Microsoft Power BI

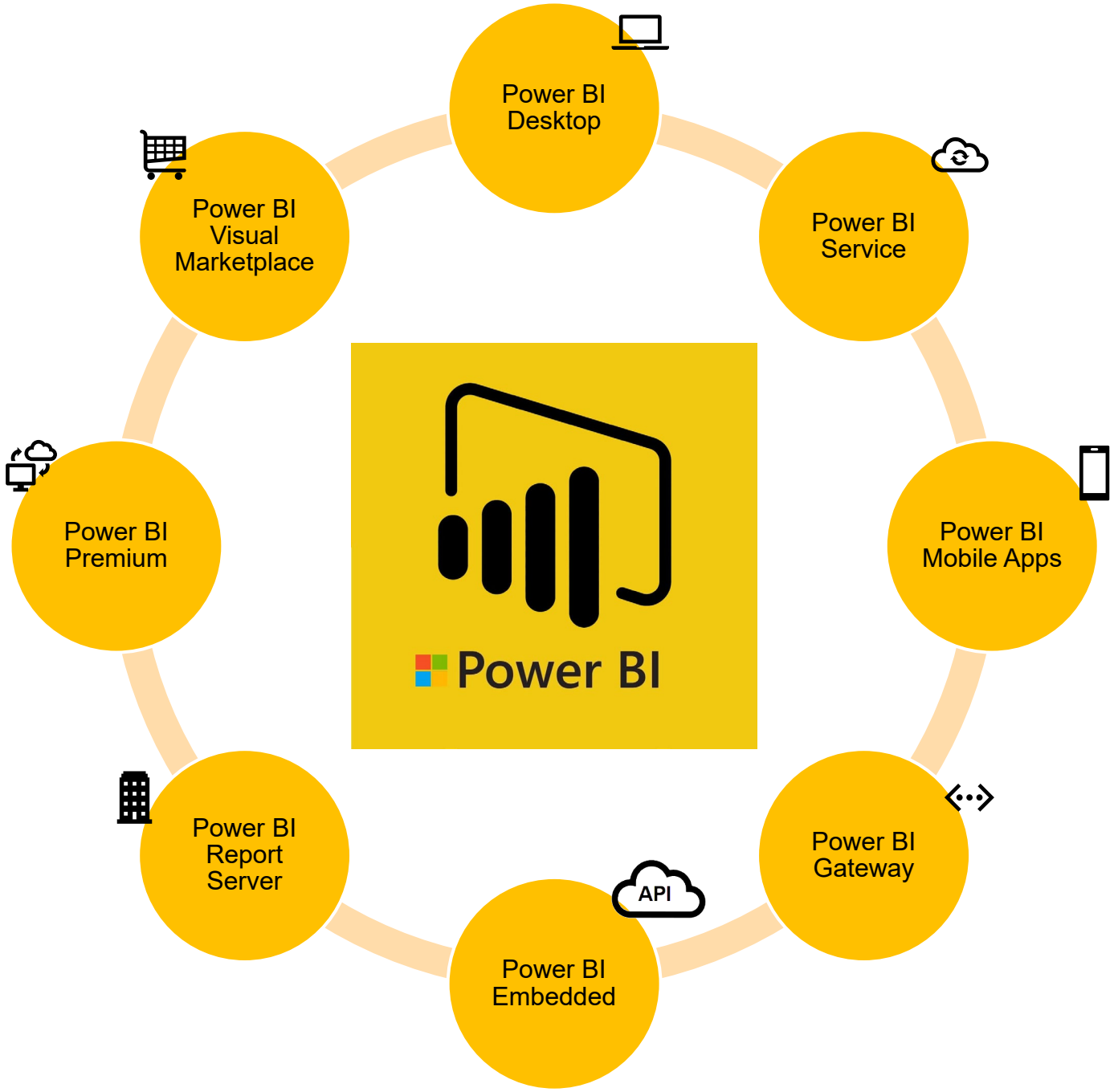
Oct 2020

Introduction to Business Intelligence

What is Power BI?

*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.*

NB: BI = Business Intelligence


Power BI Desktop
Power BI Service
Power BI Mobile Apps
Power BI Gateway
API
Power BI Embedded
Power BI Report Server
Power BI Premium
Power BI Visual Marketplace
Power BI

Power BI Desktop, Service and Mobile

Untitled - Power BI Desktop

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Form
Paste
Clipboar

ny NG

Power BI Desktop

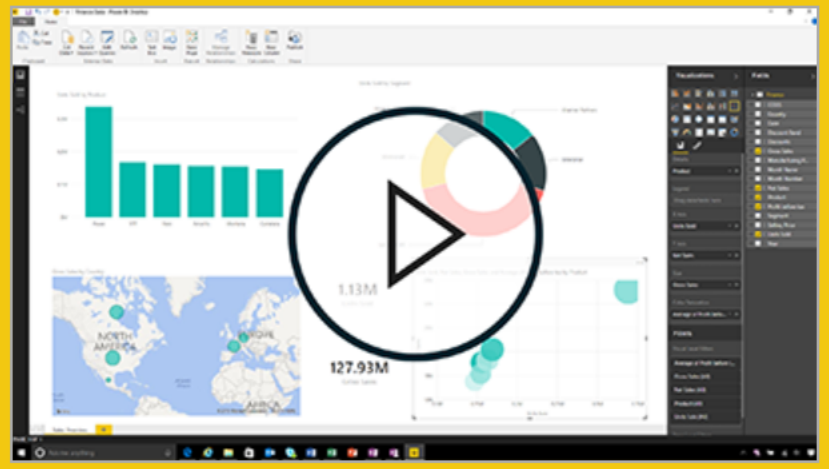
Get data

Recent sources

[redacted]

Open other reports

Anthony NG



Getting started with Power BI Desktop

Building reports

Query view concepts

Uploading your reports

Create a Phone report

VIEW ALL VIDEOS

✓ Show this screen on startup

WHAT'S NEW

Take a look at what's new and improved in Power BI in this month's update.

FORUMS

Visit the Power BI Forum to ask questions or interact with other users in the Power BI community.

POWER BI BLOG

Keep up to date with the latest news, resources, and updates from the Power BI team.

TUTORIALS

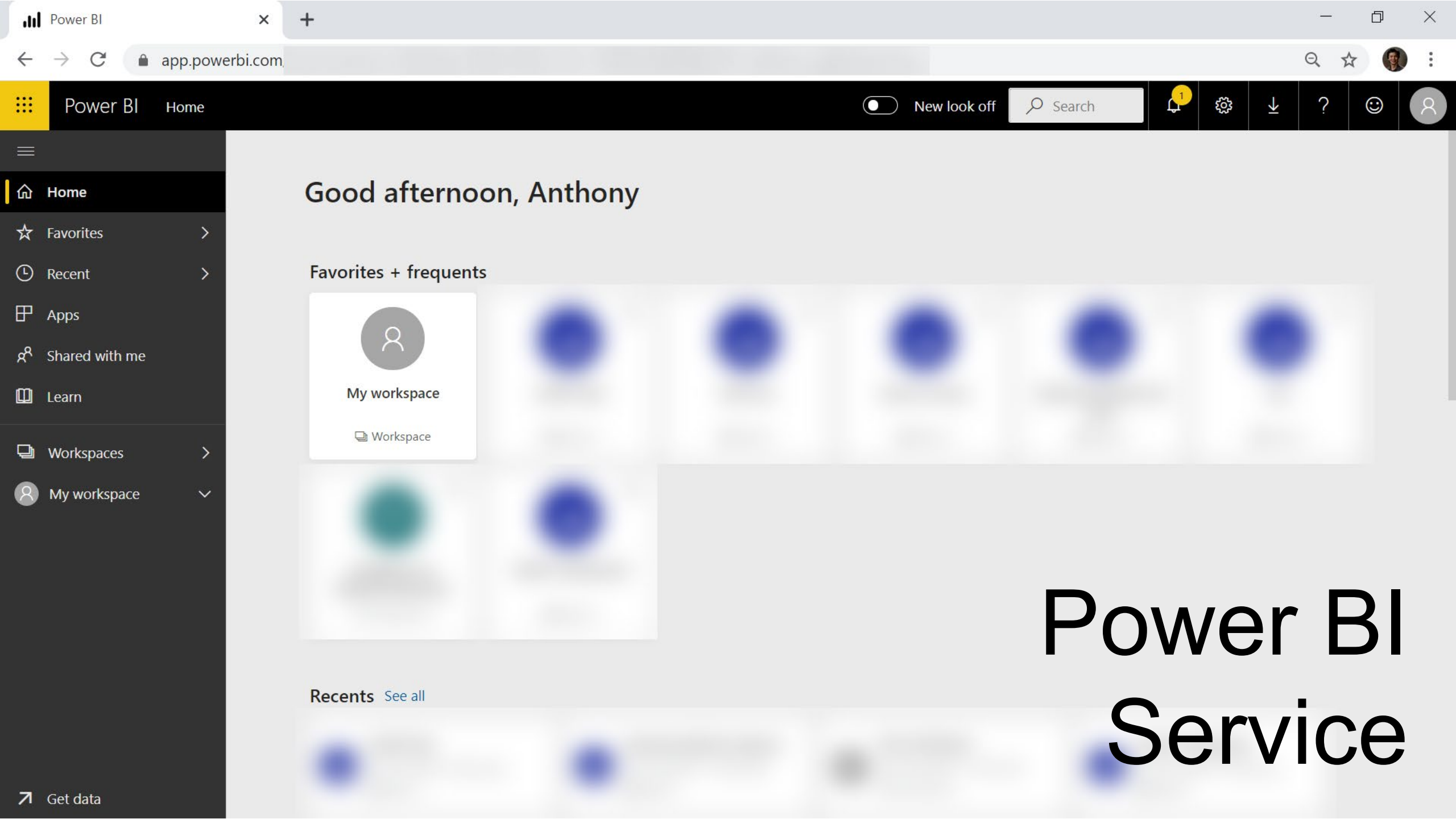
Ready to learn more about Power BI?

- Get started with Power BI Desktop
- Download a sample
- Watch our training videos
- See what others have built
- All guided learning

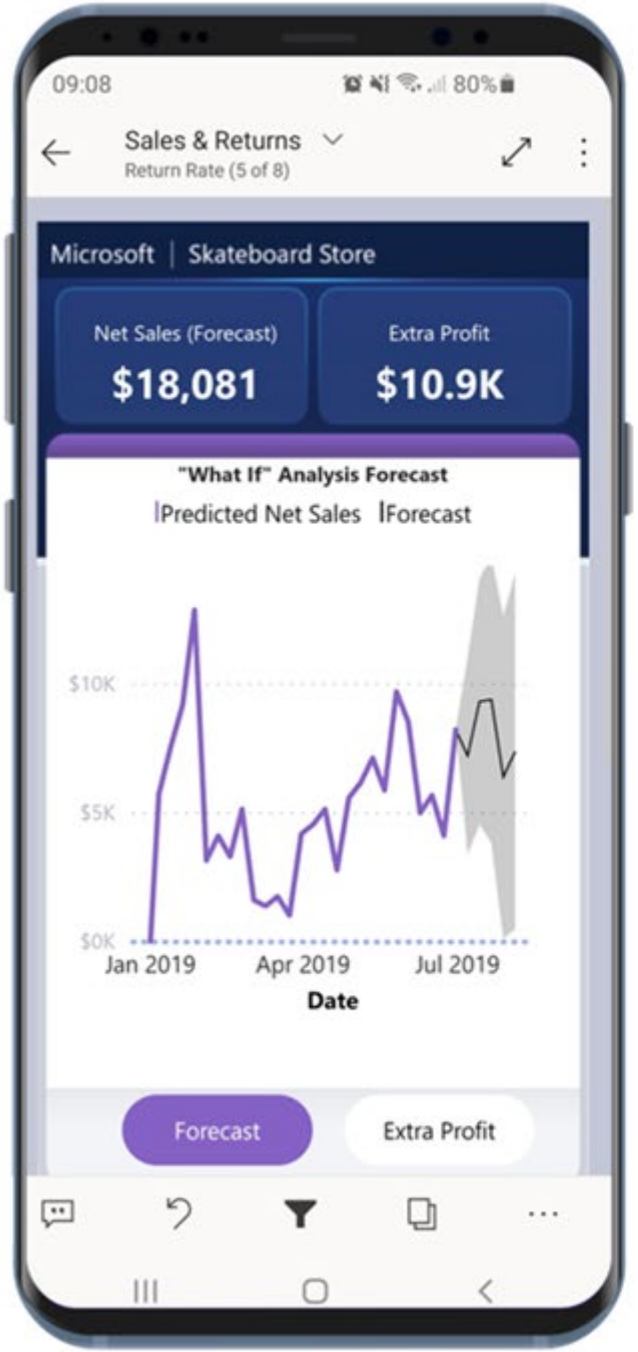
Page 1

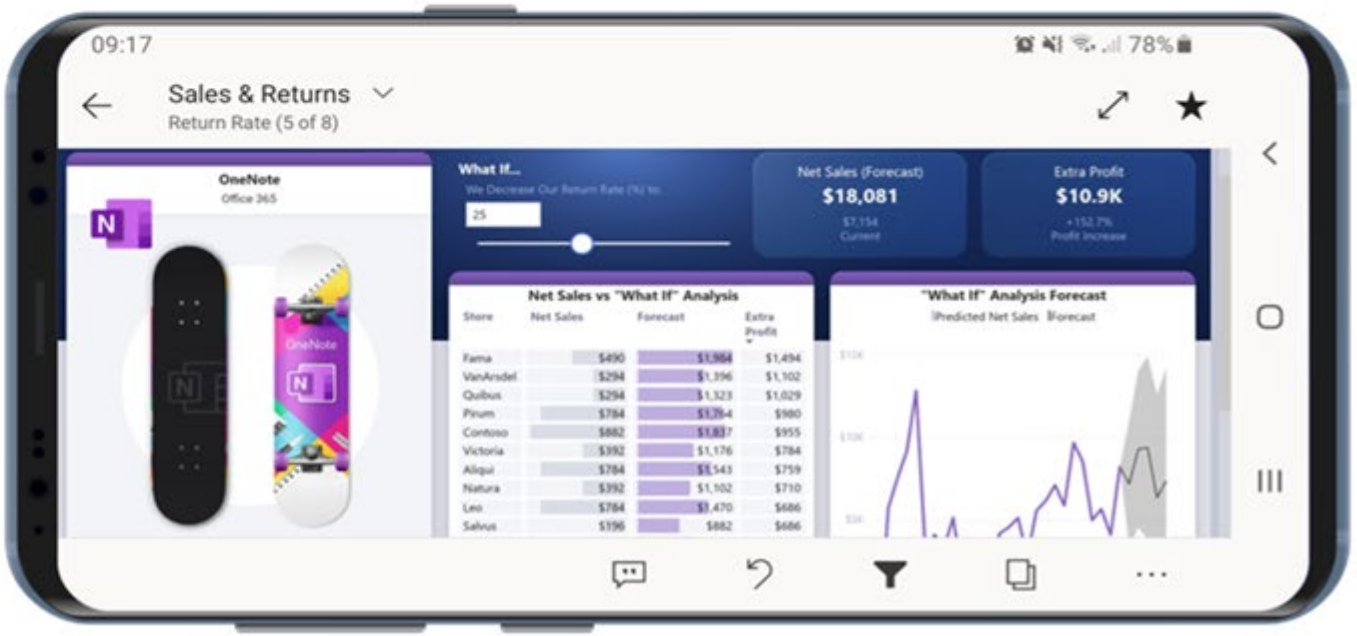
PAGE 1 OF 1

UPDATE AVAILABLE (CLICK TO DOWNLOAD)


Power BI
app.powerbi.com
Power BI
Home
New look off
Search
Home
Favorites
Recent
Apps
Shared with me
Learn
Workspaces
My workspace
Get data
Good afternoon, Anthony
Favorites + frequents
My workspace
Workspace
Recents
See all
Power BI
Service

Power BI Mobile



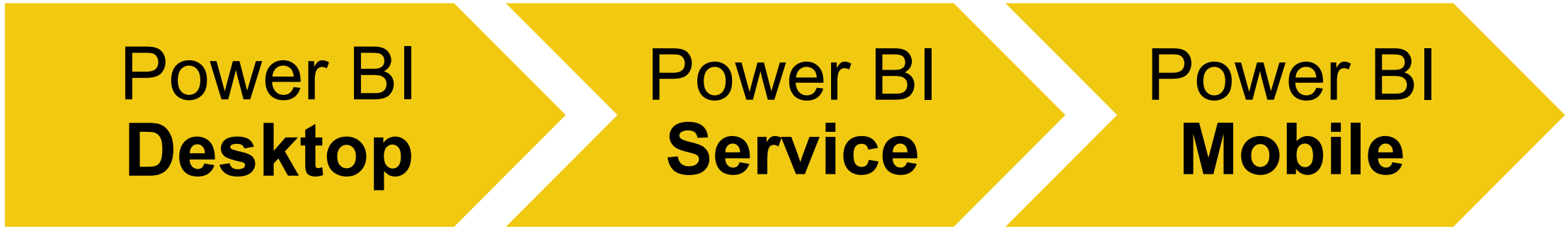


Different roles that Power BI support

- Designer
- Consumer
- Administrator
- Developers

Workflow

Workflow



Workflow

Demo 1: Best States for Retirement

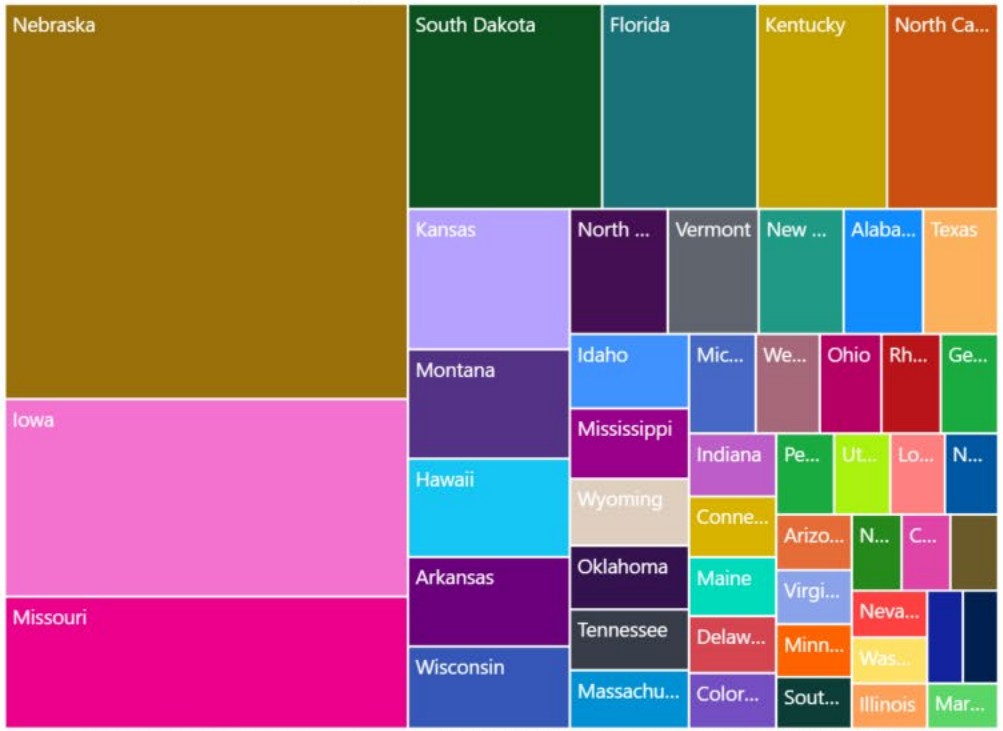
Top 3 States for Retirement

State	Overall rank
Nebraska	1
Iowa	2
Missouri	3

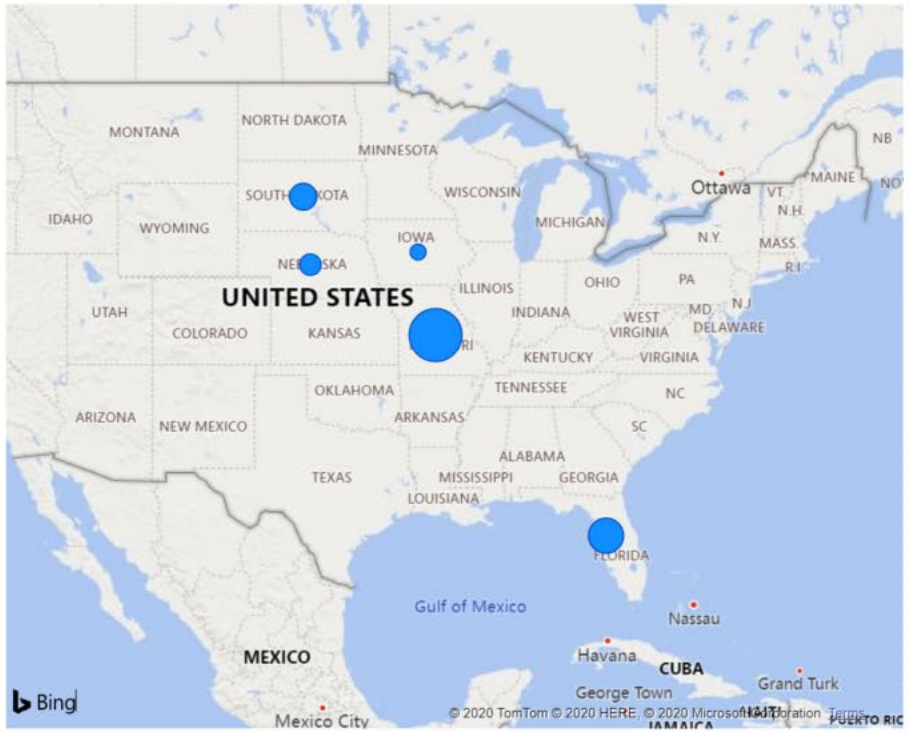
State	Affordability	Crime	Culture	Weather	Wellness	Overall rank
Nebraska	14	19	21	30	8	1
Iowa	8	15	20	34	12	2
Missouri	1	42	33	19	27	3

Select Multiple State...
- Alabama
- Alaska
- Arizona
- Arkansas
- California
- Colorado
- Connecticut

Best States for Retirement (Largest area = best)



Top 5 States by Overall Ranking (Circle Size = Crime Rate)



Visualizations
Values
Add data fields here
Drill through
Cross-report
Off
Keep all filters
On
Add drill-through fields here

Fields
Search
Ranking_of_best_...
- Affordability
- Crime
- Culture
- Inverse Ove...
- Overall rank
- State
- Weather
- Wellness

Top 3 States for Retirement

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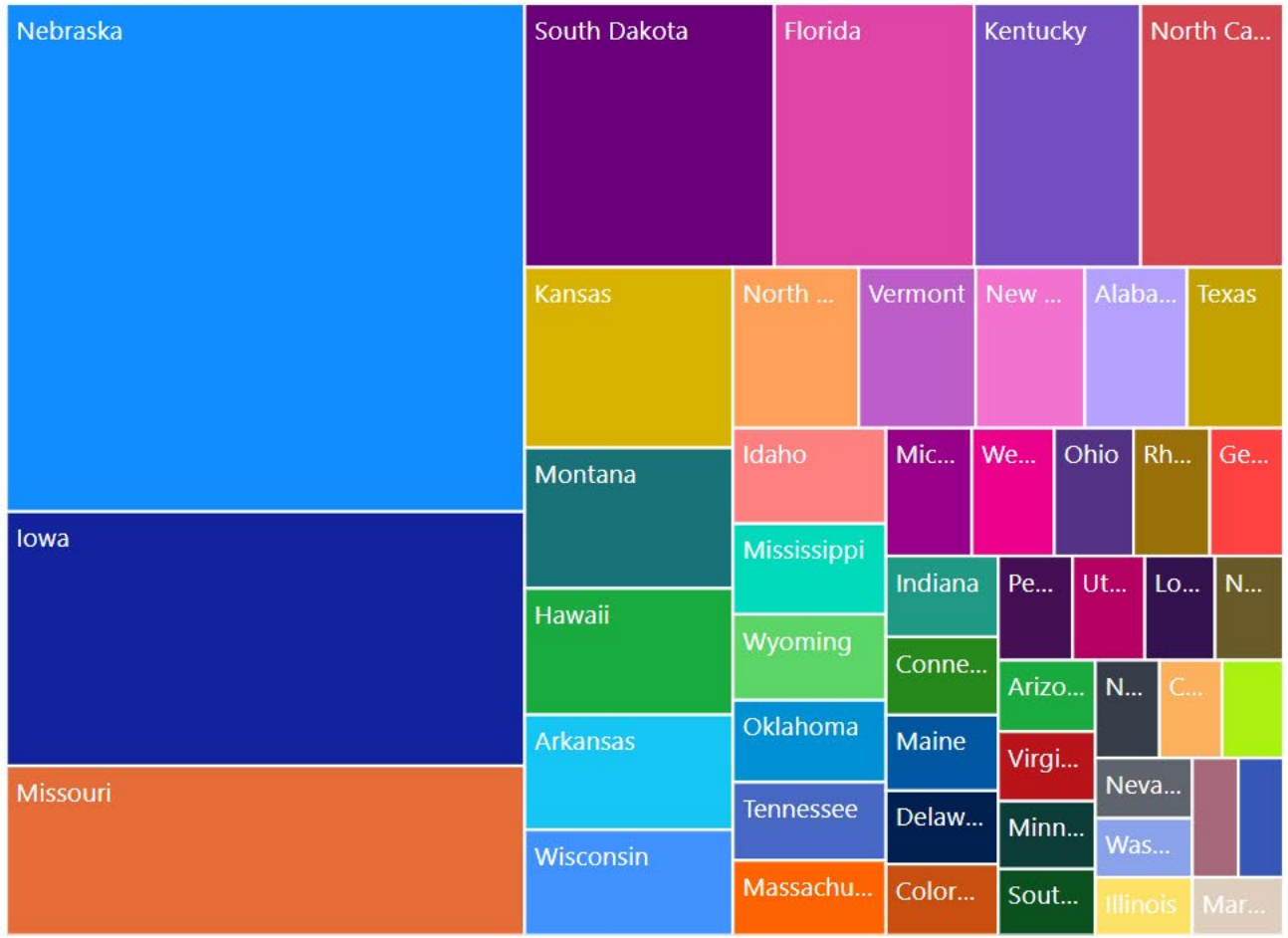

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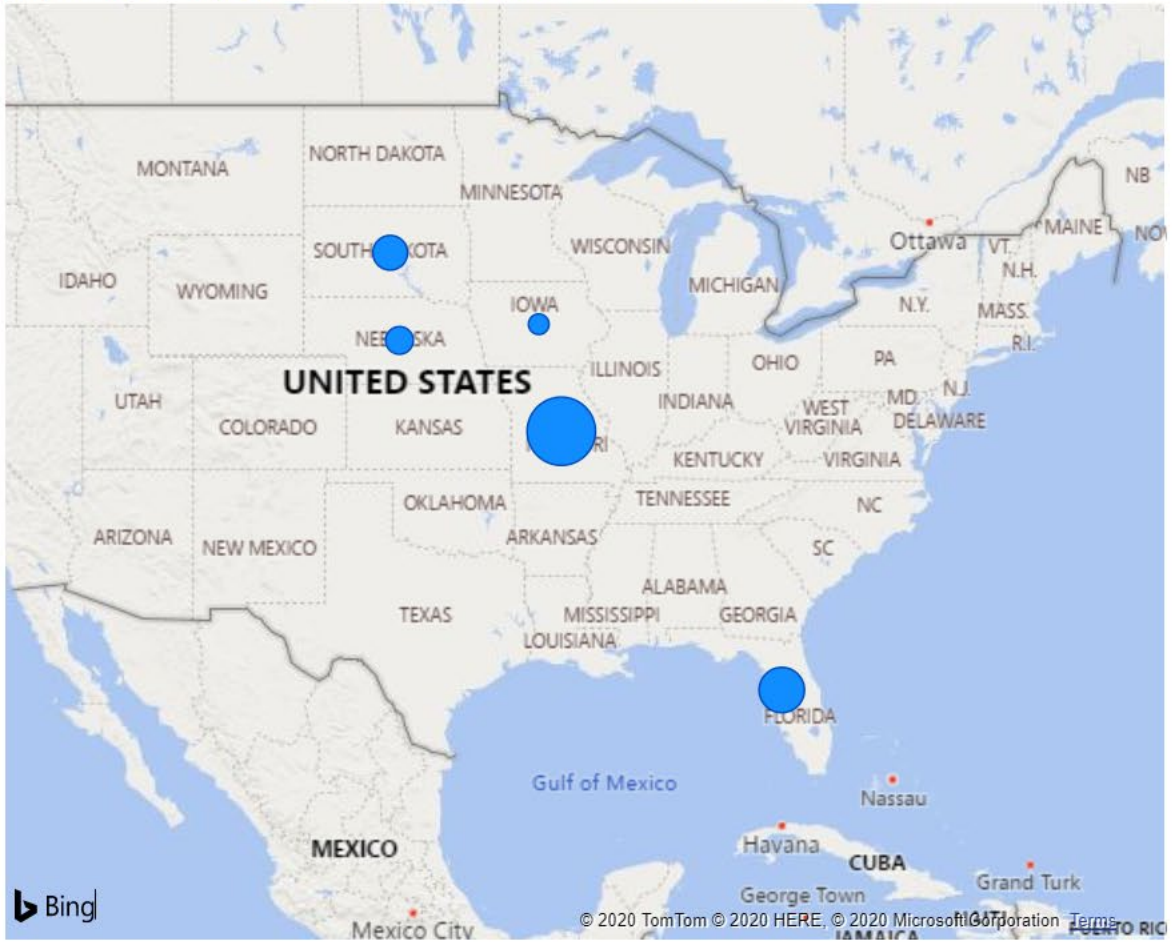


Front

Workflow

Demo 2: Coffee Quality

Coffee Dashboard - Power BI Desktop

Anthony NG

File Home Insert Modeling View Help

Paste Cut Copy Format painter — Clipboard

Get data Excel Power BI datasets SQL Server Enter data Recent sources — Data

Transform data Refresh — Queries

New visual Text box More visuals — Insert

New measure Quick measure — Calculations

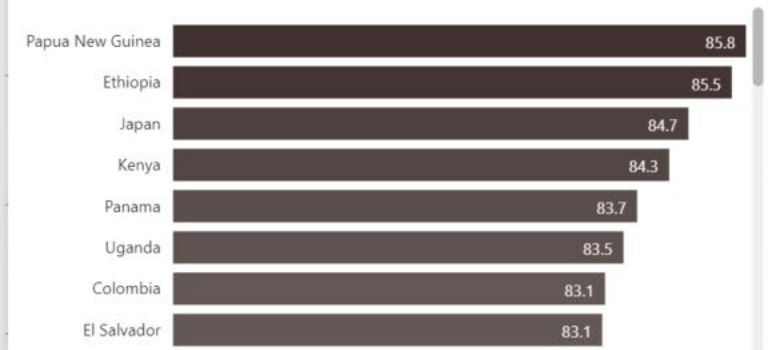
Publish — Share

Coffee Quality

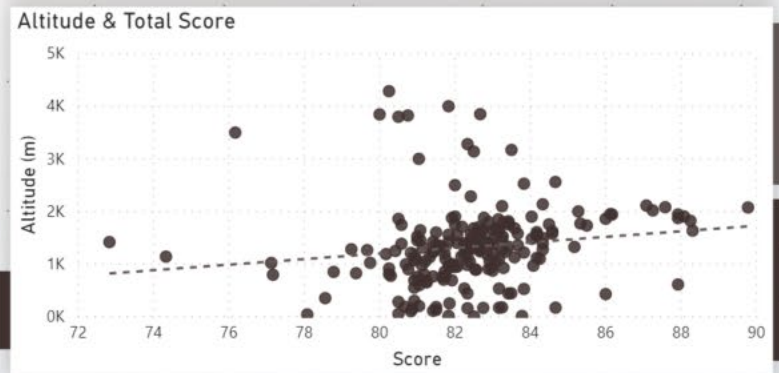
r Query

SparkBI

Average Score by Country



Altitude & Total Score



REMOVE OUTLIERS

Country Name	Acidity	Aroma	Balance	Body	Flavour
Brazil					
Burundi					
China					
Colombia					
Costa Rica					
Ecuador					
El Salvador					
Ethiopia					
Guatemala					
Haiti					
Honduras					
India					
Indonesia					
Ivory Coast					
Japan					
Kenya					

Filters

Search

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

Visualizations

Values

Add data fields here

Drill through

Cross-report

Off

Keep all filters

On

Add drill-through fields here

Fields

Search

Measure Table

Dim_Country

Fact_Coffee Beans

Home | Tooltip_AverageScore | Tooltip_Scatter | Tooltip_Matrix | VideoGameSales | SPOTIFY | COVID

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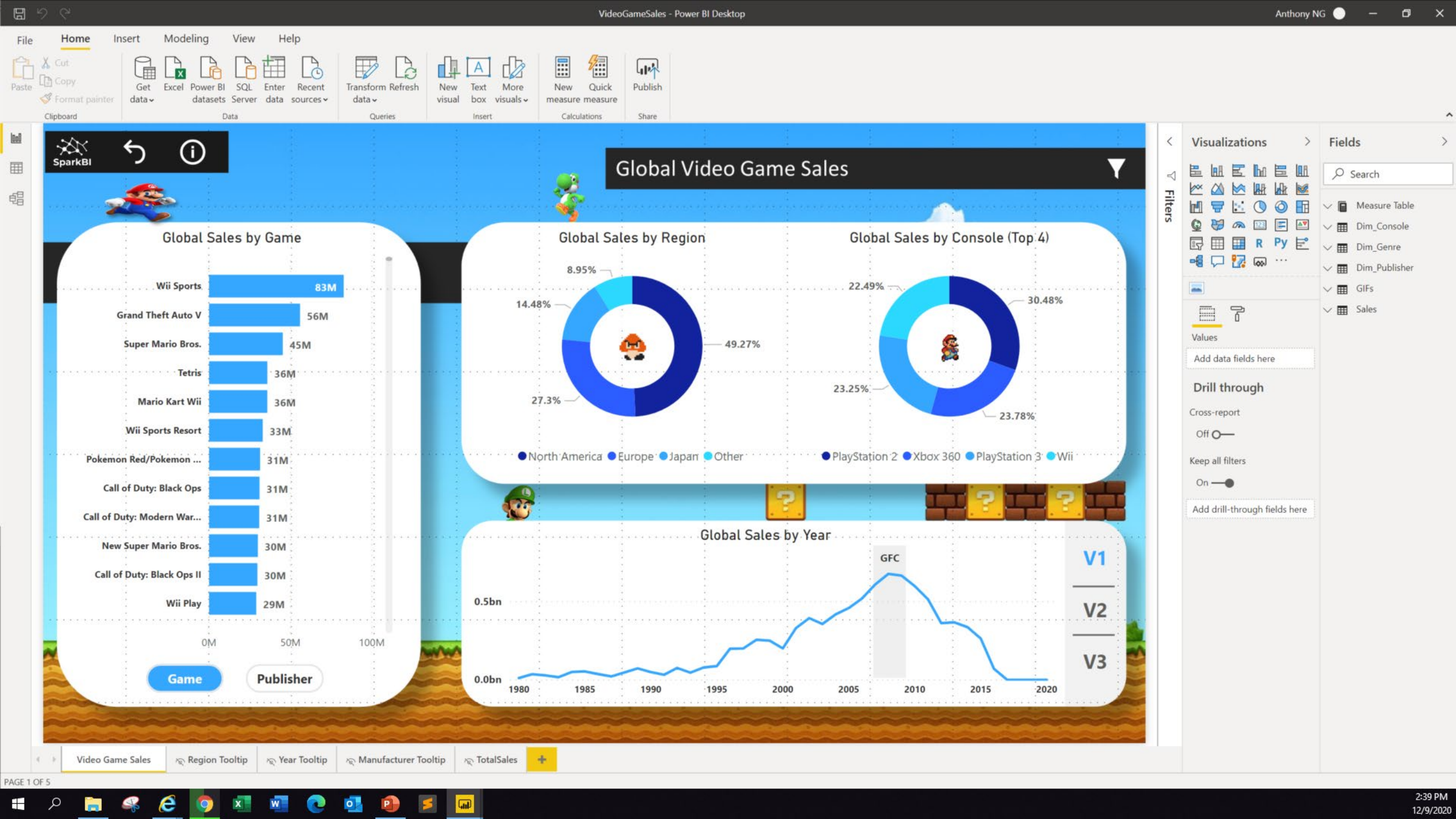
12/9/2020

Workflow

Demo 3: Global Video Game Sales


VideoGameSales - Power BI Desktop
Anthony NG
File
Home
Insert
Modeling
View
Help
Paste
Cut
Copy
Format painter
Clipboard
Get data
Excel
Power BI datasets
SQL Server
Enter data
Recent sources
Data
Transform data
Refresh
Queries
New visual
Text box
More visuals
Insert
New measure
Quick measure
Calculations
Publish
Share
SparkBI
Global Video Game Sales
Global Sales by Game
Wii Sports 83M
Grand Theft Auto V 56M
Super Mario Bros. 45M
Tetris 36M
Mario Kart Wii 36M
Wii Sports Resort 33M
Pokemon Red/Pokemon ... 31M
Call of Duty: Black Ops 31M
Call of Duty: Modern War... 31M
New Super Mario Bros. 30M
Call of Duty: Black Ops II 30M
Wii Play 29M
0M
50M
100M
Game
Publisher
Global Sales by Region
8.95%
14.48%
49.27%
27.3%
North America
Europe
Japan
Other
Global Sales by Console (Top 4)
22.49%
30.48%
23.25%
23.78%
PlayStation 2
Xbox 360
PlayStation 3
Wii
Global Sales by Year
GFC
0.5bn
0.0bn
1980
1985
1990
1995
2000
2005
2010
2015
2020
V1
V2
V3
Filters
Visualizations
Values
Add data fields here
Drill through
Cross-report
Off
Keep all filters
On
Add drill-through fields here
Fields
Search
Measure Table
Dim_Console
Dim_Genre
Dim_Publisher
GIFs
Sales
Video Game Sales
Region Tooltip
Year Tooltip
Manufacturer Tooltip
TotalSales
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