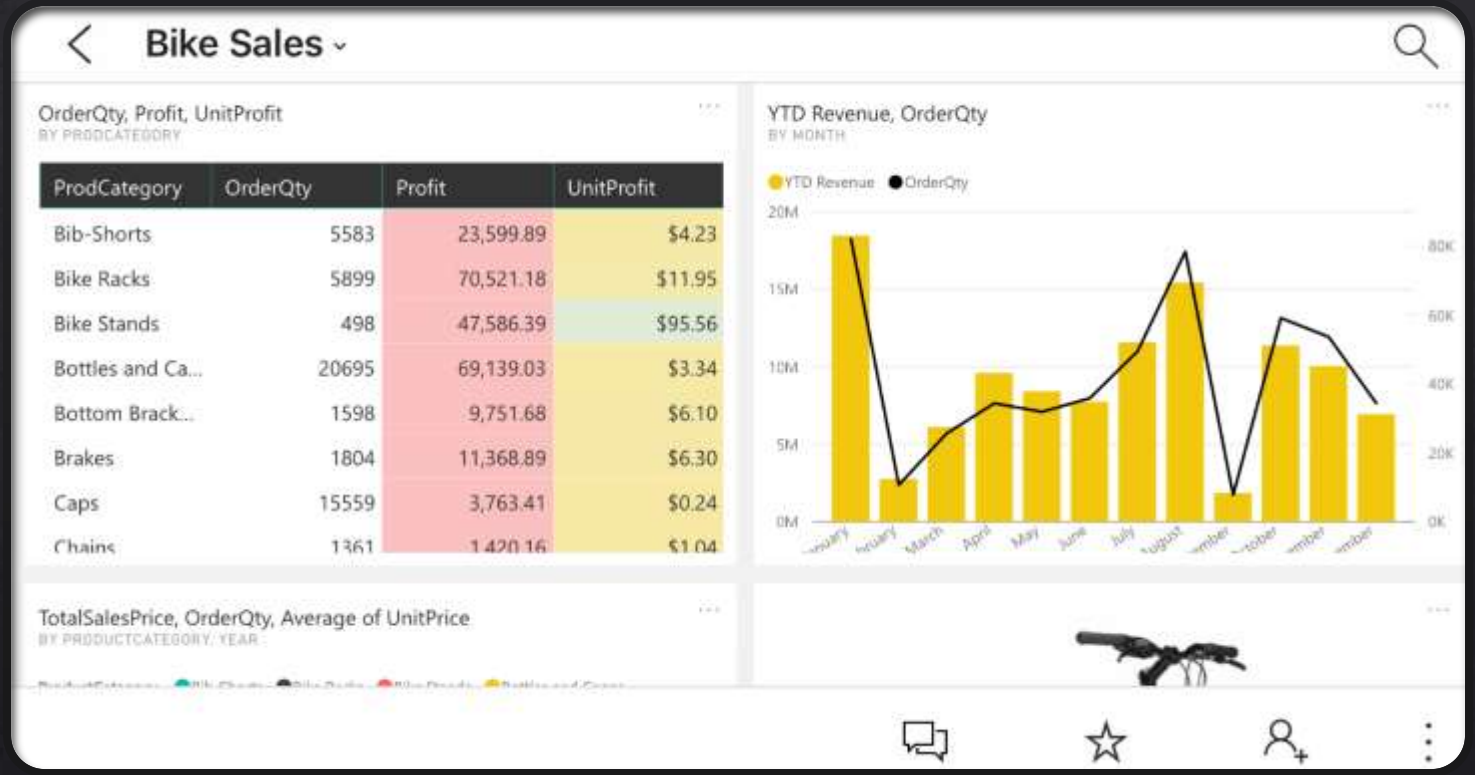
Mobile viewing

Power BI mobile apps

- iOS
- Android



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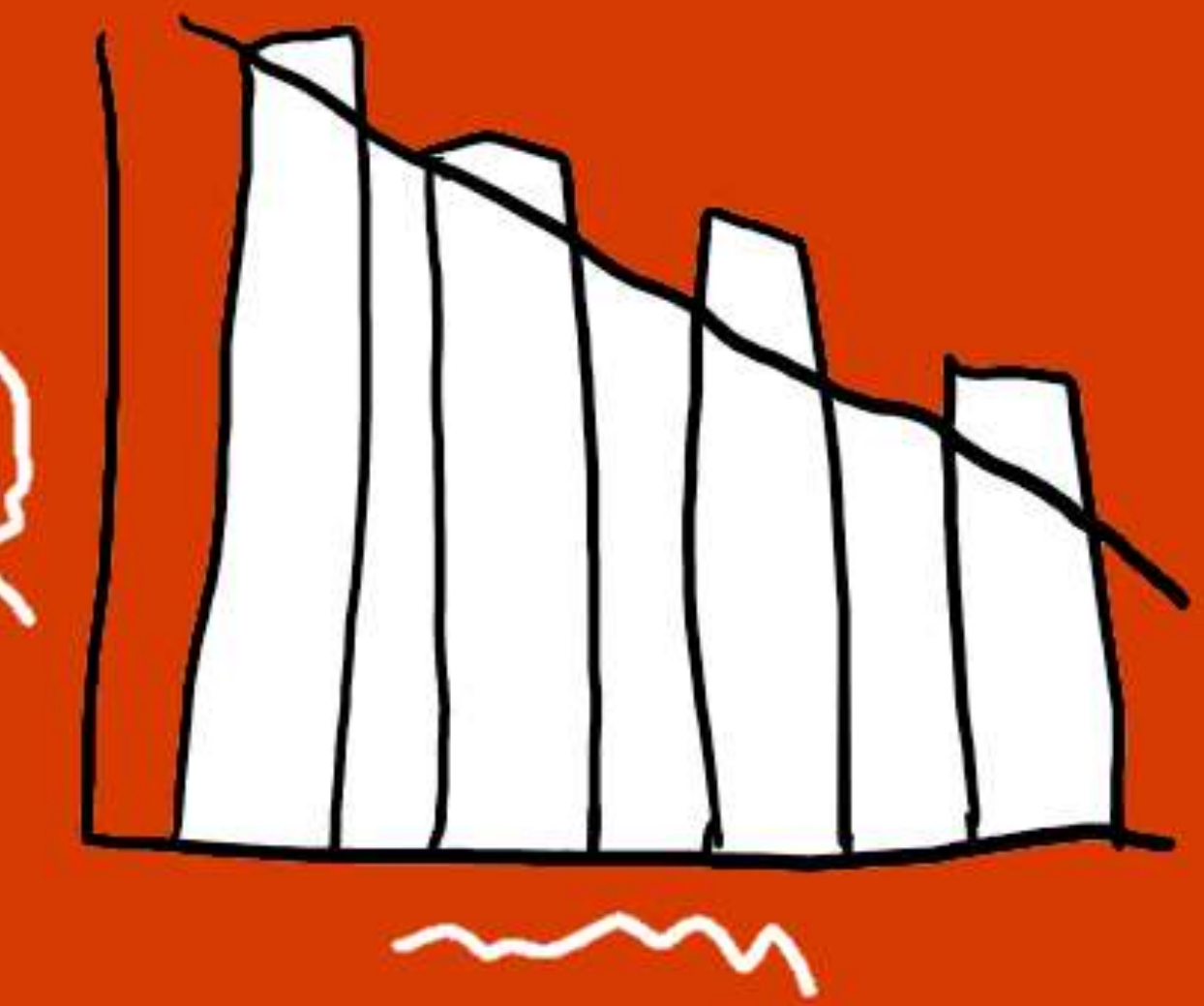

Working with Data

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Your Data

STUDY AND KNOW YOUR DATA

DATA SOURCES GALORE

*If using on-premises data, a data gateway is needed to be installed on your network before you can share your reports, etc.

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Exploring data import options

- Excel
- SQL Server
- Text
- Web
- Odata feeds
- and more!

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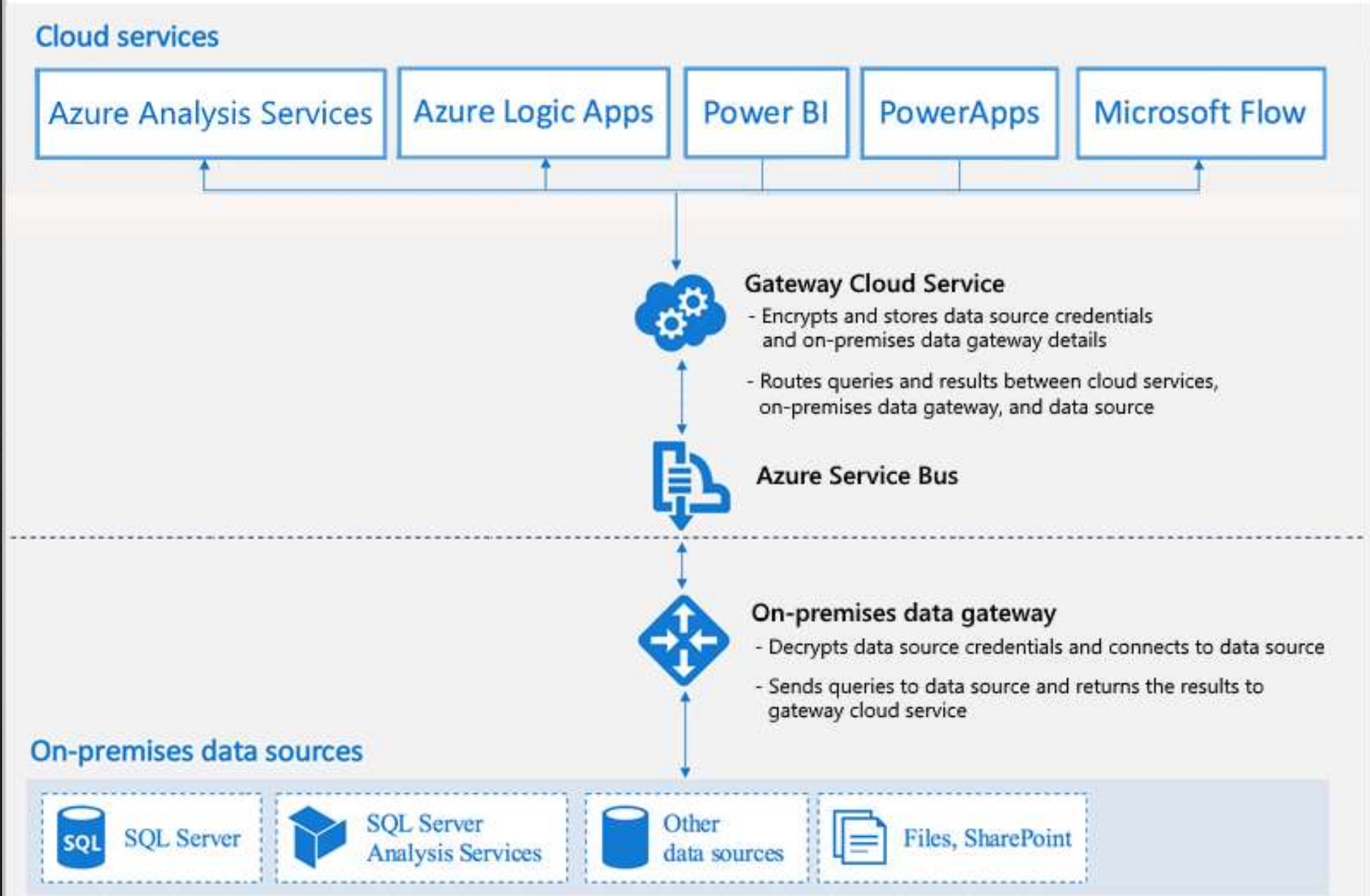
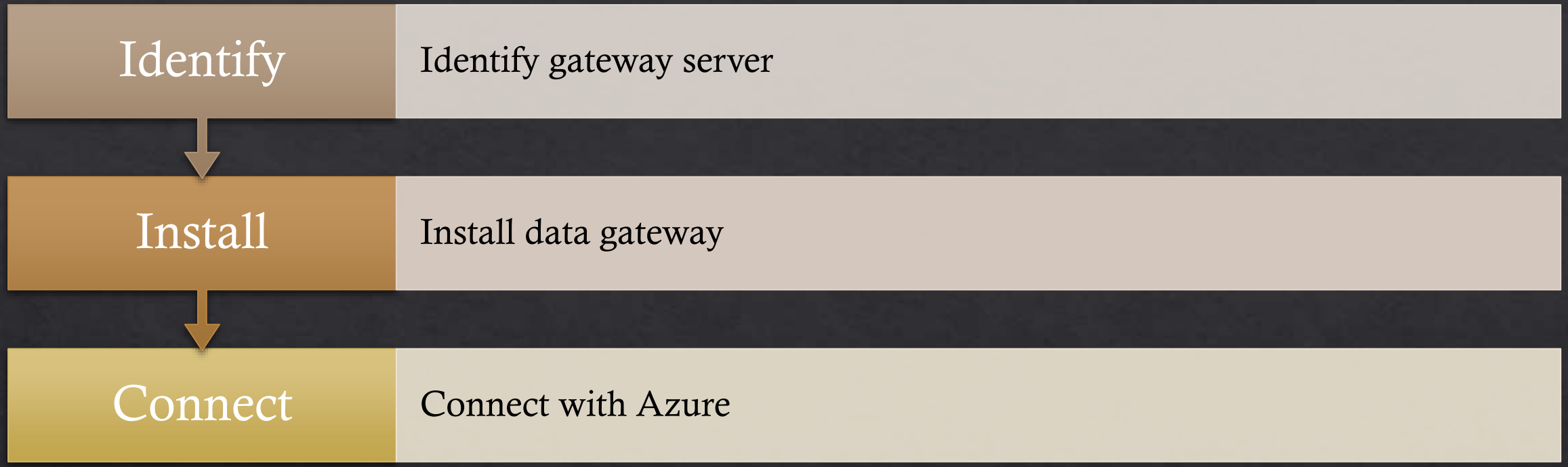
On-premises data gateway

One gateway for multiple cloud services and experiences





Gateway Configuration Steps

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Intro to DAX

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INTRO TO DAX

DAX stands for **Data Analysis Expressions**

It is a functional language

Two primary data types:
Numeric and 'Other'

Numeric: integers, decimals, currency
Other: strings and binary objects

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INTRO TO DAX

Uses operator overloading

Mix data types in your calculations

Results will change based on the input data type

Happens automatically – could have negative consequences (KNOW YOUR DATA)

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DAX Resources

DAX Basics: DanielGlenn.com/DAXBasics

Video Course: DanielGlenn.com/DAXvideos

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Coming Soon

Quick create reports

Create reports in Microsoft Teams

Organizational datasets

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Questions?

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Power BI Resources

- Guy in a Cube - GuyInACube.com
- Podcast: BiFocal Show
- InfoWorks, Inc. – contact me!
- Help in the app
- Docs on Microsoft.com

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thank you
danke
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teşekkür ederim
рахмат
Баярлалаа
спасибо
faafetai lava
mersi
kia ora
barka
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merci

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