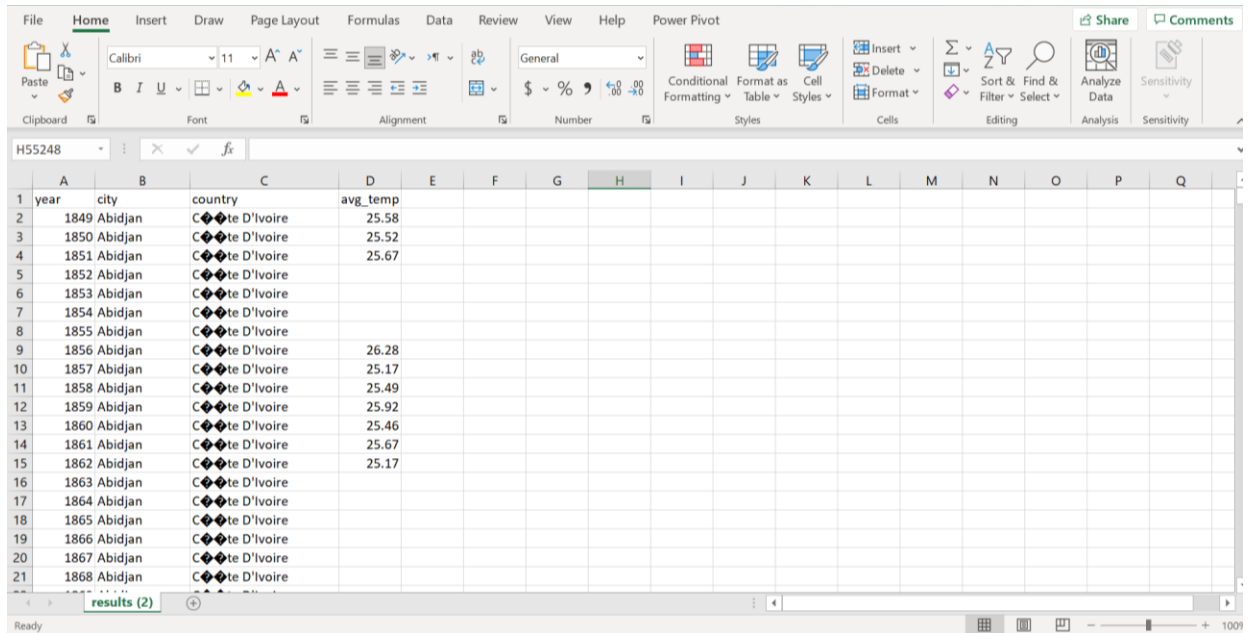Project: Exploring Weather Trends
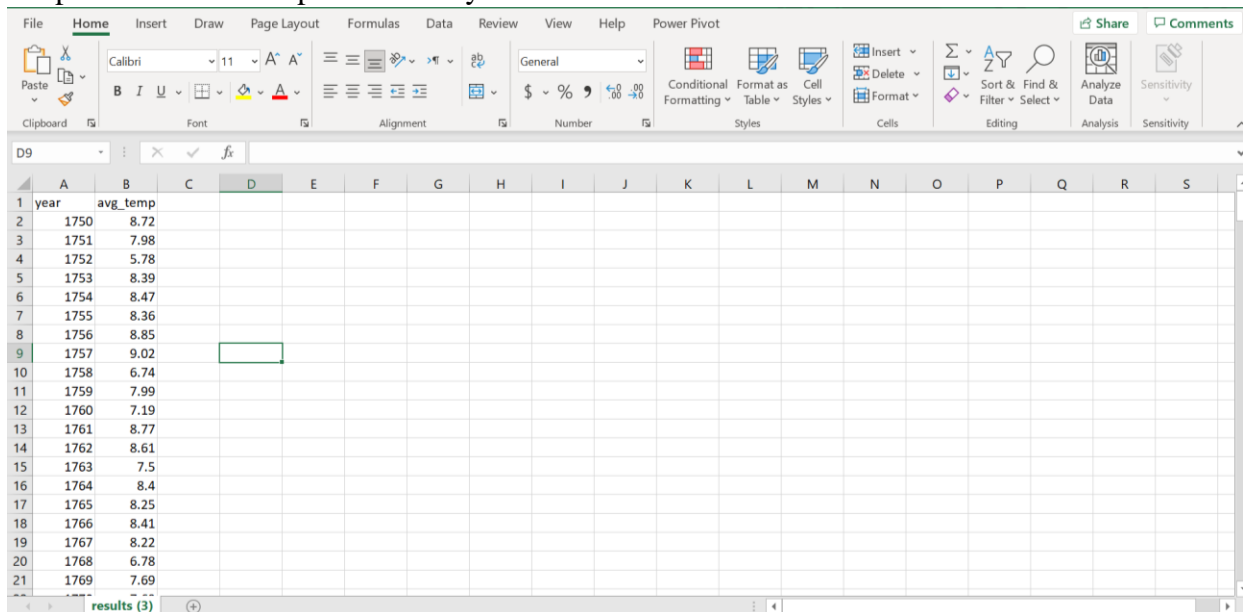
Steps:

1- I use SQL query to extract the data from city _data table (Select * from city_data)
2- I export to CSV then open the file by Excel.

3- I use SQL query to extract the data from global_data table (Select * from global_data)
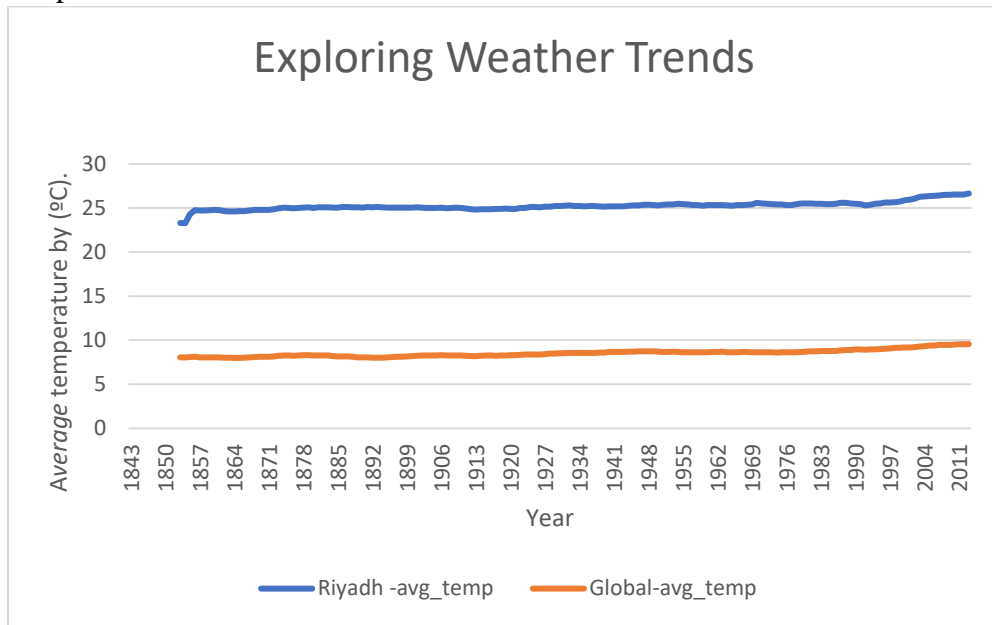4- I export to CSV then open the file by Excel.

5- I live in Riyadh, so I copy all temperatures from city_data table which are related with Riyadh. The data start in 1843 until 2013.

6- I copy all temperatures from global_data table which start in 1843 until 2013 to be in the same period in a new Excel.

7- I calculate moving average for every 10 years for Riyadh and Globle.

8- I Create a line chart that compares your Riyadh temperatures with the global temperatures.

Exploring Weather Trends

9-My observation:
- o Riyadh city hotter on average compared to the global average.
- o Riyadh temperature increase over time. for example, in 1863, the temperature was 24.59 however in 2013 it was 26.26.
- o Global temperature increases over time. for example, in 1863, the temperature was 8 however in 2013 it was 9.27.
- o Riyadh temperature increase more than global temperature.
- o The trend looks to the world getting hotter.