EXPLORE WEATHER TRENDS PROJECT

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- What tools did you use for each step?

SQL to extract data from database.
Excel to calculate the moving average and to make the line chart.

- Accessing Data With SQL :

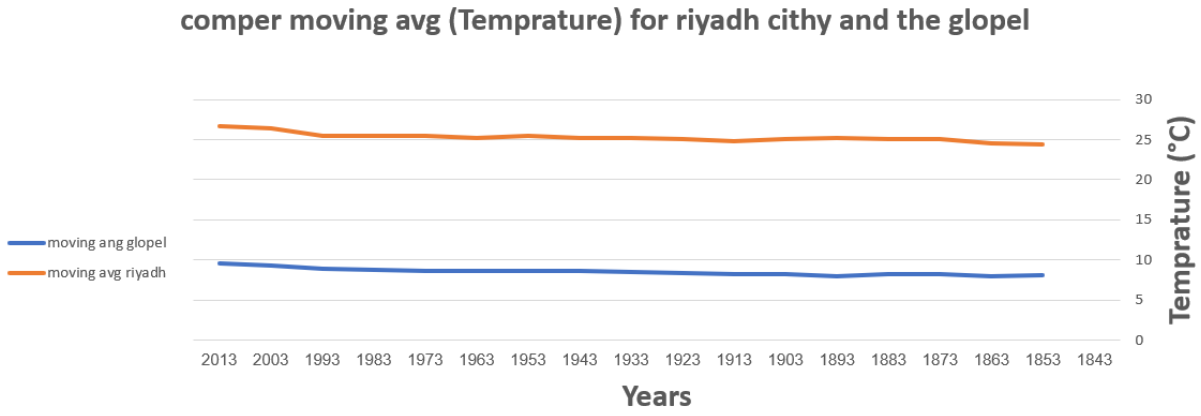
Explanation the query	SQL query
To view all Saudi city in the data	**select * from city_list where country like 'Saudi Arabia'**
To select all Riyadh city	**select * from city_data where city like ''Riyadh**
To select all global data	**select * from global_data**

- How did you calculate moving average?

I calculated the moving average of 10 years by using function average and dragging down all the rest of the column.

- What were your key considerations when deciding how to visualize the trends?

I use line chart to show the increasing and decreasing ing average Temperature , year is the X-axis .



Note:

- Riyadh's data is only start at the 1843 so use the globule's data that also start in this year for the comparison .
- For missing data in Riyadh_temp I fil it with the average of all other .

- Observations:

1) Riyadh is much hotter than the average of the rest of the world with largely different.
2) in 1993 there was a big increase in the average the temp in Riyadh And it still continues increasing.
3) Unlike Riyadh average the global average starts progressively increasing Between 2000 and 2003, And also it still continues increasing.
4) Both Riyadh average and global average show increase in average temperature with time, that means earth is getting hotter.