Power BI

beginners free 10 weeks online training course

Power BI

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Power BI Week 1

Monday 18th Jan 2021

Introduction to Power BI and your first Power BI report.

- Hi & Intros: David, Conrad
- Logistics: Classroom course
- Recording on Youtube. Leave if not happy to be recorded
- Each week sign up on Meetup.com for the weekly event & Q&A workshop
- Each session will be a new Zoom link
- Questions into the chat or raise your hand
- 2 screens is better than 1.
- Microphones on mute

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David Moss

Azure | Power Platform | D365 Solutions Architect

Delivering end to end Azure AI & BI hybrid solutions with a passion for D365, Power Platform & Power BI reports across IoT, e-commerce, telcos, fintech & manufacturing verticals.

MVP Data Platform

Since 2017 awarded MVP - Microsoft Valued Professional - for my community contributions.

Leader of Power BI meetup user groups in London and online.

Community & conference presenter.

ACMA, CGMA Accountant

A qualified ACMA accountant all my career which keeps me commercially aware & business facing partner on D365 F&O projects.

@wottabyte

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www.wottabyte.com

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Microsoft MCT

MVP Microsoft® Most Valuable Professional

ai bi
powerBI.ai

Conrad Moss : Power BI Developer

- Certified MCSA BI Reporting : Power BI & Excel
- Power BI Certification 70-778 preparing to take DA-100
- Manchester United fan

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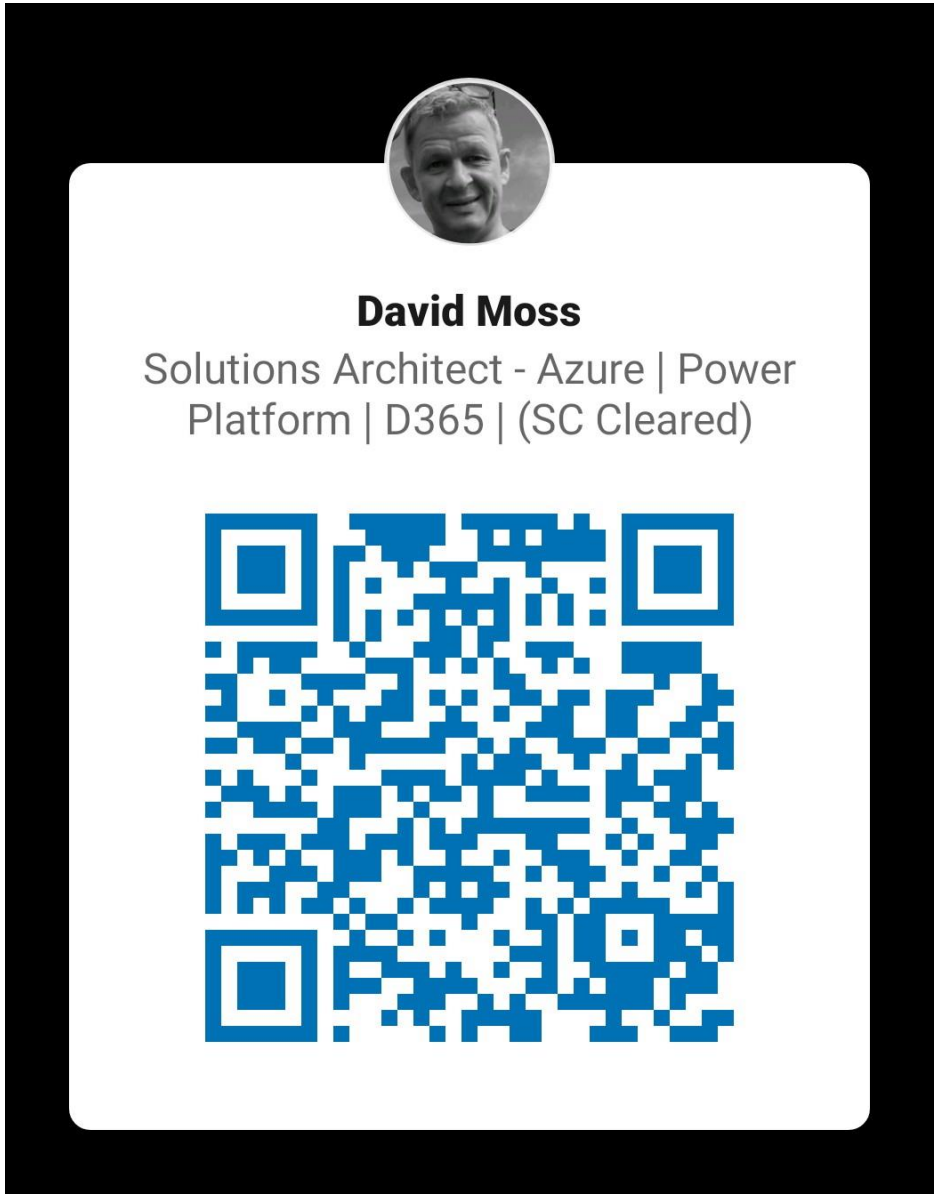
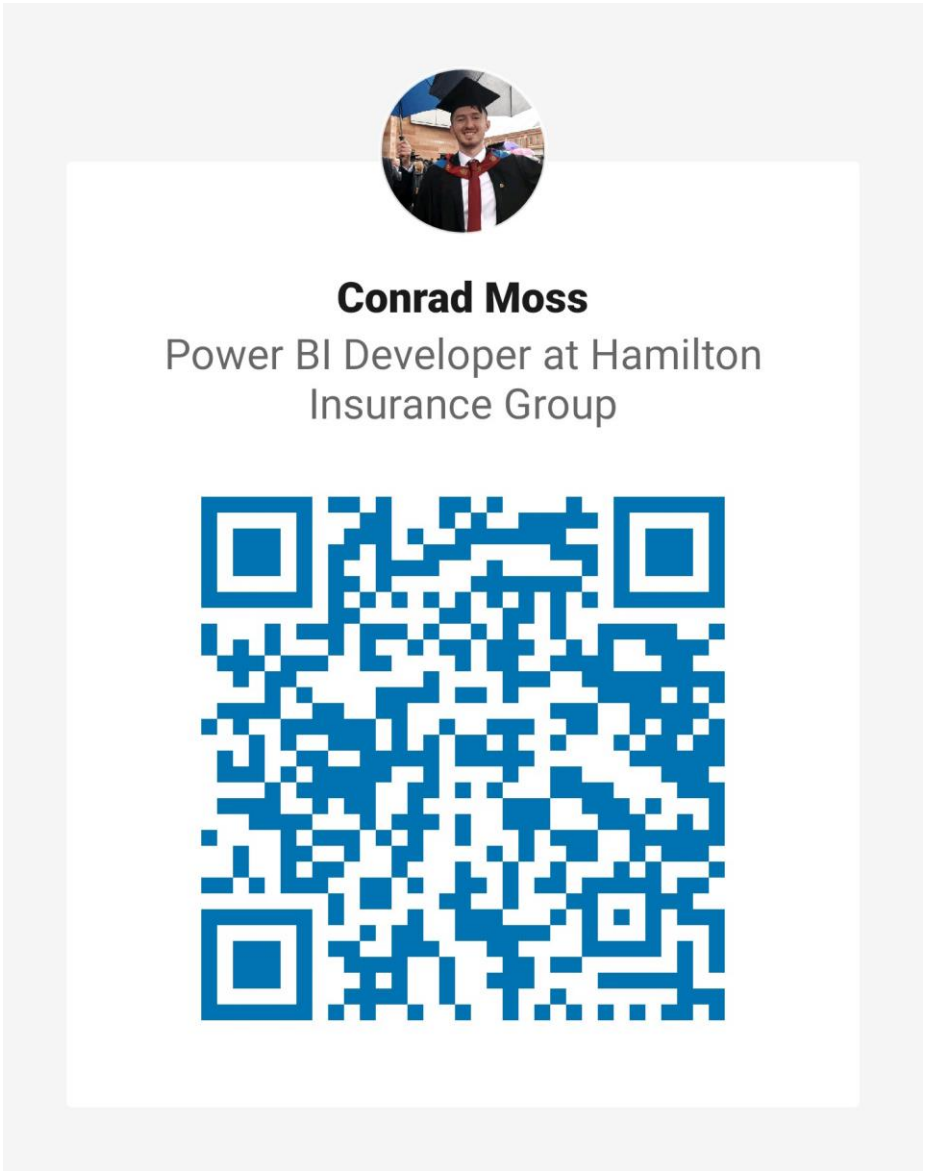
Linkedin : QR Codes





Power BI

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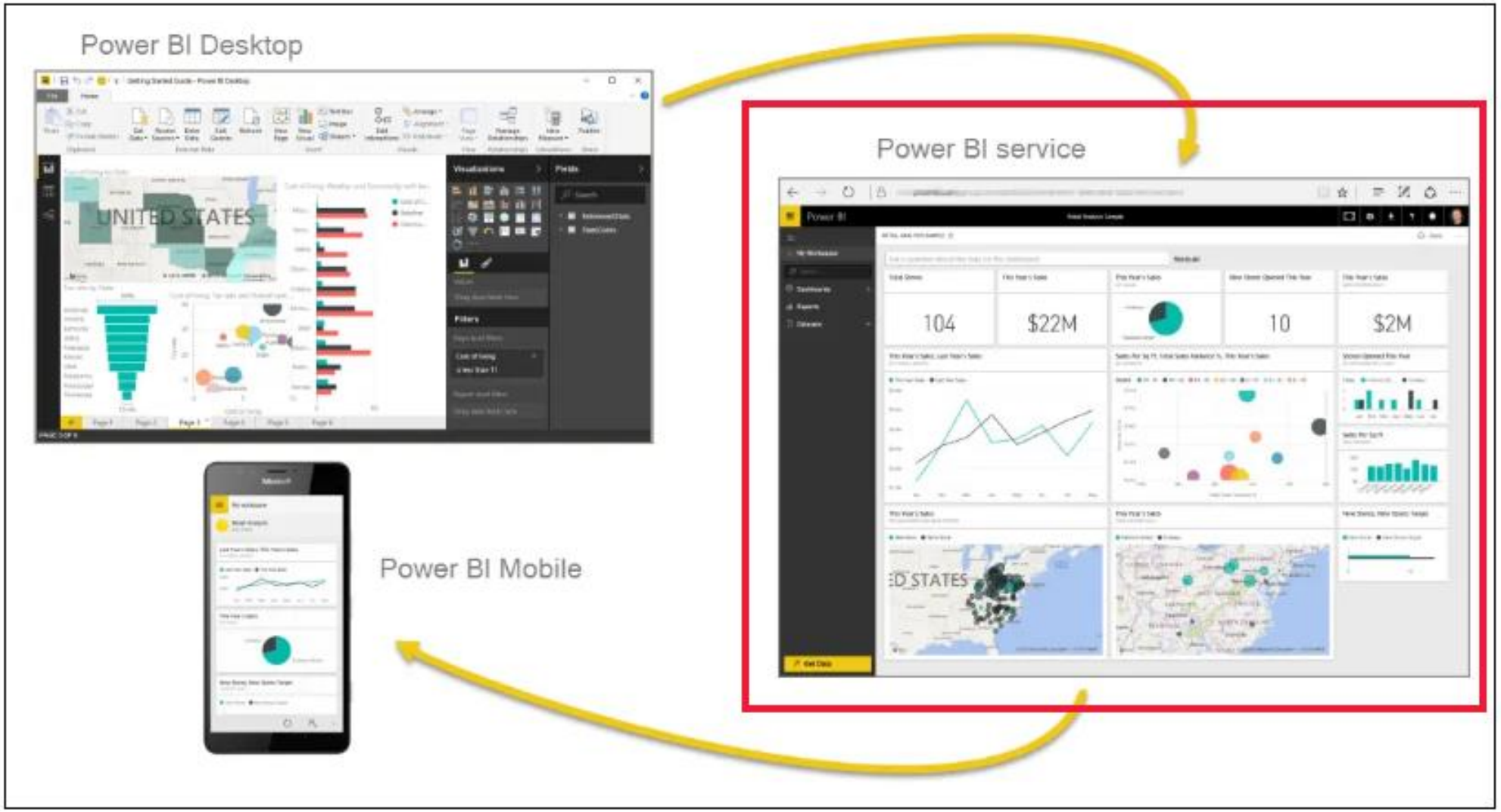
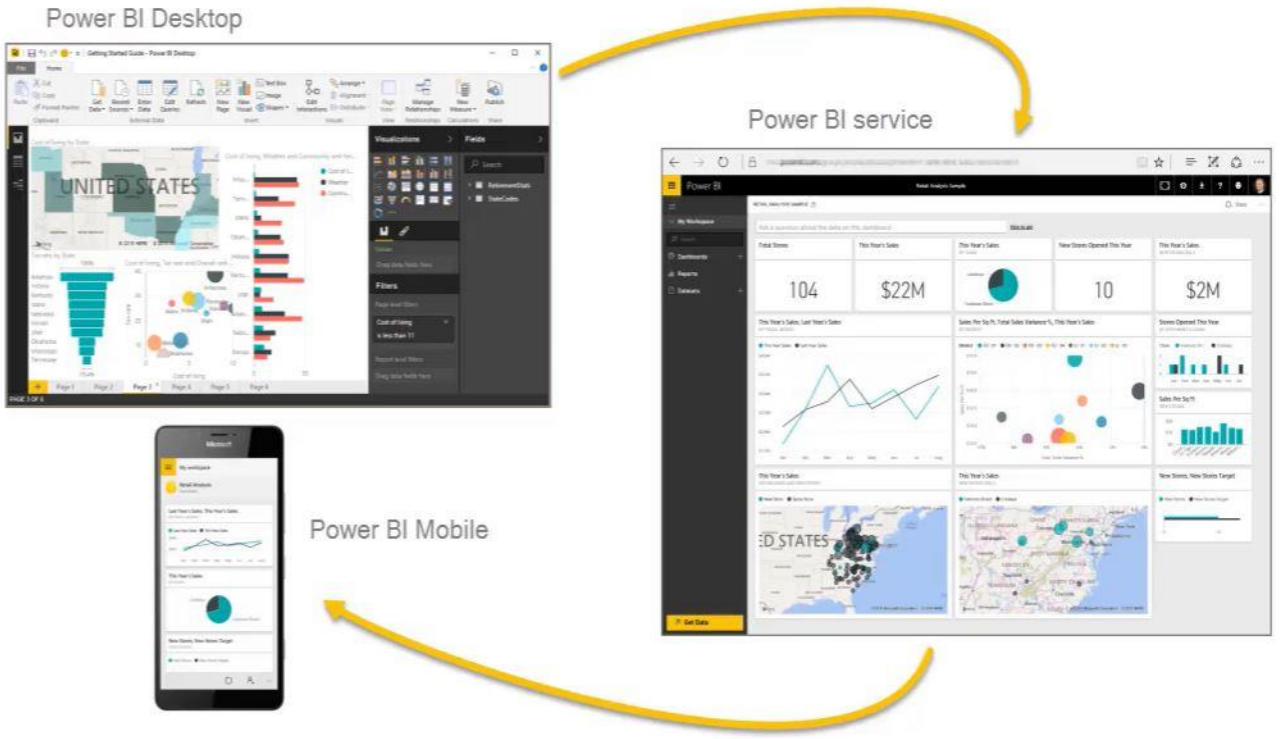
What is Power BI ?



PBI Desktop, PBI Service, PBI Mobile apps

Parts of Power BI

These three elements—**Desktop**, the **service**, and **Mobile** apps—are designed to let people create, share, and consume business insights



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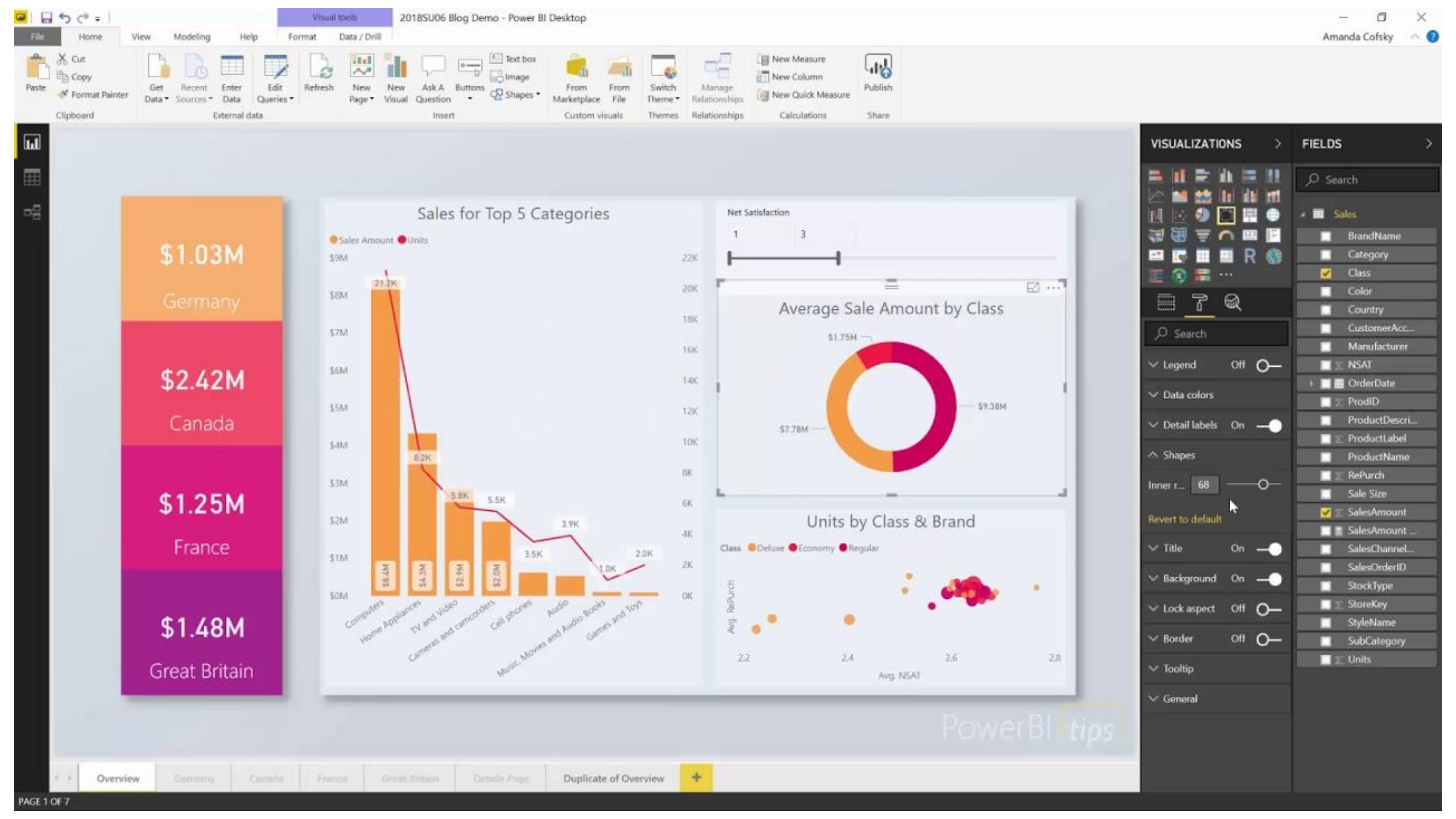
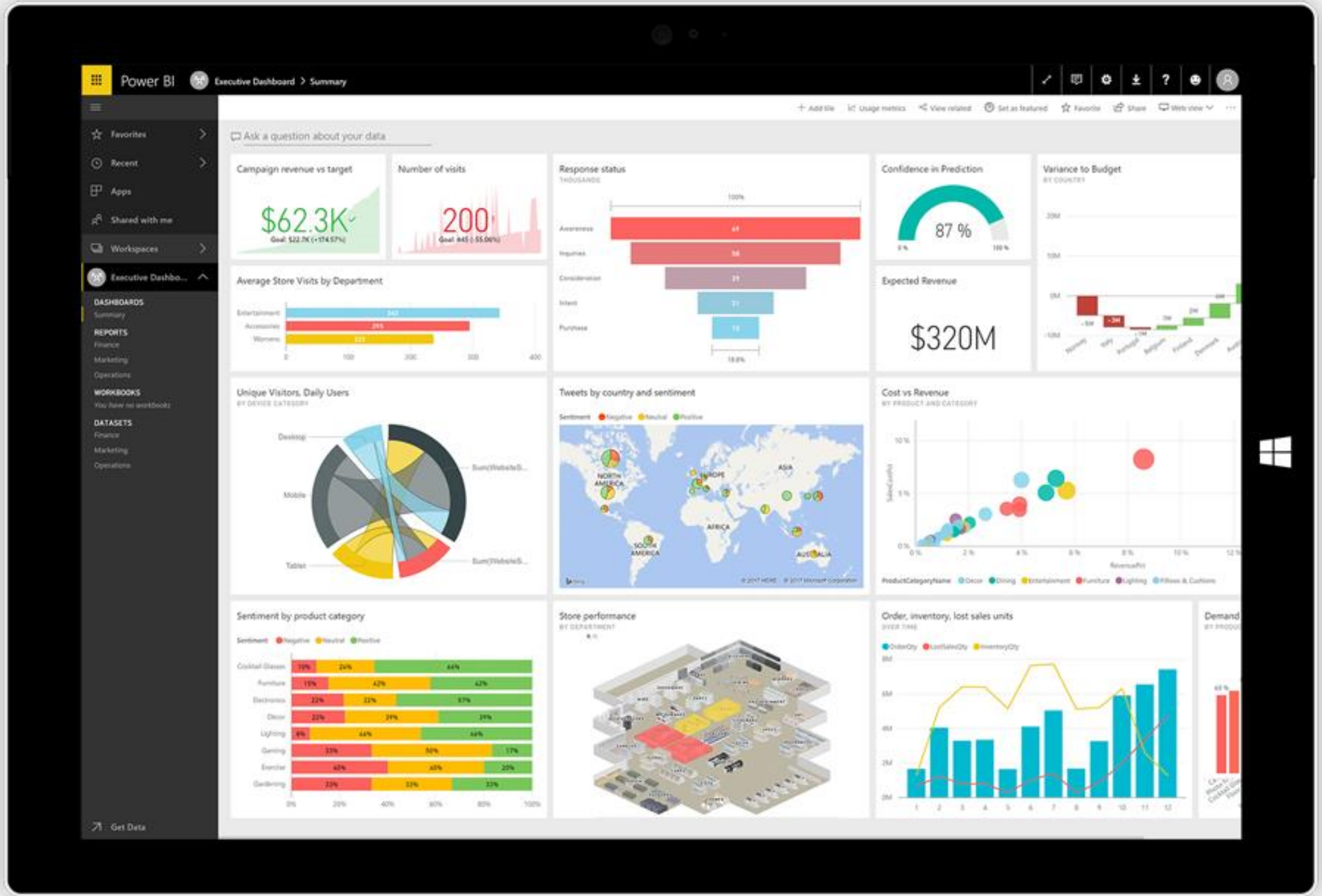

2018SU06 Blog Demo - Power BI Desktop
Amanda Cofsky
$1.03M
Germany
$2.42M
Canada
$1.25M
France
$1.48M
Great Britain
Sales for Top 5 Categories
Sales Amount
Units
Computers
Home Appliances
TV and Video
Cameras and camcorders
Cell phones
Audio
Music, Movies and Audio Books
Games and Toys
Net Satisfaction
Average Sale Amount by Class
$1.75M
$9.38M
$7.78M
Units by Class & Brand
Class
Deluxe
Economy
Regular
Avg. RePurch
Avg. NSAT
VISUALIZATIONS
FIELDS
Search
Legend
Off
Data colors
Detail labels
On
Shapes
Inner r...
68
Revert to default
Title
Background
Lock aspect
Border
Tooltip
General
Sales
BrandName
Category
Class
Color
Country
CustomerAcc...
Manufacturer
NSAT
OrderDate
ProdID
ProductDescri...
ProductLabel
ProductName
RePurch
Sale Size
SalesAmount
SalesAmount ...
SalesChannel...
SalesOrderID
StockType
StoreKey
StyleName
SubCategory
Units
Overview
Duplicate of Overview
PAGE 1 OF 7


Power BI
Executive Dashboard > Summary
Favorites
Recent
Apps
Shared with me
Workspaces
Executive Dashbo...
DASHBOARDS
Summary
REPORTS
Finance
Marketing
Operations
WORKBOOKS
You have no workbooks
DATASETS
Finance
Marketing
Operations
Get Data
Ask a question about your data
Campaign revenue vs target
$62.3K
Number of visits
200
Response status
Confidence in Prediction
87 %
Variance to Budget
Average Store Visits by Department
Expected Revenue
$320M
Unique Visitors, Daily Users
Tweets by country and sentiment
Cost vs Revenue
Sentiment by product category
Store performance
Order, inventory, lost sales units

Quick Survey of audience

https://forms.office.com/Pages/ResponsePage.aspx?id=WkuituyrDEaGarPmYT9Z1NvMNOjKOFdHsnEJjP6WpoNUREdYRjdPUUQ0SzlQVzYzUEdJSkVKV1U5Ni4u

Student go to form and submit
Trainer display live online results in Power BI dashboard

Power BI Desktop

- Download Power BI Desktop from www.powerbi.com
- Install
- Build your first report - use blog next page
- Quick look at PBI Desktop features
- Save your report as .pbix
- Get a Microsoft account
- Publish to Power BI Service app.powerbi.com
- Workshop this eve at 21:00 – 22:00 for 1-2-1 help.

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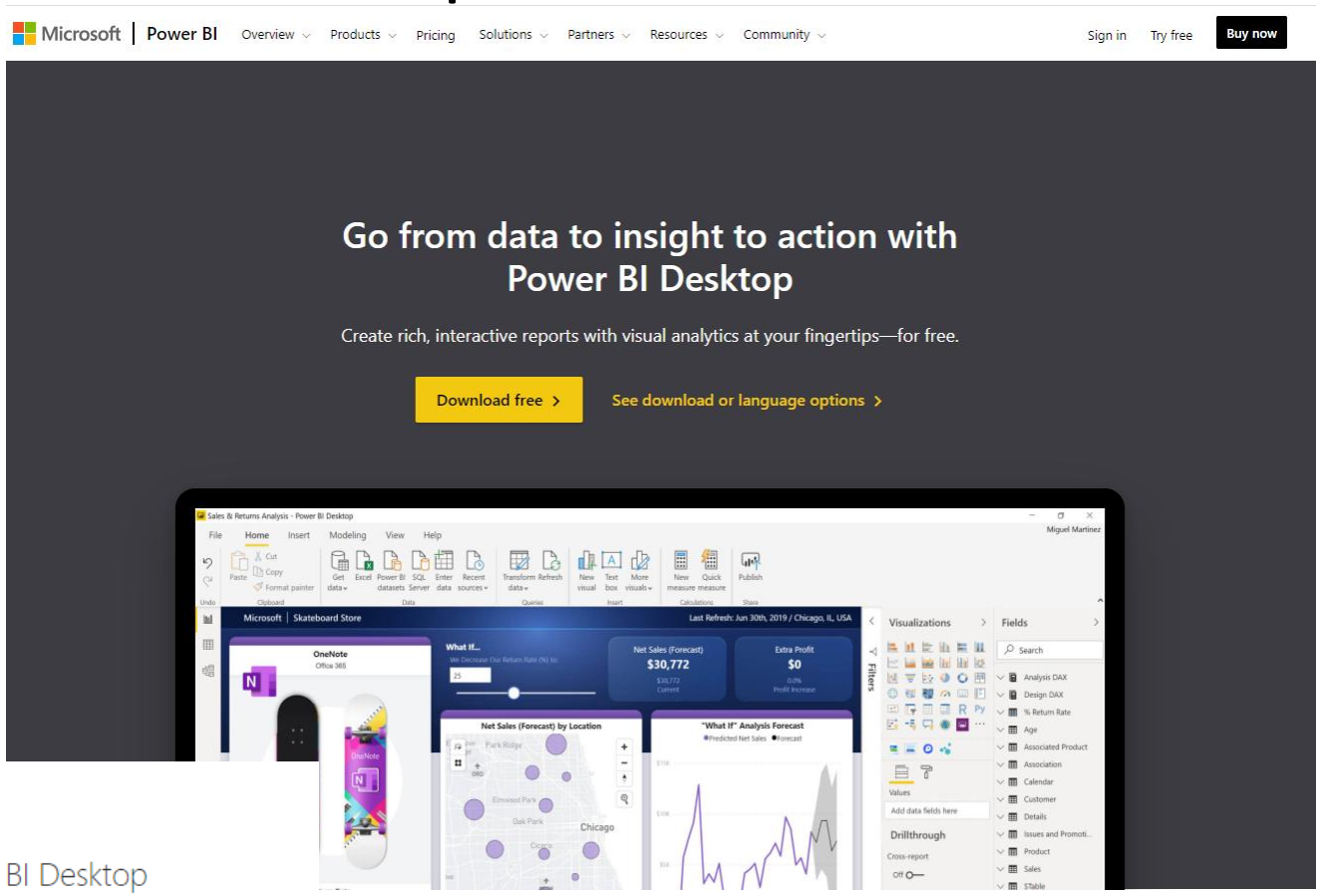
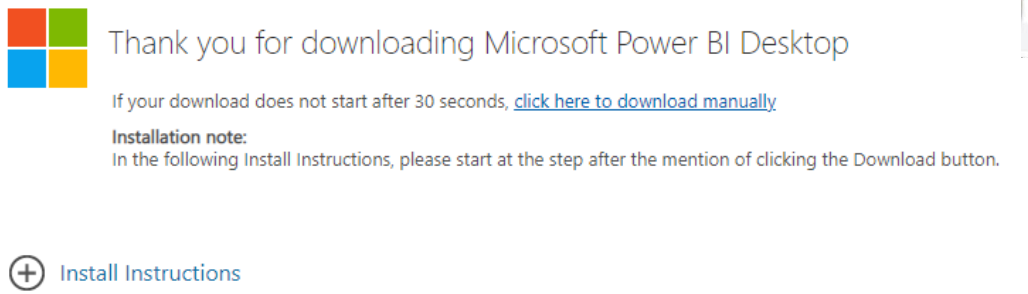
Power BI Desktop

- Download Power BI Desktop
- Windows Store - W10 app
- Or Download desktop version
- 32 bit or 64 bit
- Windows not Apple

What is PBI desktop ?
https://docs.microsoft.com/en-us/power-bi/fundamentals/desktop-getting-started





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Untitled - Power BI Desktop

David Moss

File Home Insert Modeling View Help External Tools

Paste Cut Copy Format painter

Clipboard

Get data

Power BI Desktop

Get data

Recent sources

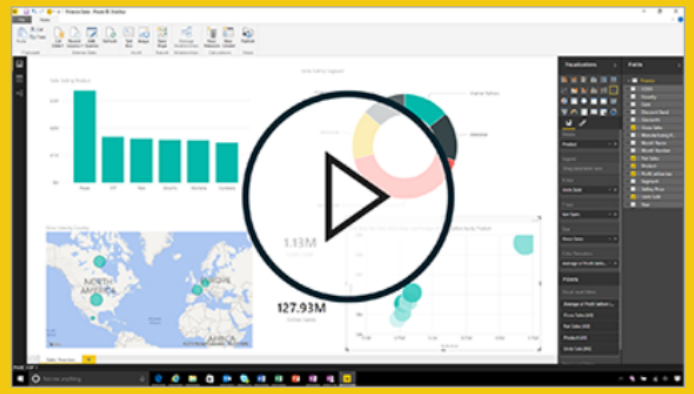
CyrptoTrader.pbix
C: » Users » david » Documents »...

coinmarketcap only web.p...
C: » Users » david » Documents »...

CyrptoTrader.pbix
Documents

32.4 ControlChart 6 sigma....
C: » Users » david » Documents »...

Open other reports



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

David Moss

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

Visualizations

Values

Add data fields here

Drill through

Cross-report

Off

Keep all filters

On

Add drill-through fields here

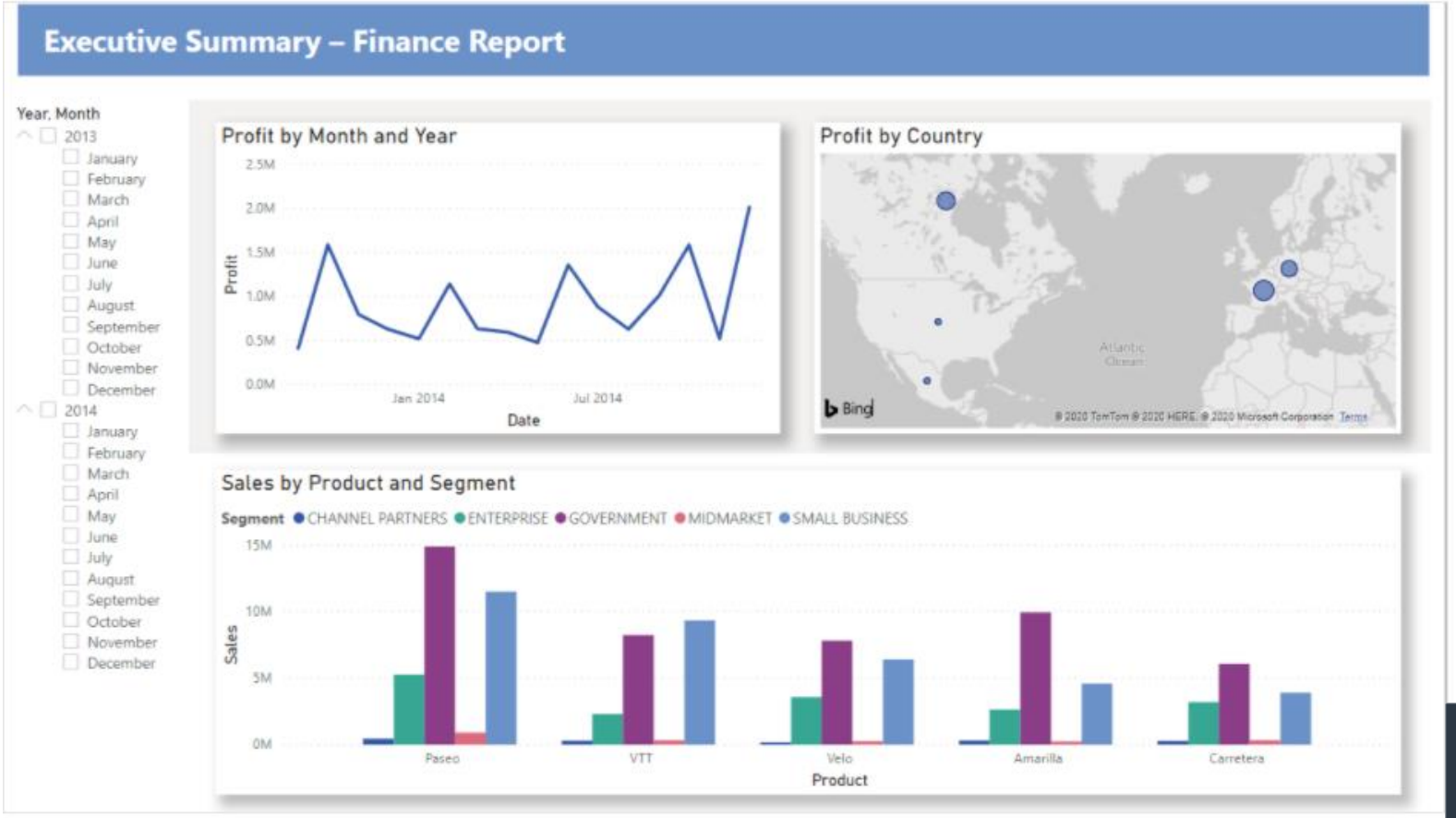
Fields

Page 1

Page 1 of 1

Lesson 1 - build your first report

- https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-excel-stunning-report



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Publish to www.powerbi.com

- Sign in at www.powerbi.com
- You need a MS a/c not gmail !!
- https://docs.microsoft.com/en-us/power-bi/fundamentals/service-self-service-signup-for-power-bi

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Workshop this eve at 21:00 – 22:00 GMT

- **Q&A Workshop - Power BI Beginner Training Lesson 1**
- https://www.meetup.com/The-Power-BI-Apprentice/events/275805195/

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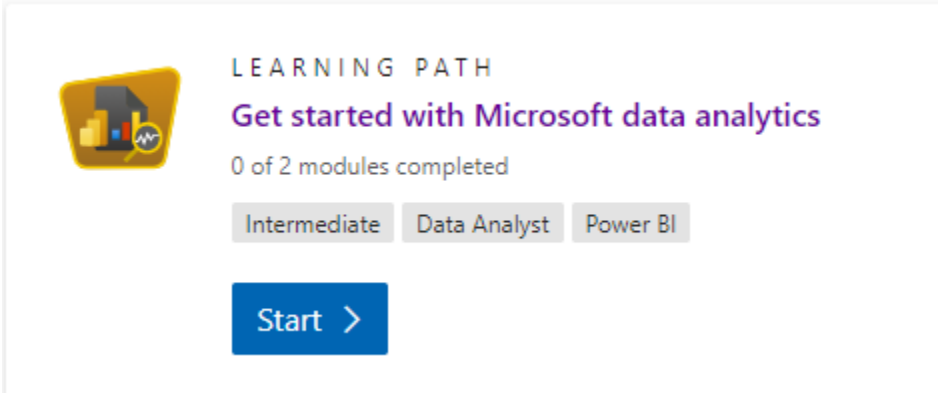
Preparation for next week

- Microsoft Learn : https://docs.microsoft.com/en-us/learn/certifications/exams/da-100
- Get started with MS data analytics https://docs.microsoft.com/en-us/learn/paths/data-analytics-microsoft/



- Microsoft documentation : https://docs.microsoft.com/en-us/power-bi/learning-catalog/

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Social Media : Meetup , LinkedIN, YouTube

meetup.com/The-Power-BI-Apprentice

Meetup

Start a new group

The Power BI Apprentice

London, United Kingdom

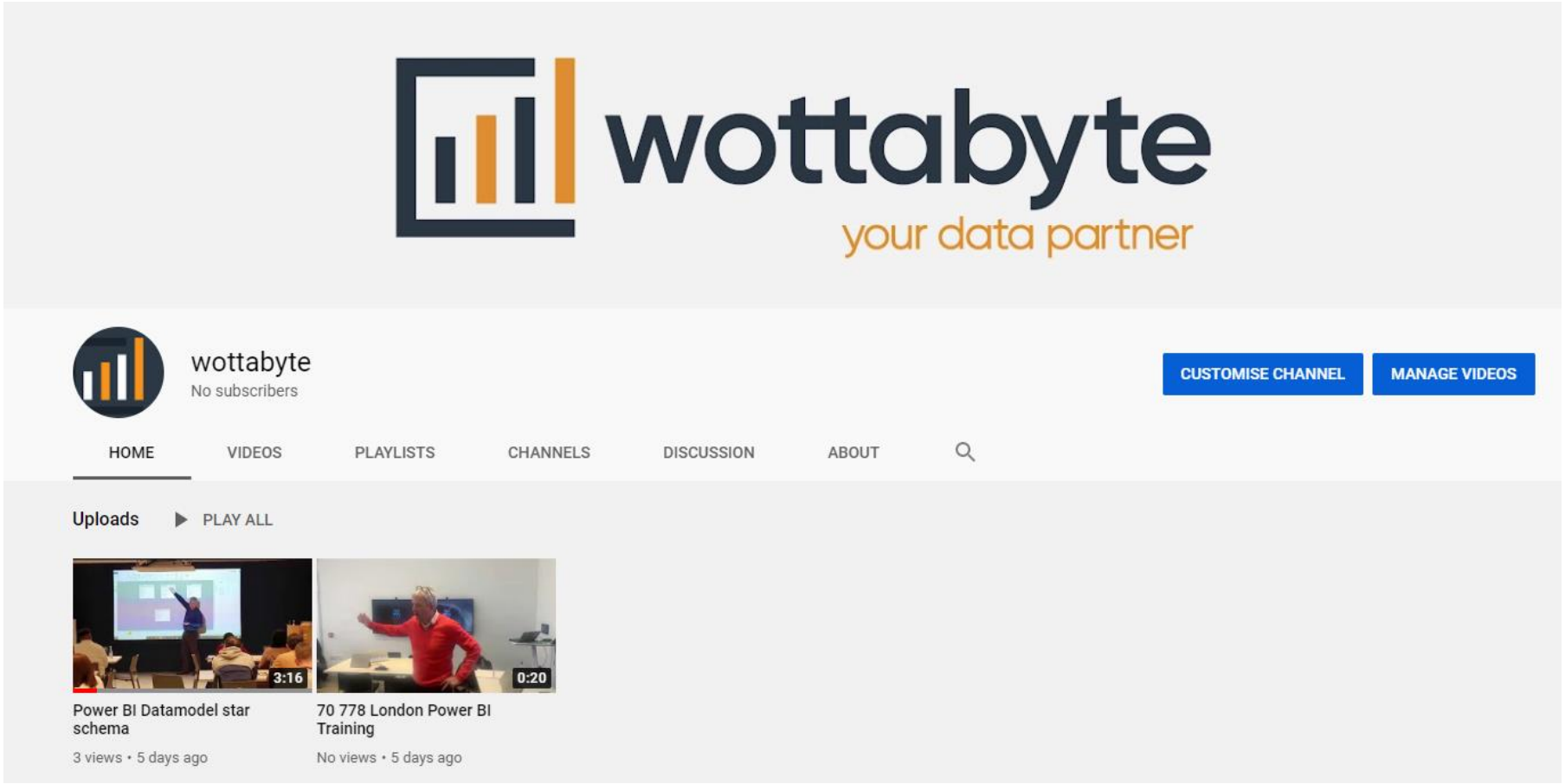
517 members · Public group

Organized by **David Moss**

Share:

You Tube

https://www.youtube.com/channel/UCDtmmwK3YxWqzDNZ5L3pdMw



The End

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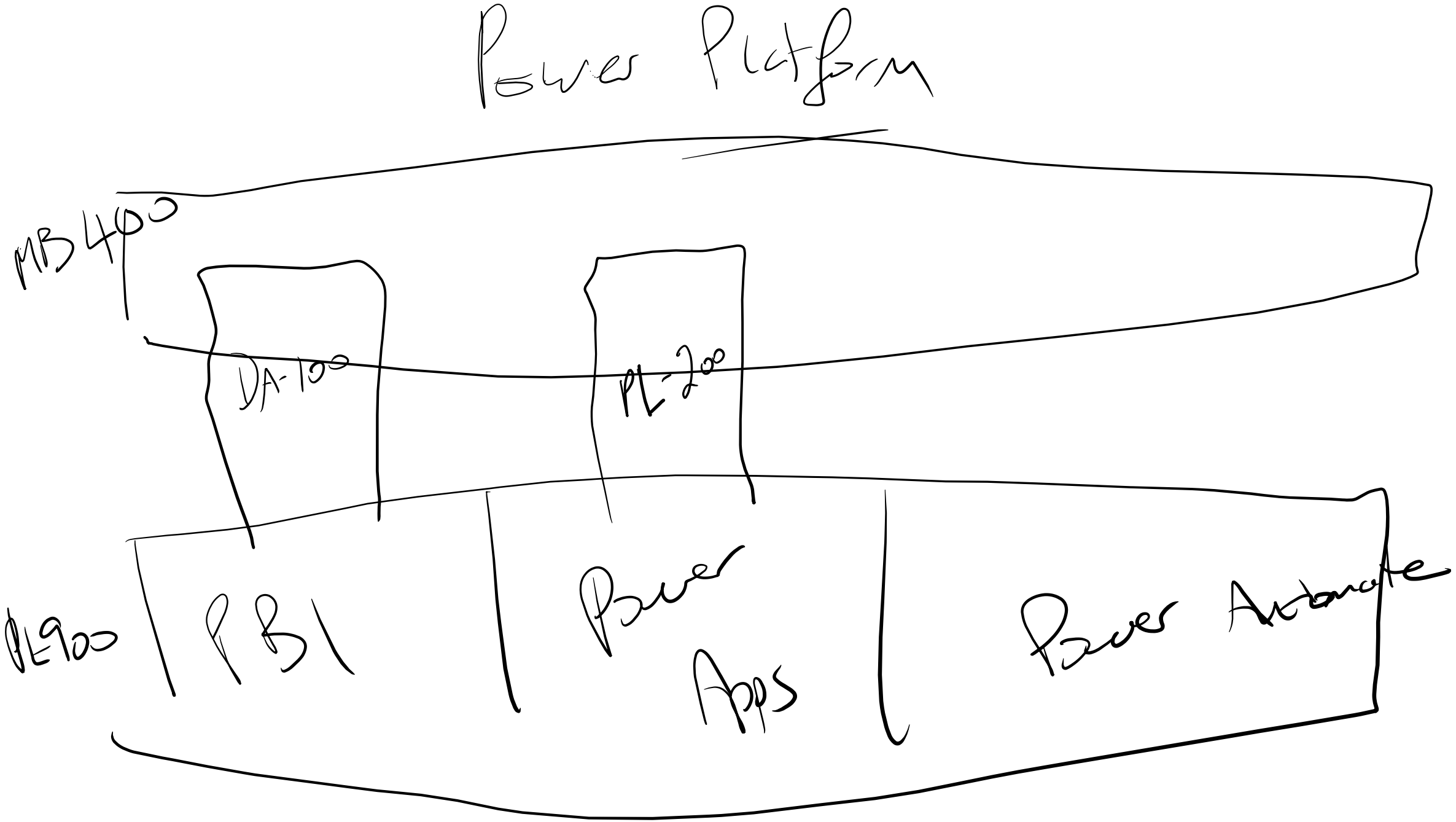
Power Platform
MB400
DA-100
PL-200
BL900
PBI
Power Apps
Power Automate

Power BI – LESSON 2 of 10

beginners free 10 weeks online training course

Power BI Week 2

Monday 25th Jan 2021

Use Power Query Editor to get data & prepare your data

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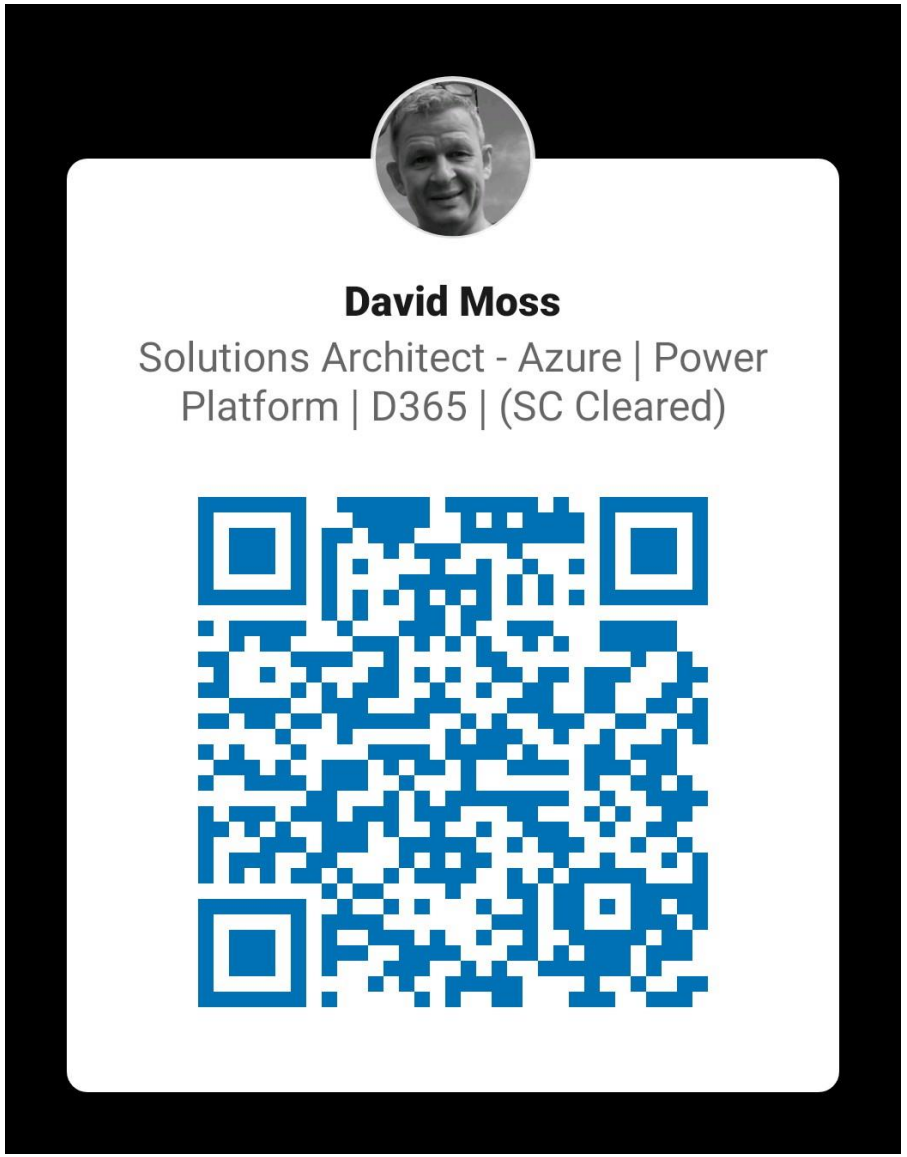
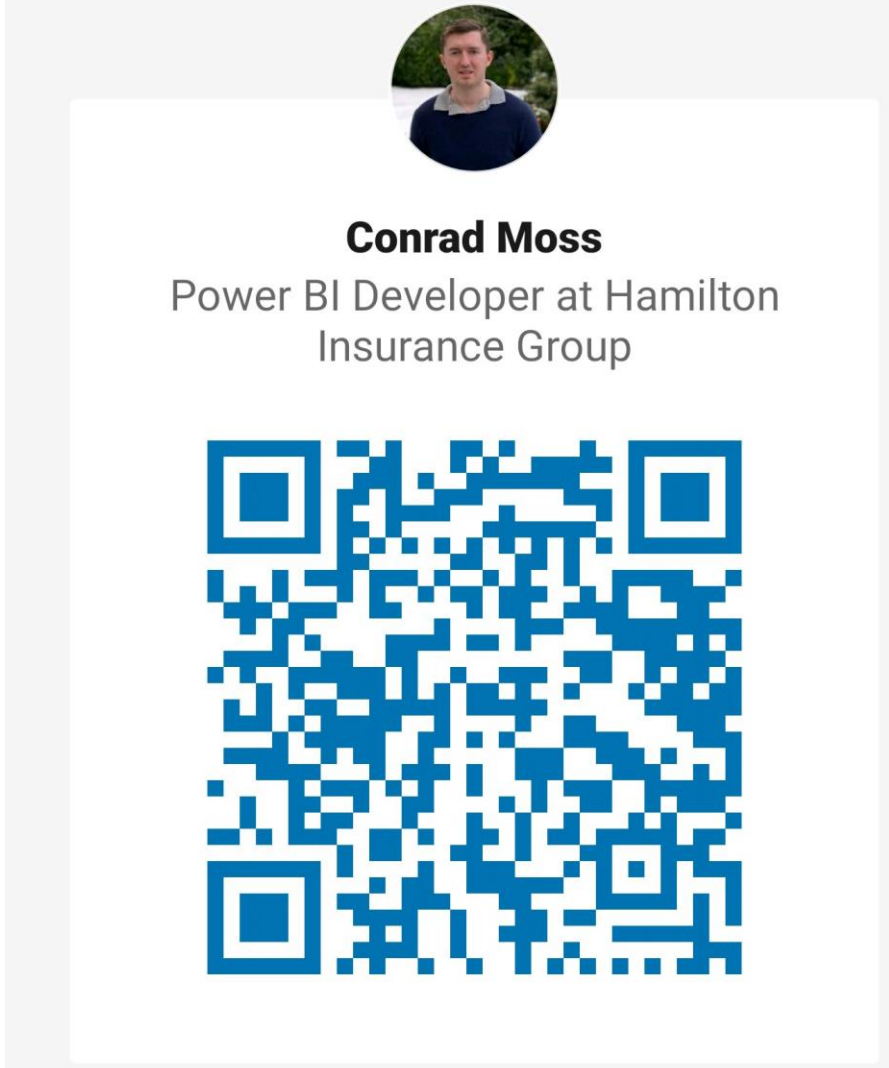
Linkedin : QR Codes





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Power BI Week 2

Monday 25th Jan 2021

- 1st a quick QUIZ !! www.mentimeter.com
- **50 24 12 1**
- https://www.menti.com/csb5wsjst2

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Power BI Week 2

Monday 25th Jan 2021

- 1st lets finish of Lesson 1
- Complete Power BI report from Lesson 1
- Sign up & login for Power BI Service account (needs a Microsoft a/c)
- Publish report to the Power BI service
- Explain what is Power BI Service basics
- Navigate report in Power BI Service
- Back to get & prepare data with Power Query Editor

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Complete Power BI report from Lesson 1

- Open blog https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-excel-stunning-report
- Demo a step
- Show finished report
- Save Power BI desktop report as .pbix locally
- Conrad demo

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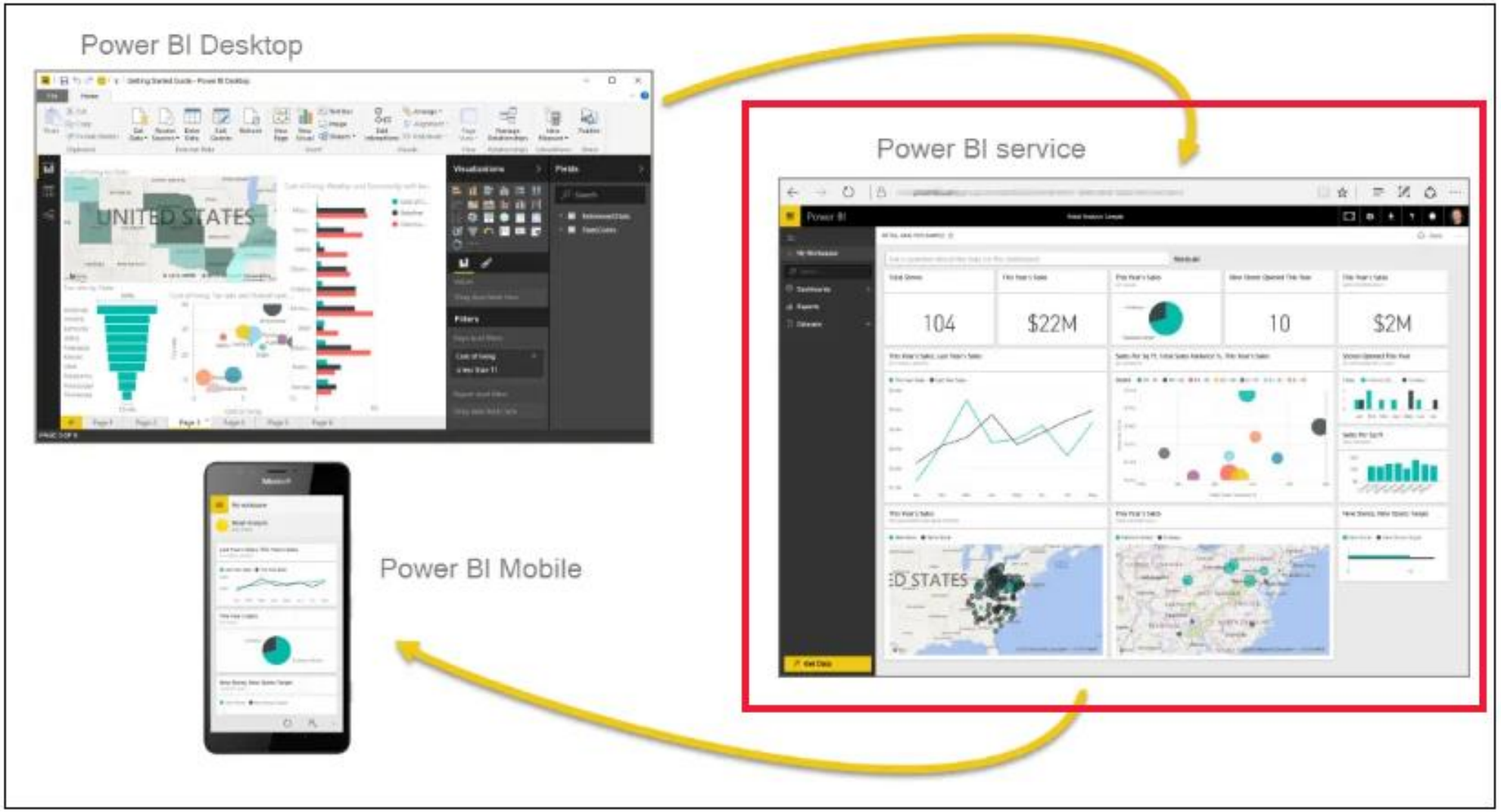
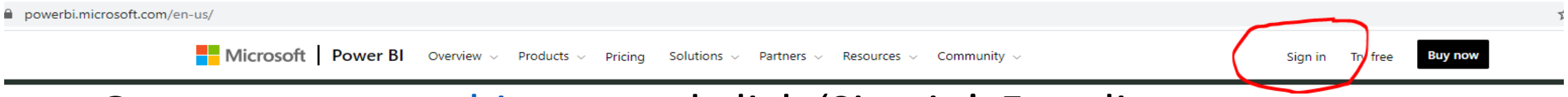
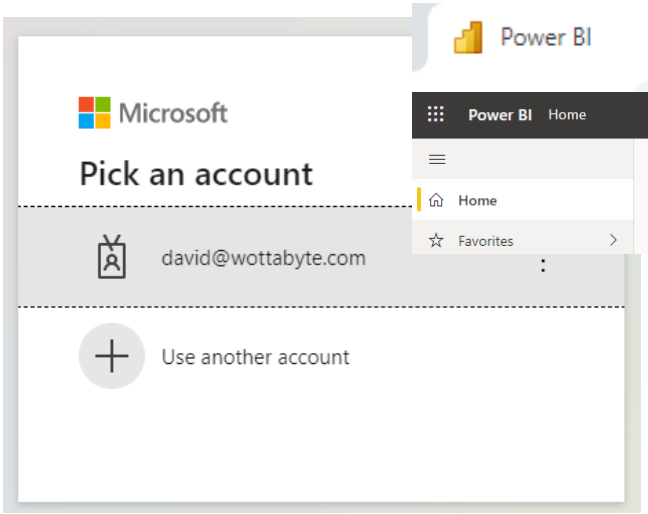
What is Power BI ?

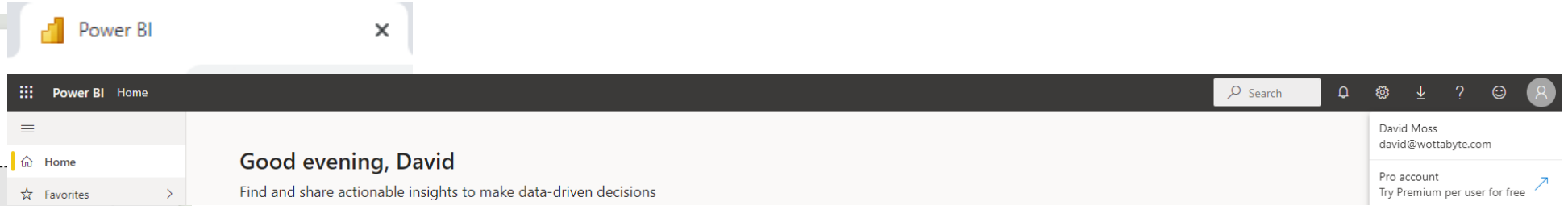


Create a Power BI Service account
Sign up & login with Power BI account (needs a Microsoft a/c)



- Goto www.powerbi.com and click 'Sign in'. Free license.
- Work or school a/c ? If none then create a Microsoft a/c but cannot use a gmail. https://docs.microsoft.com/en-us/power-bi/consumer/end-user-sign-in
- If fails we can help you during the workshop later this eve.
- Show Power BI Service Home page My workspace is blank.





Help @ Workshop if needed or read
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Quick Survey of audience

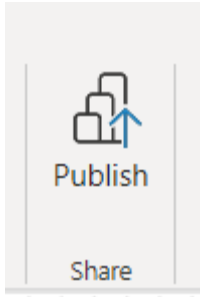
https://forms.office.com/Pages/ResponsePage.aspx?id=WkuituyrDEaGarPmYT9Z1NvMNOjKOFdHsnEJjP6WpoNUREdYRjdPUUQ0SzlQVzYzUEdJSkVKV1U5Ni4u

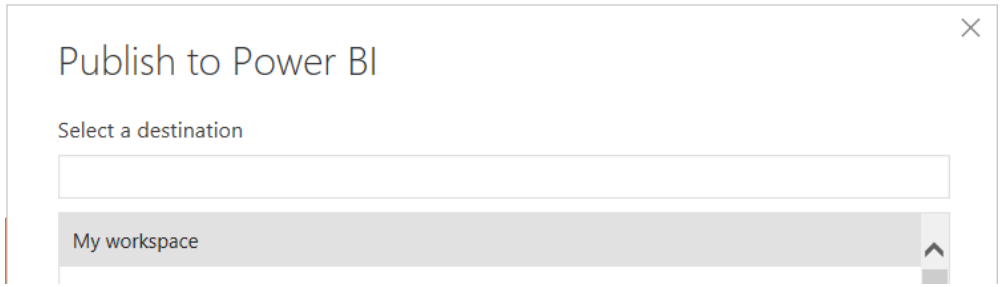
Student go to form and submit
Trainer display live online results in Power BI dashboard

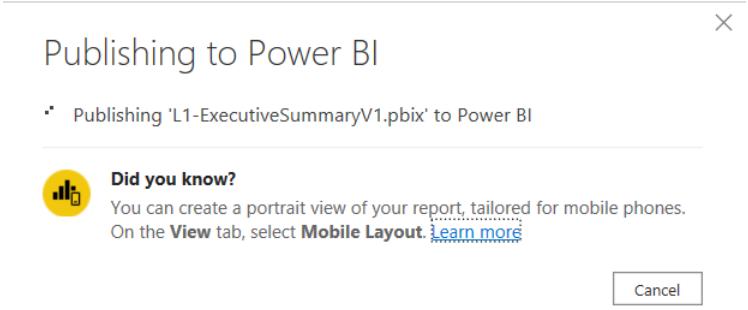
Publish to Power BI

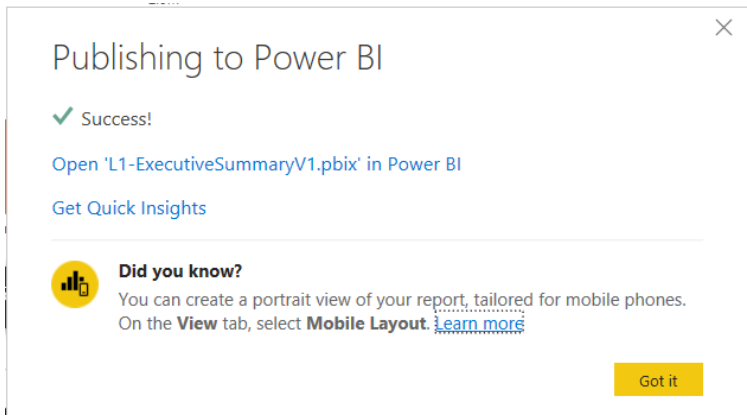
.pbix report

- Back in Power BI Desktop
- open .pbix then Click Publish
- Select My Workspace and click confirm.
- Check success message
- Goto www.powerbi.com
- Open My Workspace
- See you report
- Navigate report









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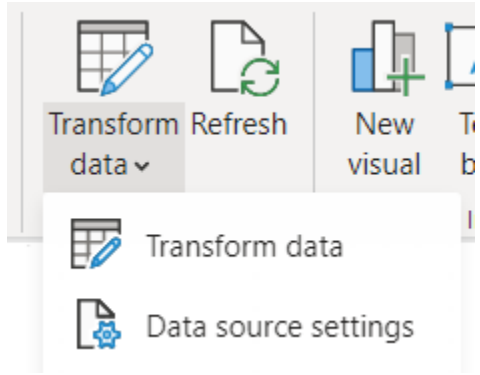
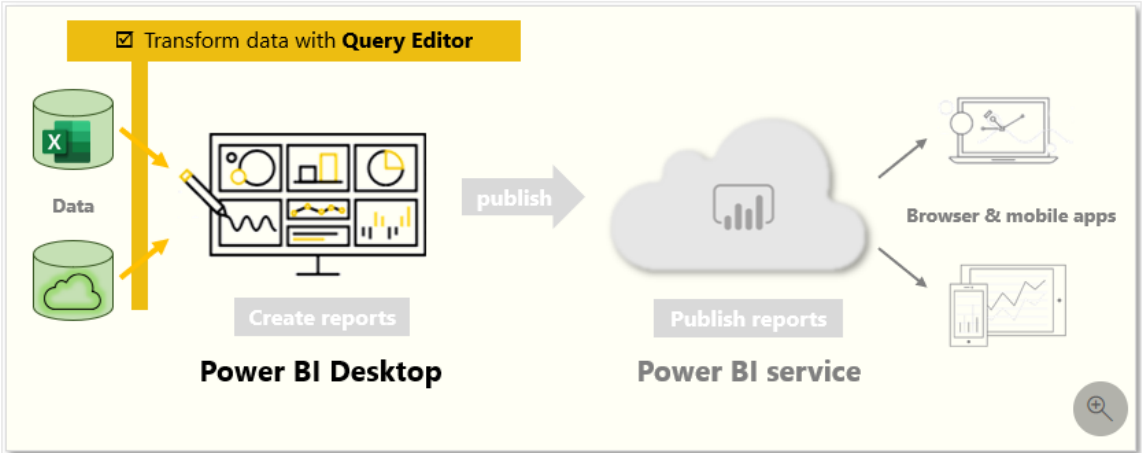
Power BI Week 2

Monday 25th Jan 2021

Use Power Query Editor to get data & prepare your data

- Back to get & prepare data with Power Query Editor
- From Power BI Desktop open Power Query Editor...how ?
- Show PQE features
- Power Query Language = M
- BTW it's the same in Excel
- Get data & transform as demo in Learn





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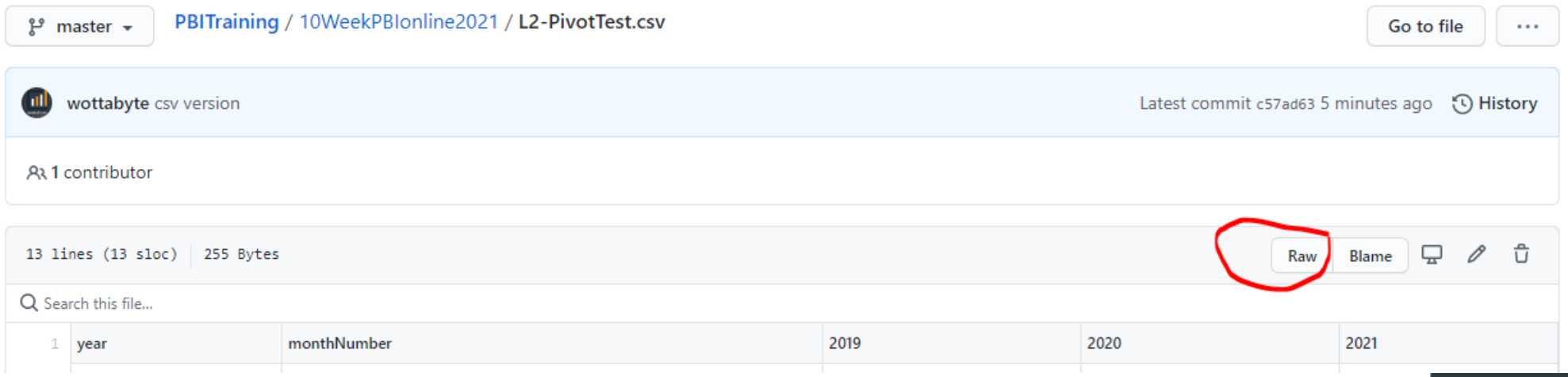
Power BI Week 2

Power Query Editor: Capitalize & UNpivot data demo

- Csv > raw ? See url : https://github.com/wottabyte/PBITraining/tree/master/10WeekPBIonline2021
- PQE use Web
- Lowercase then capitalize
- Pivot years
- Close & Apply



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Power BI Week 2 CourseWork

Monday 25th Jan 2021

- Microsoft Learn - Complete Learning Path ‘Prepare Data for analysis’
- Module – ‘Get data in Power BI
- Module – ‘Clean, transform and load data in Power BI
- Download the slides from GitHub

Prepare data for analysis

3 hr 26 min • Learning Path • 0 of 2 modules completed

Intermediate | Data Analyst | Power BI

Get data in Power BI

1 hr 25 min • Module • 0 of 12 units completed

★★★★★ 4.8 (2,587)

Clean, transform, and load data in Power BI

2 hr 1 min • Module • 0 of 10 units completed

★★★★★ 4.8 (2,754)

https://docs.microsoft.com/en-us/learn/paths/prepare-data-power-bi/

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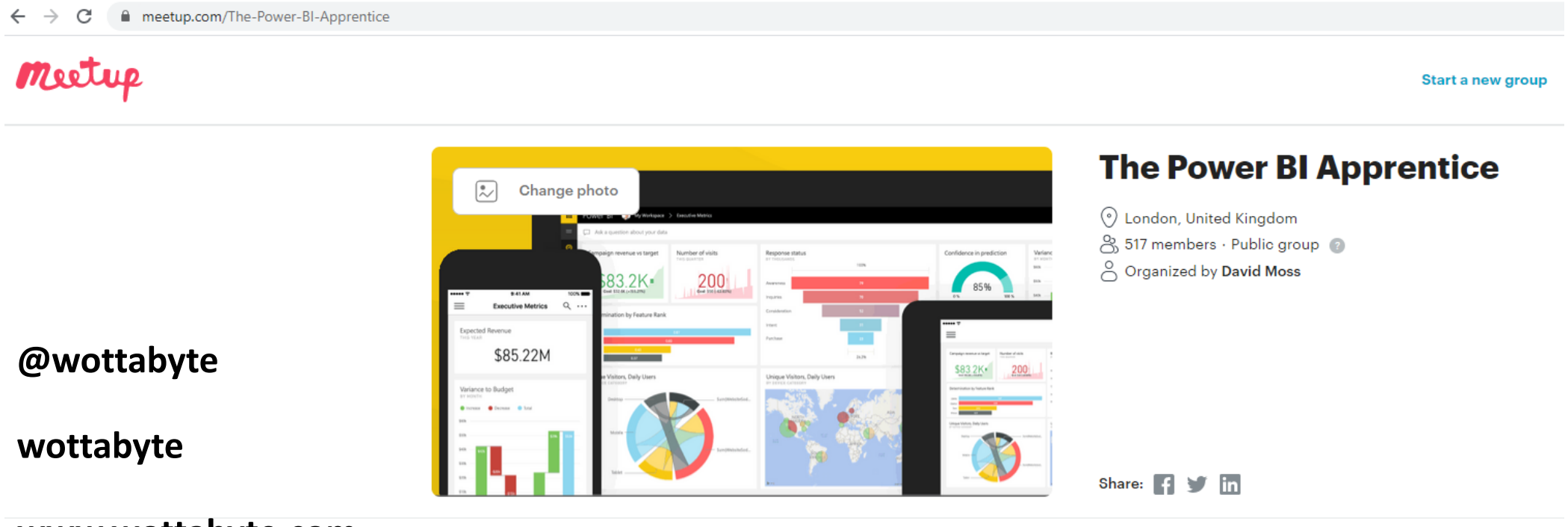
Social Media : Meetup , LinkedIN, YouTube



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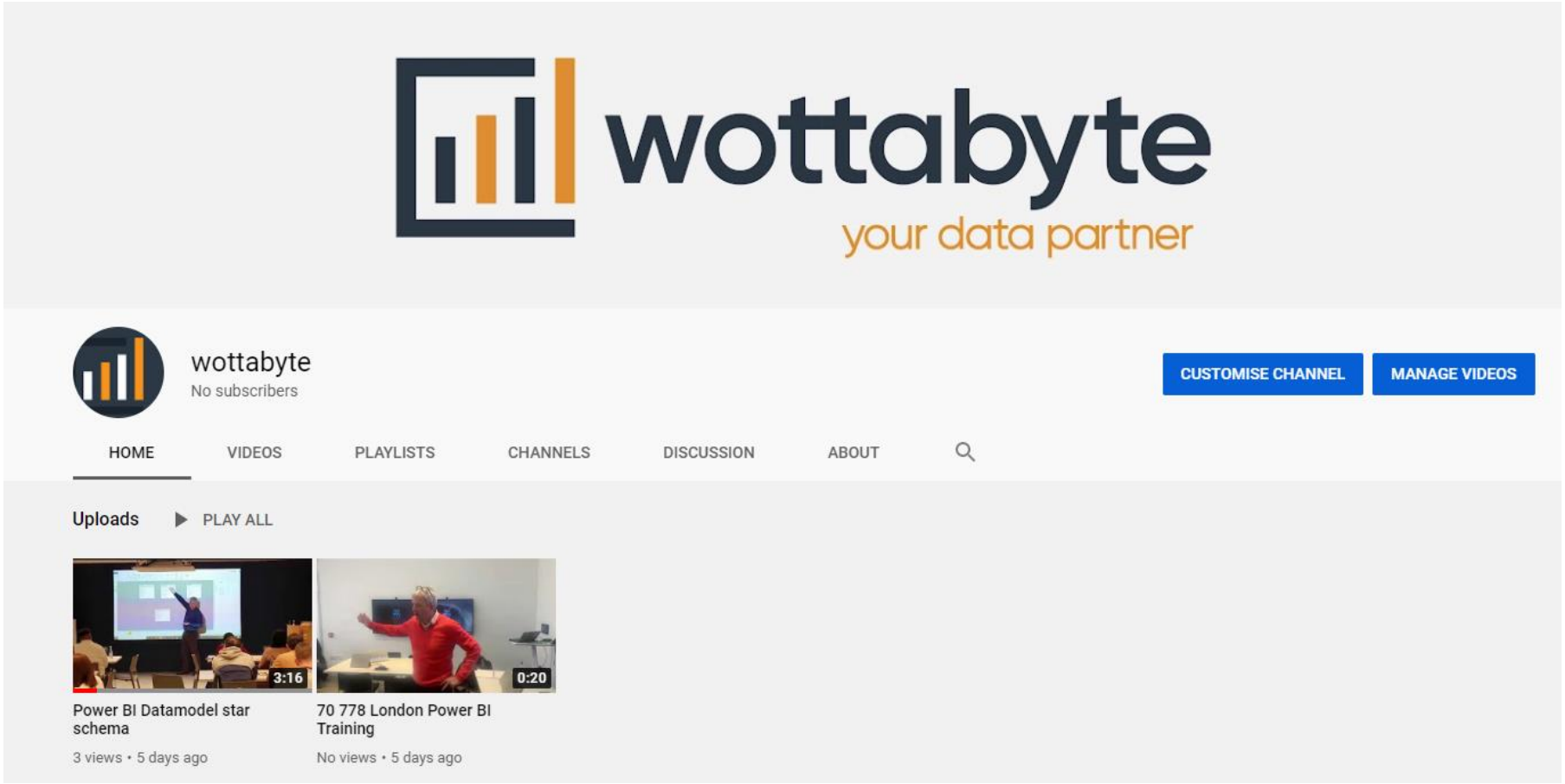
www.wottabyte.com

You Tube

https://www.youtube.com/channel/UCDtmmwK3YxWqzDNZ5L3pdMw



Power BI Week 3

1st February

Use Power BI desktop to structure & create datamodels

Watch your email & social media channels for when event goes live for registration.

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The End

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