BUILD YOUR OWN CORONAVIRUS REPORT

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https://github.com/STATCowboy





Power BI Coronavirus Report Tutorial files for Blog Post





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Power BI Desktop

- Windows app to author self-service data driven analytic reports
- Install from Microsoft Store (monthly updates automagically!)

Power BI Service

- MS hosted service for publishing Power BI reports and dashboards
- http://app.powerbi.com

Power BI Mobile

• App for Windows, iOS (phones and tablets) & Android

On-premises Data Gateway

• Bridge to query & load data from on-premises data sources to Power BI Service

Power BI Report Server

• On-premises version of the PowerBI.com service (limited features than cloud version)

POWER BI OVERVIEW



M

- Used in Power Query for Data Wrangling
- https://docs.microsoft.com/en-us/powerquery-m/power-query-m-reference

DAX

- Used to create columns, measures, calculations in Power BI (in Excel, too!)
- https://docs.microsoft.com/en-us/dax/data-analysis-expressions-dax-reference

POWER BI LANGUAGES





Python

Supports Python for data wrangling and visualizations



R

Supports R for data wrangling and visualizations



Dataflows

Integrates Data Lake and ETL technology directly into Power BI

https://STATCowboy.com/power-bi-dataflows-enabling-bi-professionals-and-data-scientists/

POWER BI FEATURES





Power BI Desktop

It's Free!



Power BI Pro

Low price of \$9.99 month!

Publish to Power BI Service



Power BI Premium

Adds support for dedicated capacity and an enterprise pricing model and new features

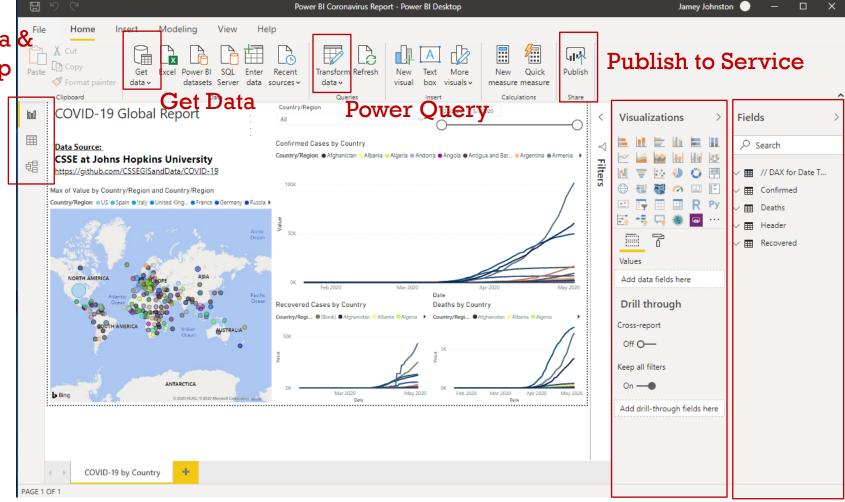
Varies by dedicated capacity needs (i.e. Nodes)

POWER BI LICENSING



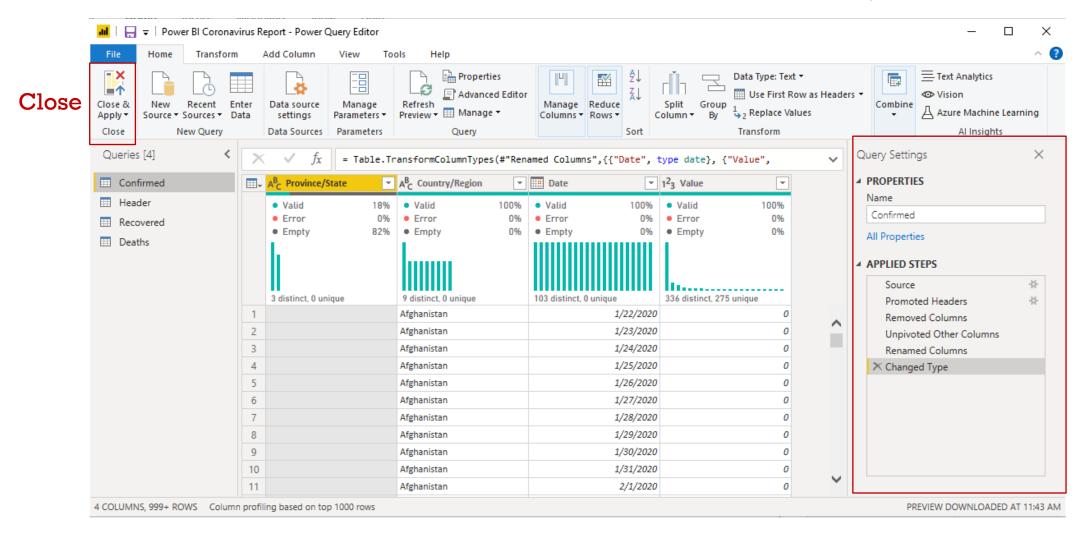
POWER BI DESKTOP

Report, Data & Relationship View

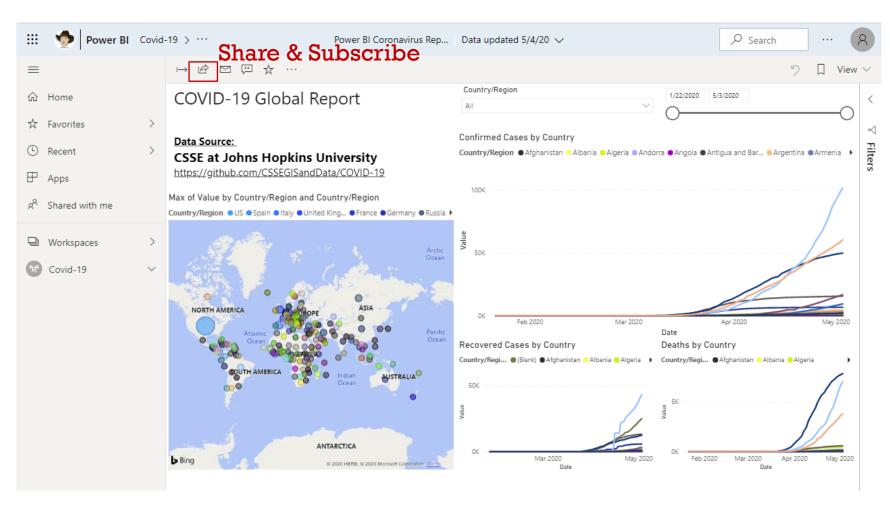




POWER BI DESKTOP — POWER QUERY

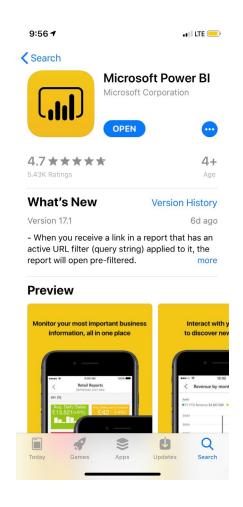


POWER BI SERVICE





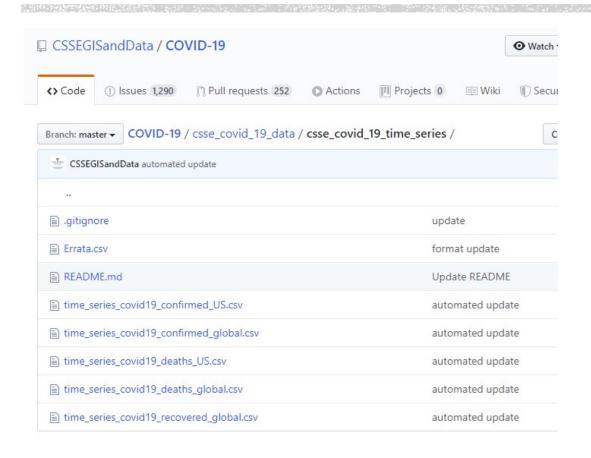




POWER BI MOBILE

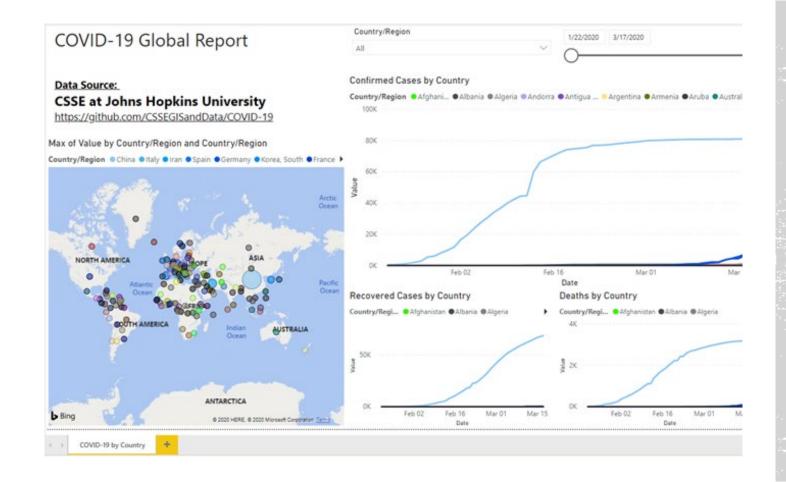


COVID-19 DATA REPOSITORY



- Center for Systems Science and Engineering (CSSE) @ Johns Hopkins University
- GitHub
- Daily time series summary tables including confirmed, deaths and recovered
- https://github.com/CSSEGISandData/COVID-19





LEARN POWER BI & BUILD YOUR OWN CORONAVIRUS REPORT



Power BI Docs & Blog

- https://powerbi.microsoft.com/en-us/blog/
- https://docs.microsoft.com/en-us/power-bi/

Guy in a Cube YouTube Channel

- https://quyinacube.com/
- https://www.youtube.com/channel/UCFplvaKzpfvoGai0vE5VJ0w

Power BI YouTube Channel

• https://www.youtube.com/user/mspowerbi

RADACAD

• http://radacad.com/

SQL BI

- https://www.sqlbi.com/
- https://dax.guide

RESOURCES



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