

Power BI – Really short Intro.

What/How can we build with Power BI?

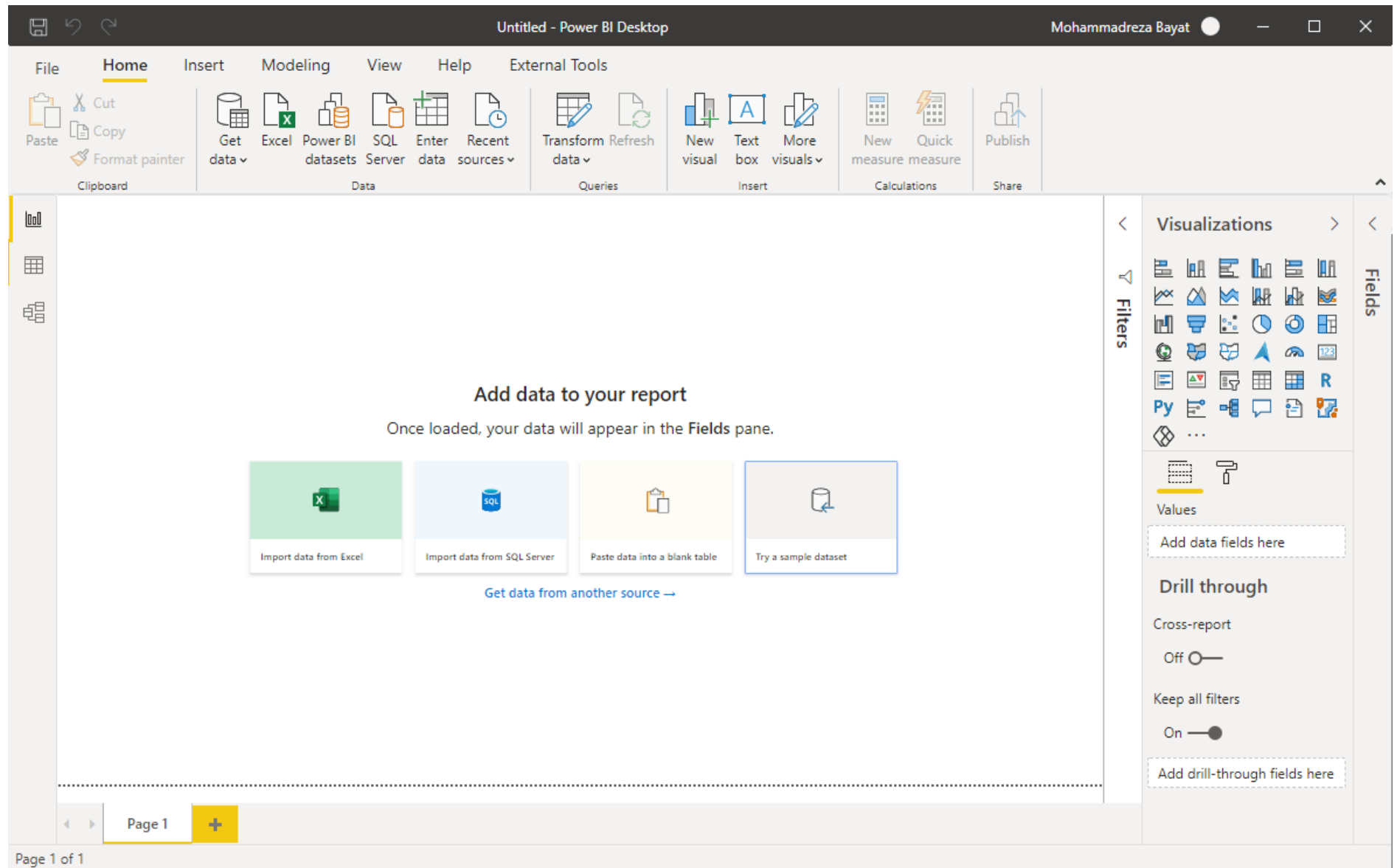


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IPD: Data Services

Apr. 14, 2021

New release of Power BI makes it easier to get started!



Three easy steps (almost 😊)

Receive data from multiple sources (on-prem or in the cloud) and define relations between the sources.



[Status Apr. 6, 2021]: 116 different sources

File	Database	Azure	Other
Excel	MySQL database	Azure SQL database	Web
Text/CSV	PostgreSQL database	Azure Synapse Analytics (SQL DW)	SharePoint list
XML	Sybase database	Azure Analysis Services database	OData Feed
JSON	Teradata database	Azure Database for PostgreSQL	Active Directory
Folder		Azure Blob Storage	Microsoft Exchange
PDF		Azure Table Storage	Hadoop File (HDFS)
SharePoint folder		Azure Cosmos DB	Spark

Detailed supported Power BI data sources

<https://docs.microsoft.com/en-us/power-bi/connect-data/power-bi-data-sources>

e.g.

Data source	Connect from	Connect and refresh from	DirectQuery / Live connection	Gateway (supported)	Gateway (required)	Power BI Dataflows
SharePoint Folder	Yes	Yes	No	Yes	No ⁴	Yes

Three easy steps (almost 😊)

Receive data from multiple sources (on-prem or in the cloud) and define relations between the sources.

Connect
data

Build
report

Share

1

2

3

4

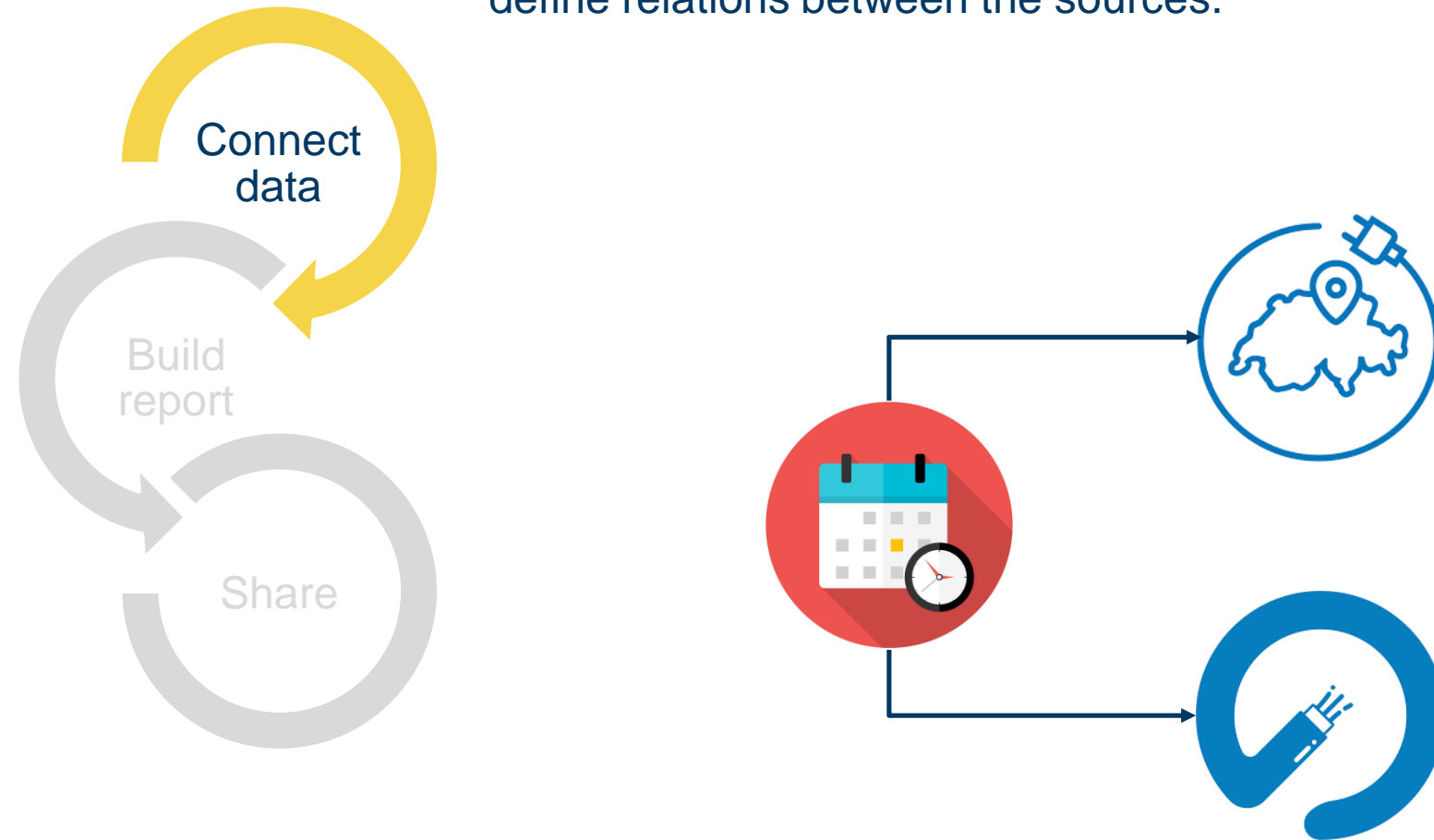
9 COLUMNS, 50 ROWS

PREVIEW DOWNLOADED AT 3:30 PM

Power Query is your friend!
Quickstart: [\[Link\]](#)

Three easy steps (almost 😊)

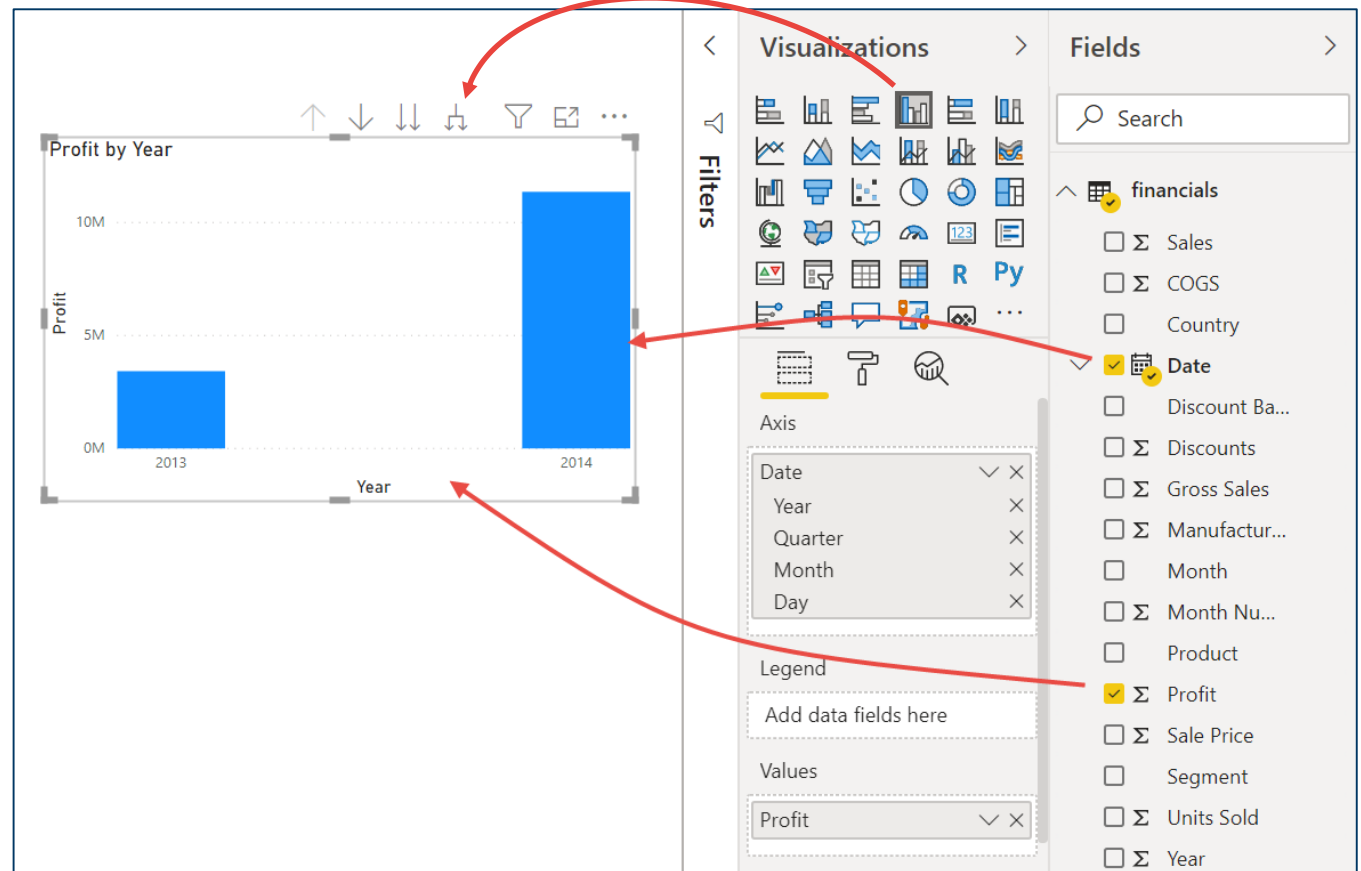
Receive data from multiple sources (on-prem or in the cloud) and define relations between the sources.



Three easy steps (almost 😊)

Turn data into insights:

- ready-to-use visualization diagrams



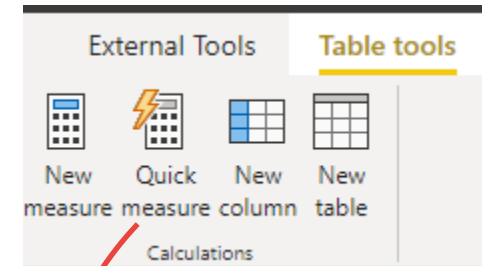
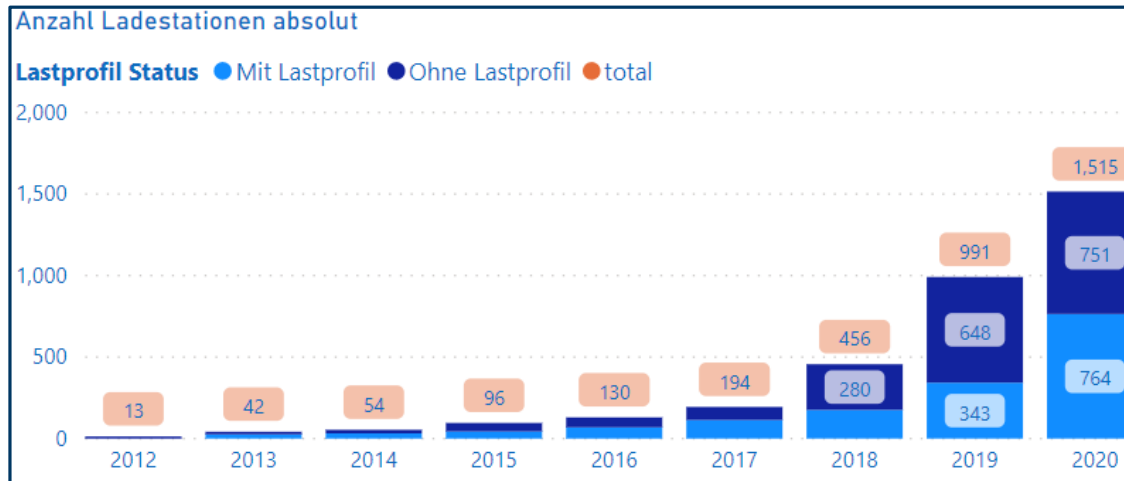
Three easy steps (almost 😊)

Turn data into insights:

- ready-to-use visualization diagrams
- build KPIs with DAX

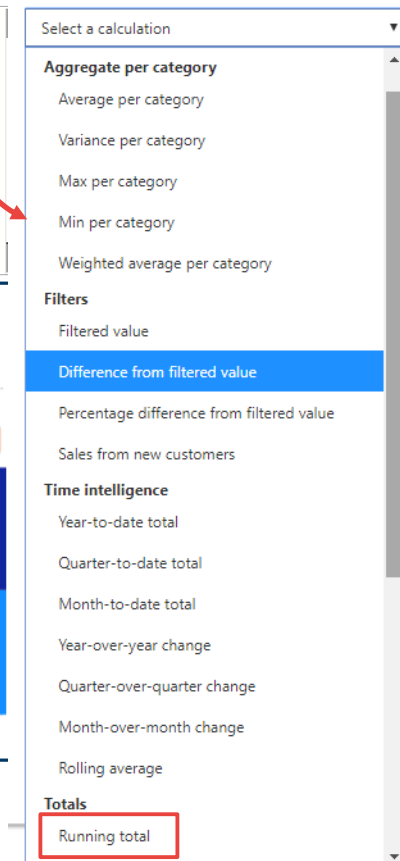


```
1 Anzahl Ladeinfrastruktur absolut = CALCULATE (
2     SUM ( 'E-Mob Infrastruktur'[Anzahl Ladeinfrastruktur] ),
3     FILTER (
4         ALLSELECTED ( Inbetriebnahmedatum ),
5         ISONORAFTER (
6             Inbetriebnahmedatum[_date_token], MAX ( Inbetriebnahmedatum[_date_token] ), DESC
7         )
8     )
9 )
```



Quick measures

Calculation



Connect data

Build report

Share

DAX Quick start [\[link\]](#)
DAX reference [\[link\]](#)

Three easy steps (almost 😊)

Easily share reports within your team or organization



ewz: Startseite Stadt Zürich Behzad MQTT Python Data Scier

Stadt Zürich | Power BI SMS-DIOP-PRD

SMS SMS-DIOP-PRD

+ New Create a pipeline

All Content Datasets + dataflows

	Name	Type
	Dashboard_Liste_Störschrieb	Report
	Dashboard_Liste_Störschrieb	Dataset
	E-Mob Dashboards	Report
	E-Mob Lastprofil - DataModel	Report

Share report

E-MOB DASHBOARDS

Share Access

Only users with Power BI Pro will have access to this report. Recipients will have the same access as you unless row-level security on the dataset further restricts them. [Learn more](#)

Grant access to

Dörig Stefan (ewz) X Enter email addresses

Include an optional message...

☐ Allow recipients to share your report

☐ Allow recipients to build new content using the underlying datasets

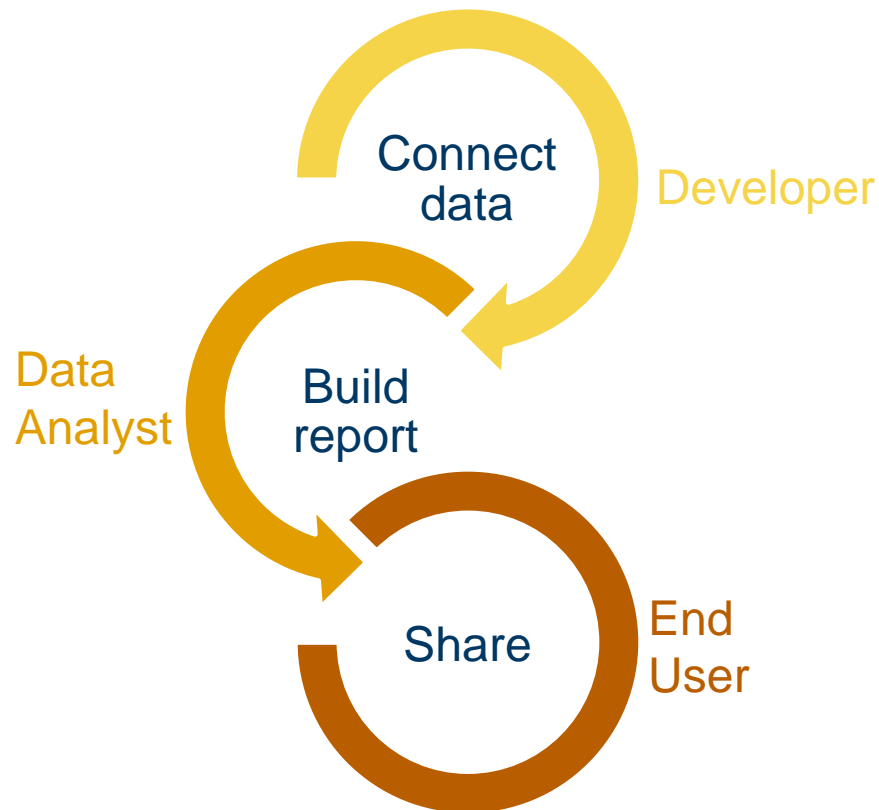
☒ Send an email notification to recipients

Report link ⓘ

<https://app.powerbi.com/groups/66c238f4-c97f-4c5a-af00-19a61b6eee81/report>

Share Cancel

What next?



Update reports and models automatically



Scale up (up to 400GB Data-Model)



Role-based access



Distribution through automatic pipelines



Share the underlying Data-Model



Auto ML

• ...