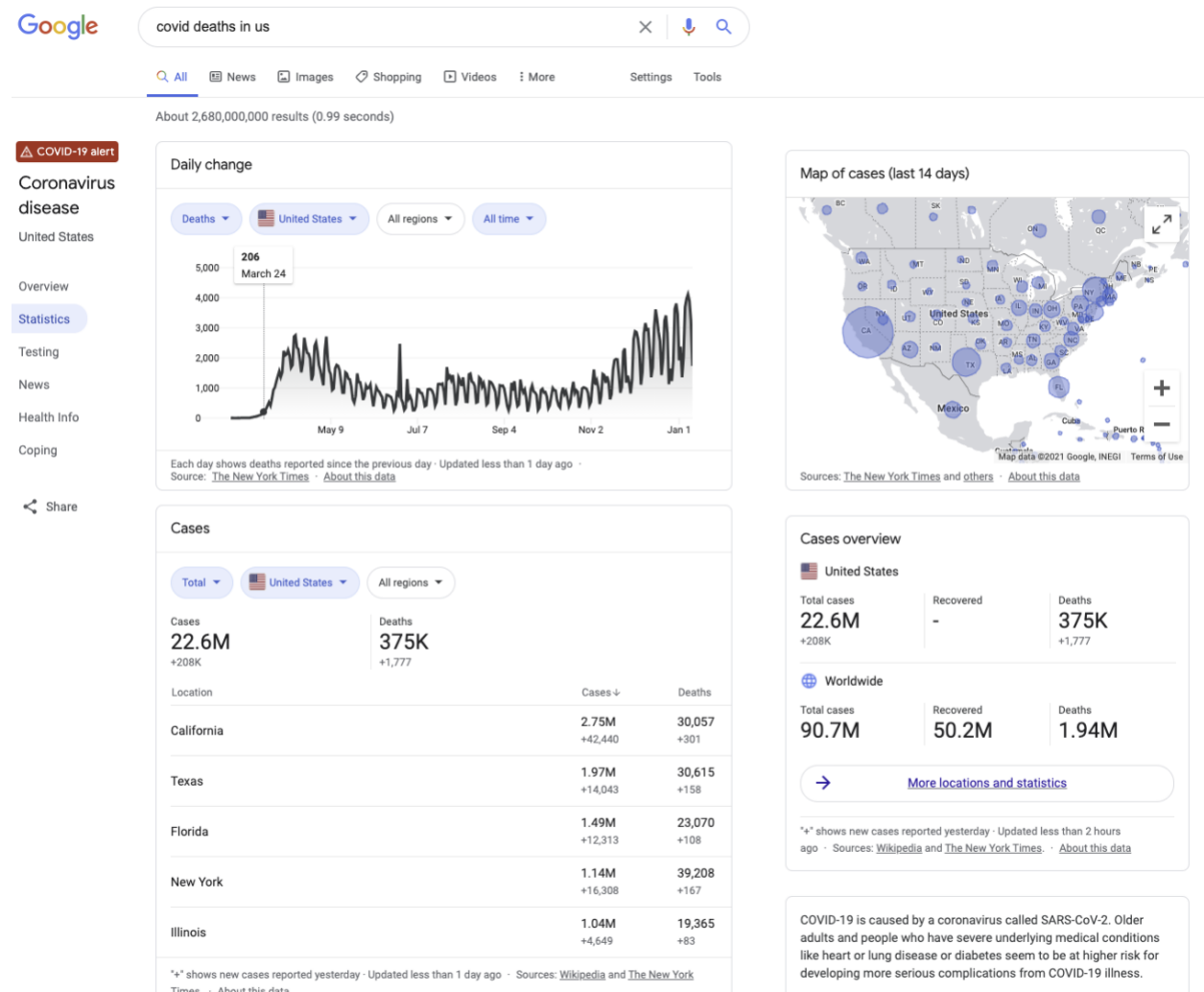
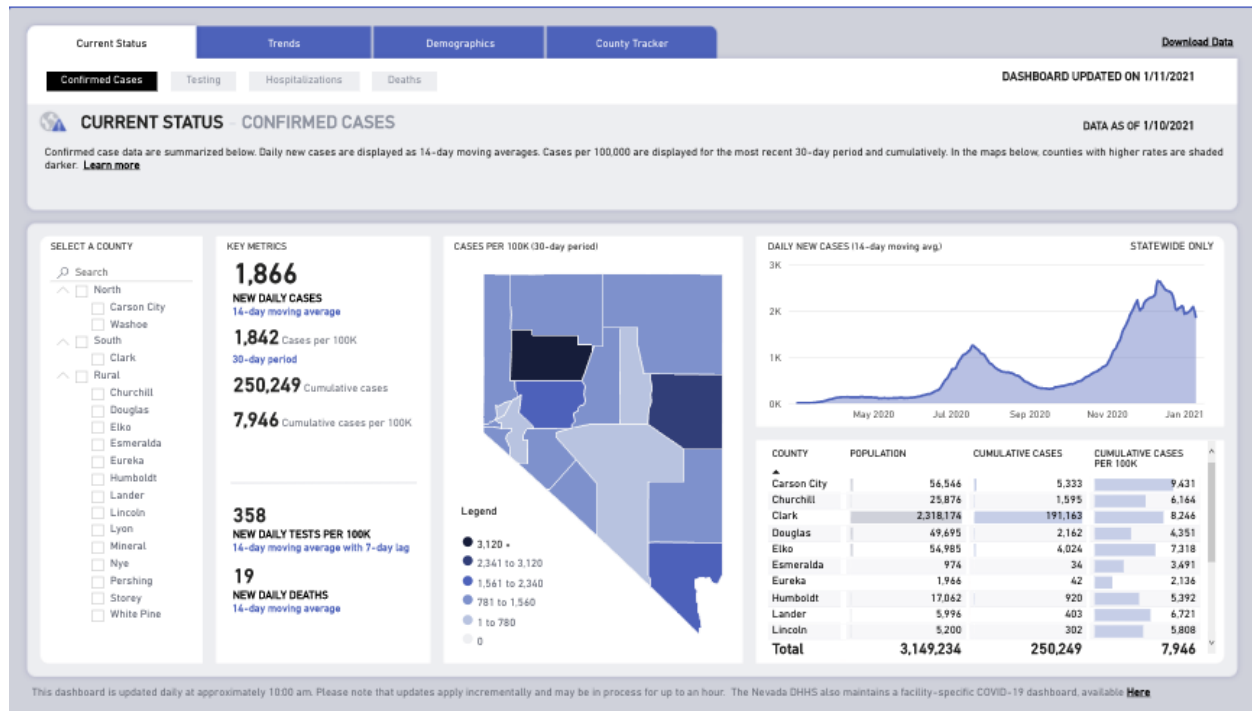


# Covid-19 Dashboards Power BI Workshop

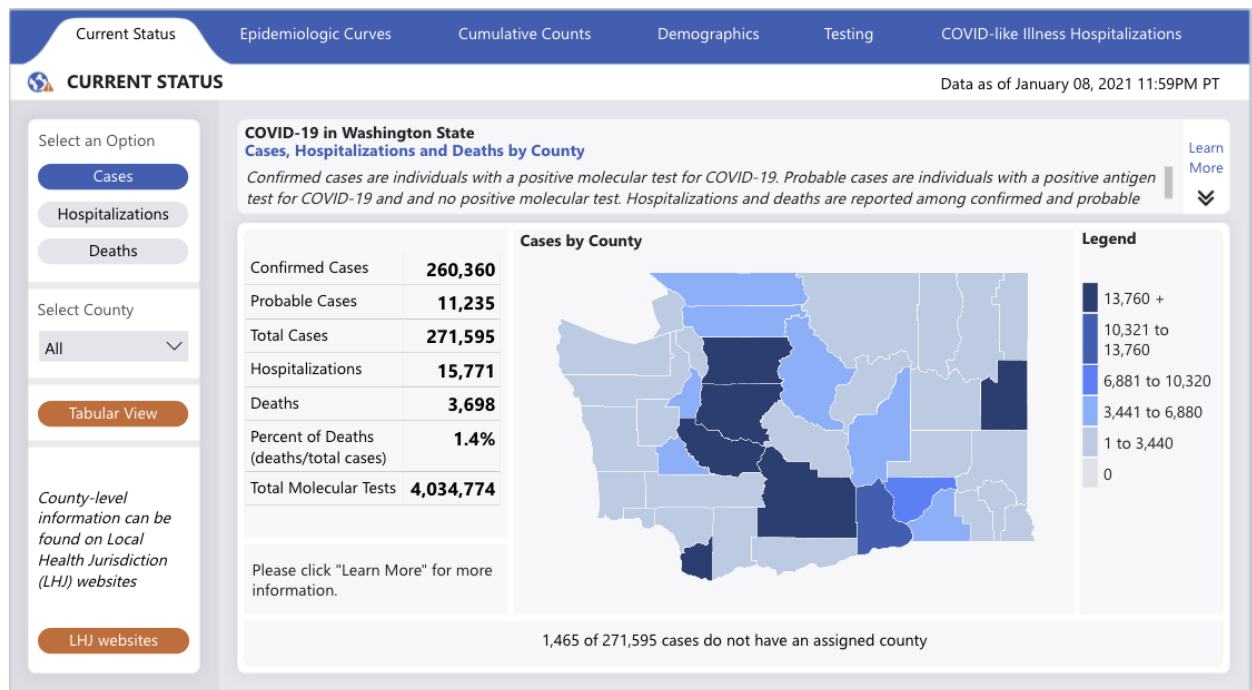
[https://www.google.com/search?xsrf=ALeKk036frTWvnD1JYRNWEF4hHYhPB0-0g%3A1610051516649&ei=vG\\_3X9mHJ5S\\_0PEPwpe5wAE&q=covid+deaths+in+us&oq=covid+deaths+in+us&gs\\_lcp=CgZwc3ktYWIQAzINCAAQsQMqgwEQyQMQQzIICAAQsQMqgwEyCAgAELEDEIMBMgIIADICCAyAggAMgUIABCxAzIFCAAQsQMyBQgAELEDMgIIAFAAWABg-fC1AWgAcAB4AIABOogBOplBATGYAQcQaQdnd3Mtd2I6wAEB&sclient=psy-ab&ved=0ahUKEwjZ1eCl1YruAhWUHhQIHcJLDhgQ4dUDCA0&uact=5](https://www.google.com/search?xsrf=ALeKk036frTWvnD1JYRNWEF4hHYhPB0-0g%3A1610051516649&ei=vG_3X9mHJ5S_0PEPwpe5wAE&q=covid+deaths+in+us&oq=covid+deaths+in+us&gs_lcp=CgZwc3ktYWIQAzINCAAQsQMqgwEQyQMQQzIICAAQsQMqgwEyCAgAELEDEIMBMgIIADICCAyAggAMgUIABCxAzIFCAAQsQMyBQgAELEDMgIIAFAAWABg-fC1AWgAcAB4AIABOogBOplBATGYAQcQaQdnd3Mtd2I6wAEB&sclient=psy-ab&ved=0ahUKEwjZ1eCl1YruAhWUHhQIHcJLDhgQ4dUDCA0&uact=5)



<https://nvhealthresponse.nv.gov/>

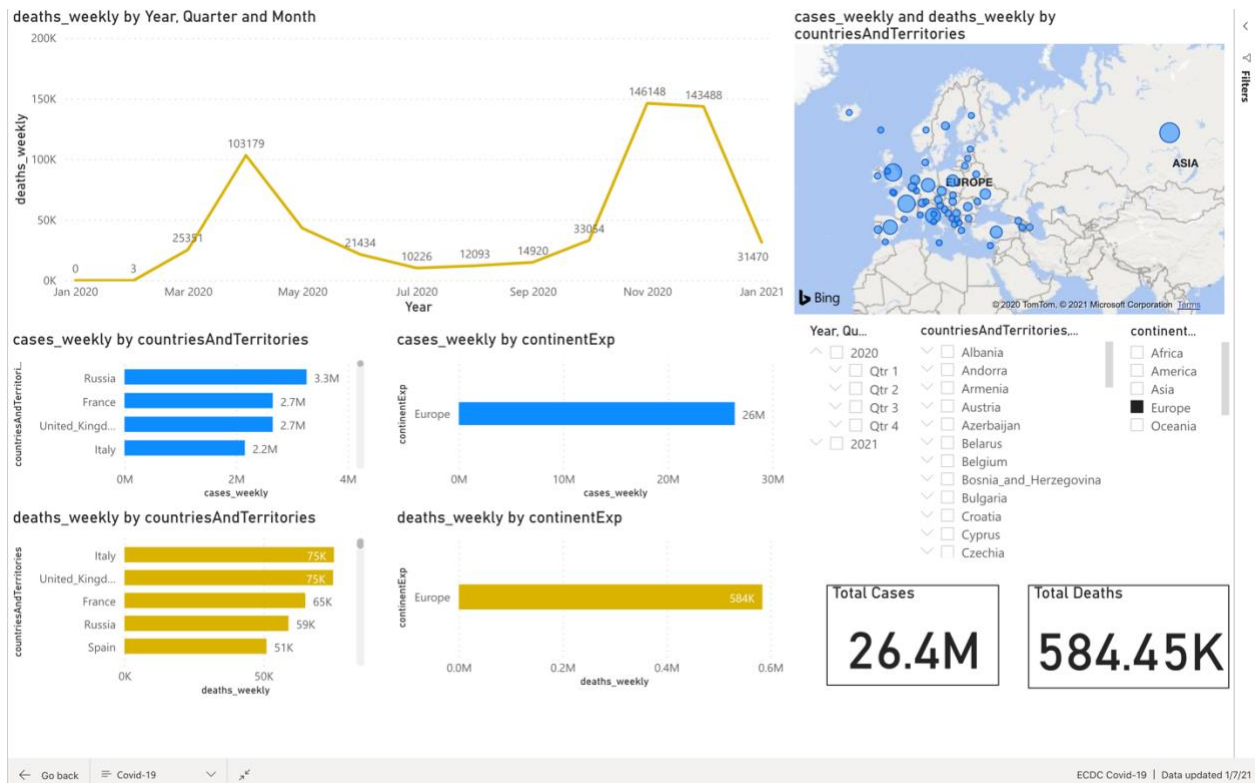


<https://www.doh.wa.gov/Emergencies/COVID19/DataDashboard>



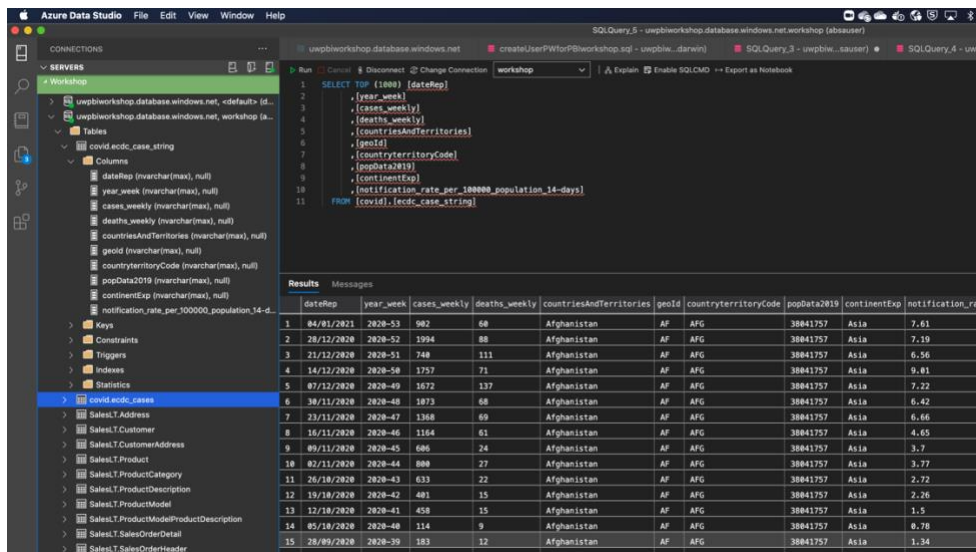
# Workshop Exercise

## Build this Covid-19 Dashboard



## Steps

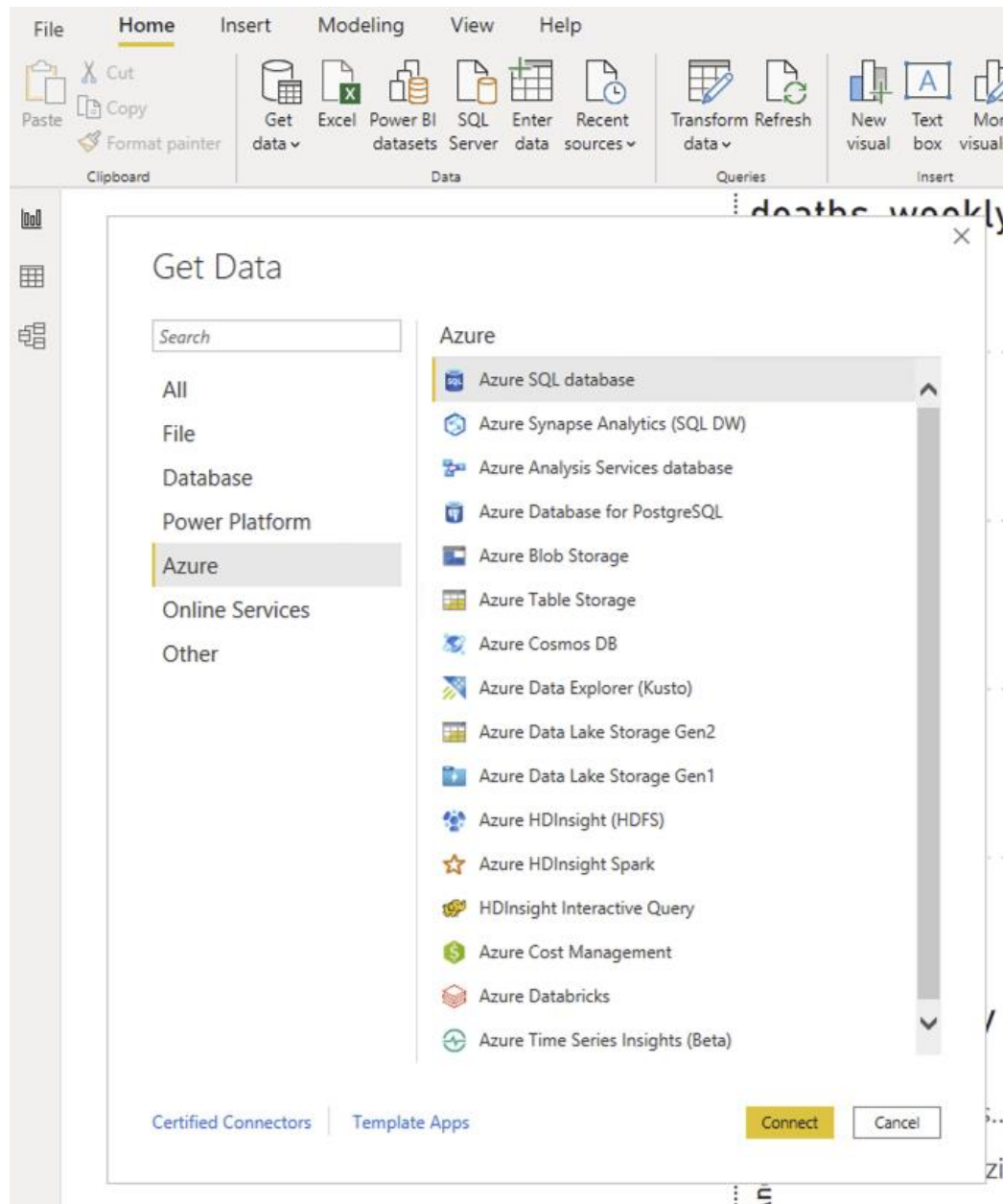
- 1) Open Azure Data Studio and query covid.ecdc\_case\_string  
This the dataset you will be using



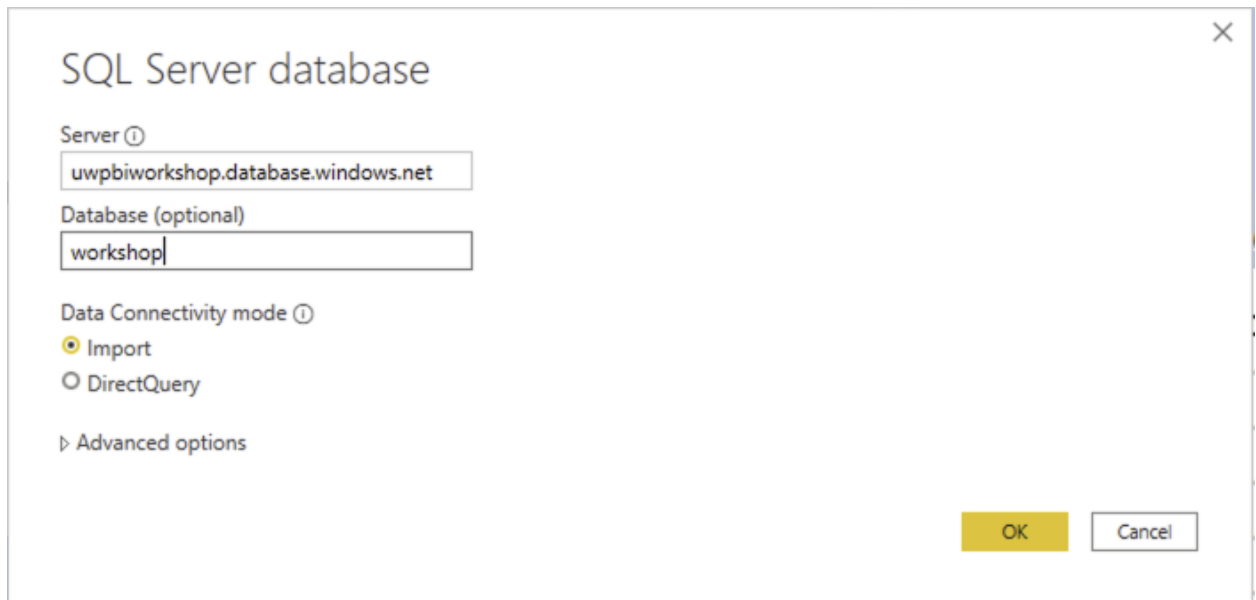
2) Open Power BI Desktop and connect to the database

Connection type: Microsoft SQL Server  
Database Server: uwpbworkshop.database.windows.net  
Authentication type: SQL Login  
User Name: absauser  
Password: L3@rnPBI  
Database: workshop

Get Data and connect to Azure SQL database.



Enter Database Server and Database



SQL Server database

Server ⓘ  
uwpbiworkshop.database.windows.net

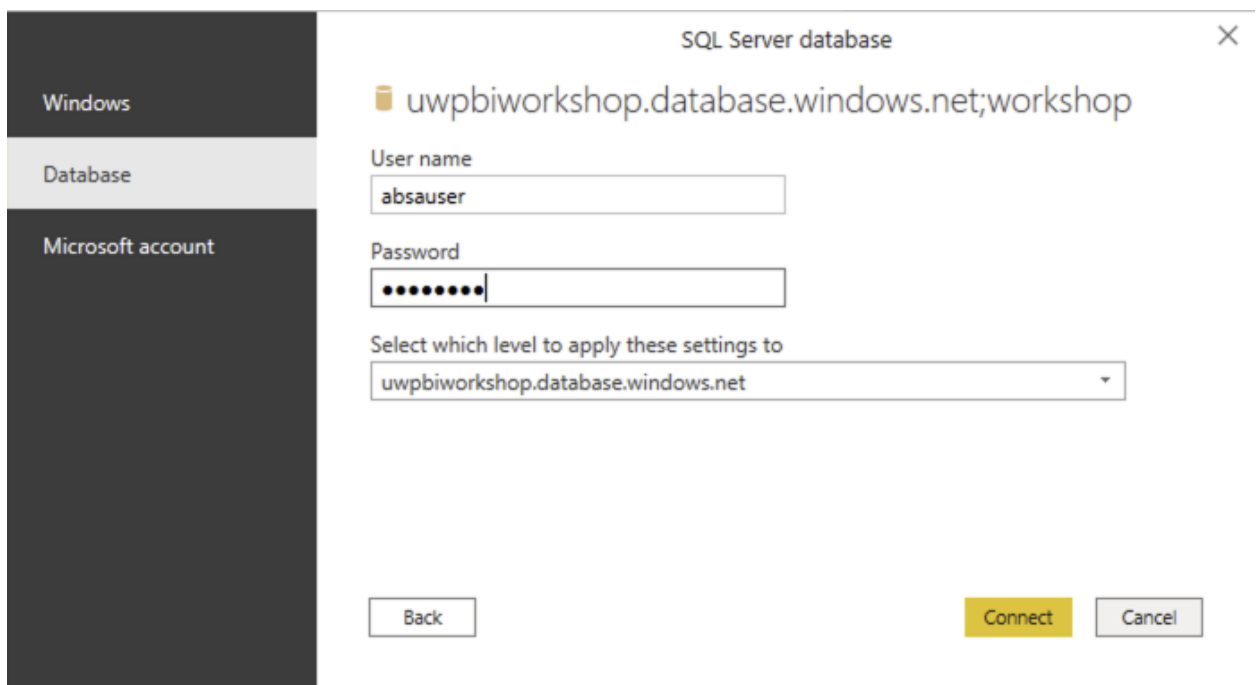
Database (optional)  
workshop

Data Connectivity mode ⓘ  
☒ Import  
☐ DirectQuery

▸ Advanced options

OK Cancel

On the Database tab enter User name: absauser and Password: L3@rnPBI



SQL Server database

Windows  
Database  
Microsoft account

uwpbiworkshop.database.windows.net;workshop

User name  
absauser

Password  
••••••••

Select which level to apply these settings to  
uwpbiworkshop.database.windows.net

Back Connect Cancel

### 3) Transform Data

Select covid.edc\_case\_string and click the **Transform Data** button

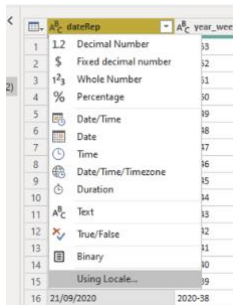
The screenshot shows the Power BI Navigator window. On the left, under 'Display Options', the table 'covid.edc\_case\_string' is selected. The right pane shows a preview of the table data. At the bottom right, the 'Transform Data' button is highlighted in yellow.

dateRep	year_week	cases_weekly	deaths_weekly	countriesAndTerritori
04/01/2021	2020-53	902	60	Afghanistan
28/12/2020	2020-52	1994	88	Afghanistan
21/12/2020	2020-51	740	111	Afghanistan
14/12/2020	2020-50	1757	71	Afghanistan
07/12/2020	2020-49	1672	137	Afghanistan
30/11/2020	2020-48	1073	68	Afghanistan
23/11/2020	2020-47	1368	69	Afghanistan
16/11/2020	2020-46	1164	61	Afghanistan
09/11/2020	2020-45	606	24	Afghanistan
02/11/2020	2020-44	800	27	Afghanistan
26/10/2020	2020-43	633	22	Afghanistan
19/10/2020	2020-42	401	15	Afghanistan
12/10/2020	2020-41	458	15	Afghanistan
05/10/2020	2020-40	114	9	Afghanistan
28/09/2020	2020-39	183	12	Afghanistan
21/09/2020	2020-38	328	21	Afghanistan
14/09/2020	2020-37	318	8	Afghanistan
07/09/2020	2020-36	236	10	Afghanistan
31/08/2020	2020-35	163	15	Afghanistan
24/08/2020	2020-34	403	12	Afghanistan
17/08/2020	2020-33	542	63	Afghanistan
10/08/2020	2020-32	344	28	Afghanistan
03/08/2020	2020-31	447	15	Afghanistan

Change the data type to whole number for **cases\_weekly**, **deaths\_weekly**, **popData2019**  
Change the data type to decimal number for **notification\_rate\_per\_100000\_population\_14-days**  
Change the data type to date for **dateRep**

**dateRep** is bit challenging since it is in European format

Choose Using Locale



Choose Date data type and English (United Kingdom) Locale

### Change Type with Locale

Change the data type and select the locale of origin.

Data Type  
Date

Locale  
English (United Kingdom)

Sample input values:

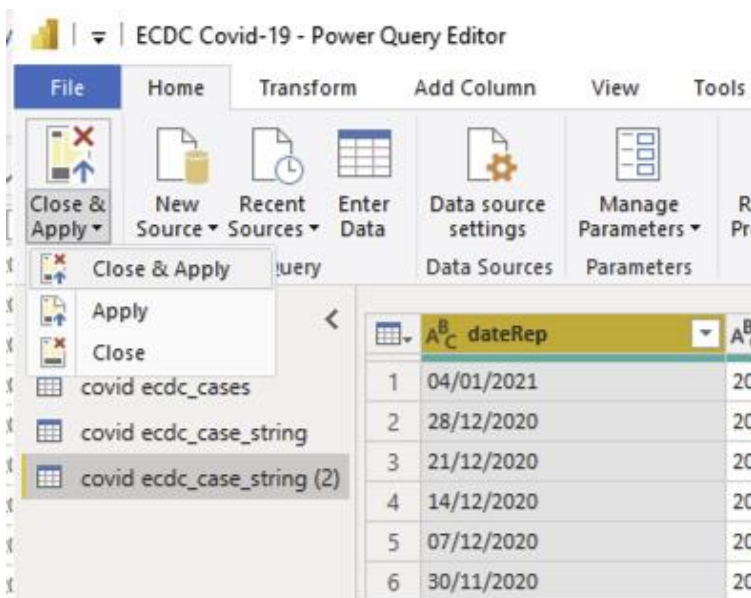
29/03/2016  
29 March 2016  
29 March  
March 2016

OK Cancel

ECDC Covid-19 - Power Query Editor

	dateRep	year_week	cases_weekly	deaths_weekly	countryIso2	continent	countryterritoryCode	propShare2019	continentExp	modification_case_per_100000_population_14-days
1	04/01/2021	2020-51	802	80	Alghemisan	AF	AFG	38041757	Asia	7.81
2	12/06/2020	2020-51	1394	89	Alghemisan	AF	AFG	38041757	Asia	7.19
3	12/01/2020	2020-51	740	111	Alghemisan	AF	AFG	38041757	Asia	6.56
4	12/04/2020	2020-50	1757	71	Alghemisan	AF	AFG	38041757	Asia	9.01
5	12/7/2020	2020-49	1872	137	Alghemisan	AF	AFG	38041757	Asia	7.22
6	11/09/2020	2020-48	1073	68	Alghemisan	AF	AFG	38041757	Asia	6.42
7	11/03/2020	2020-47	1356	69	Alghemisan	AF	AFG	38041757	Asia	6.66
8	11/06/2020	2020-46	1184	61	Alghemisan	AF	AFG	38041757	Asia	4.85
9	11/9/2020	2020-45	806	24	Alghemisan	AF	AFG	38041757	Asia	3.7

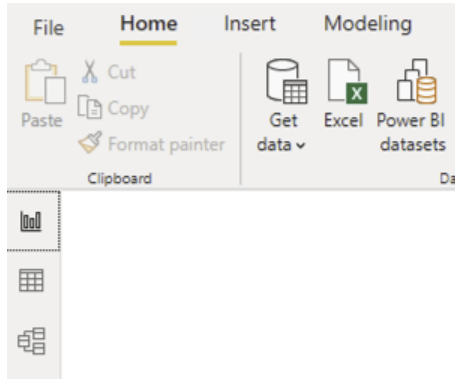
Click Close & Apply



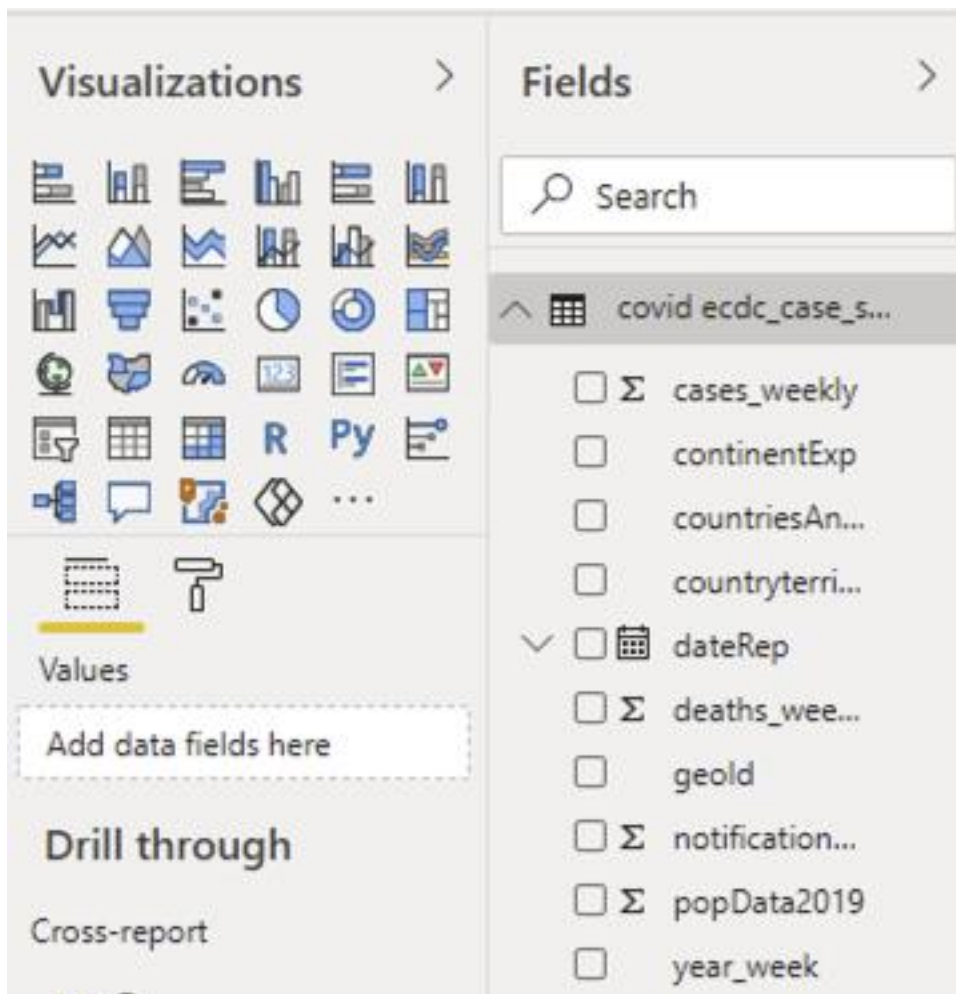


#### 4) Create a Report

Have a look at the Report, Data, and Model Tabs

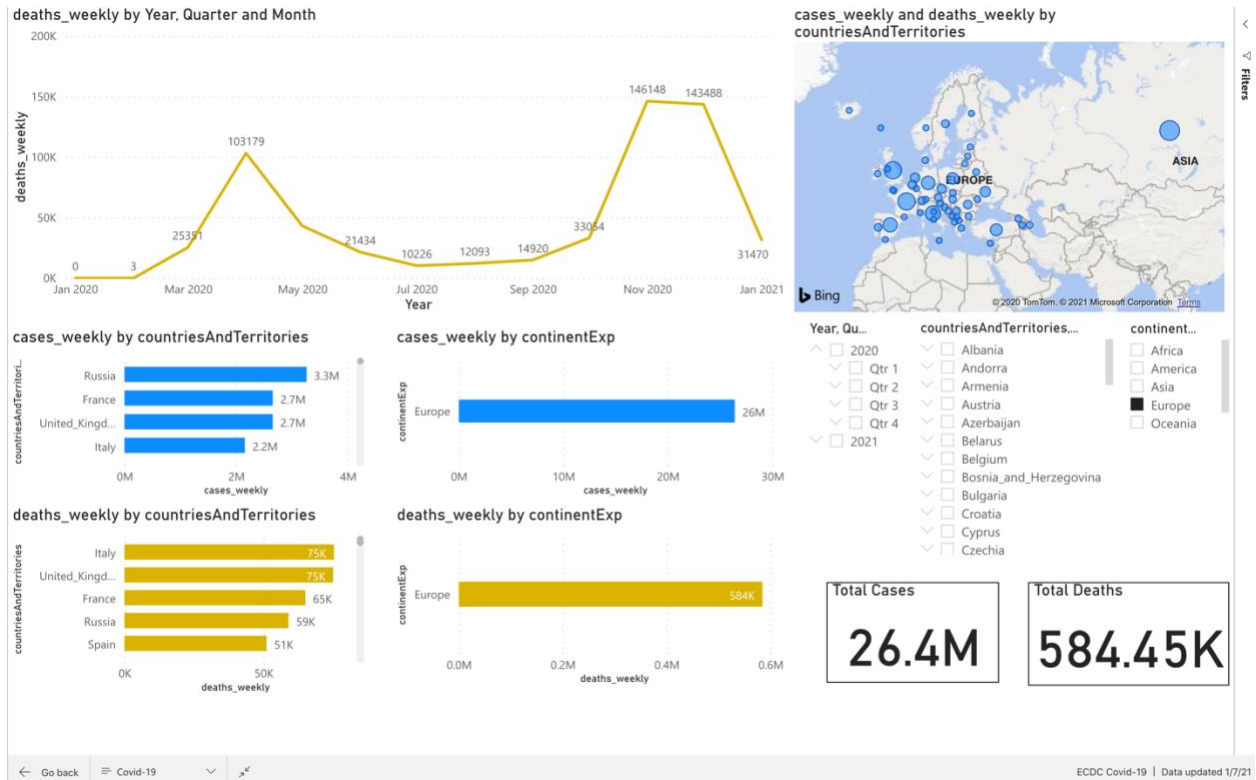


Your fields should look something like this in the Report Tab





Build a report that looks like this:



Let me know if you have questions.

Darwin Schweitzer

[darsch@microsoft.com](mailto:darsch@microsoft.com)