Explore weather trends

Outline:

1- Accessing data with sql

Selecting local data code

select * from city_data

where city = 'Cairo'

order by year desc

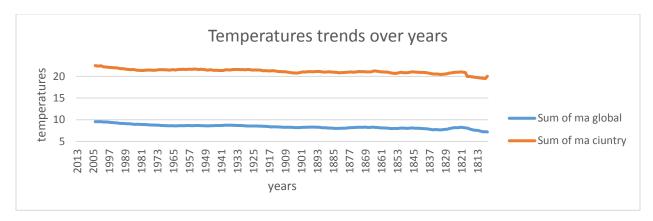
Selecting global data code

select * from global_data

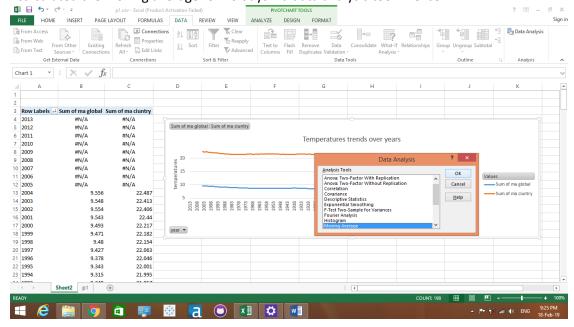
order by year desc

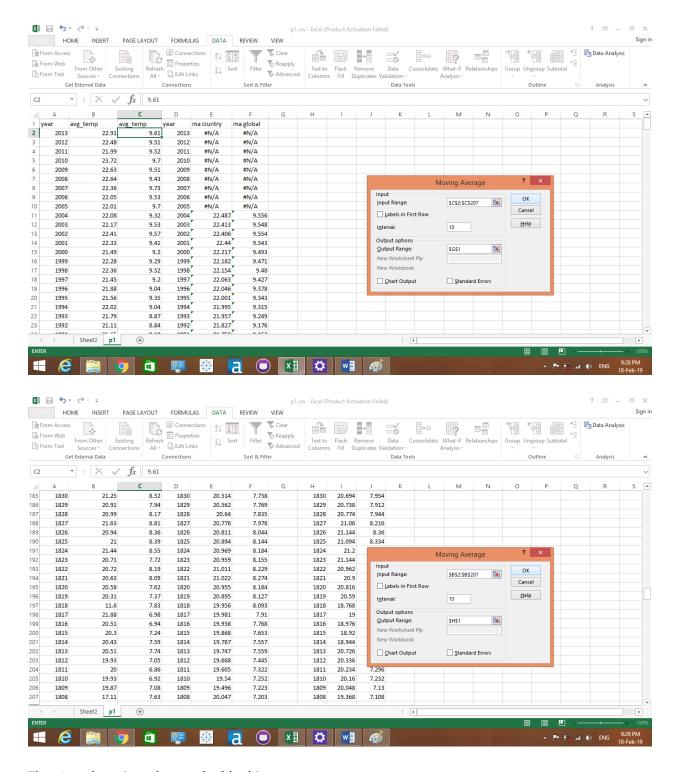
2- Copied the data into excel sheet and made pivot chart and table.

Chart

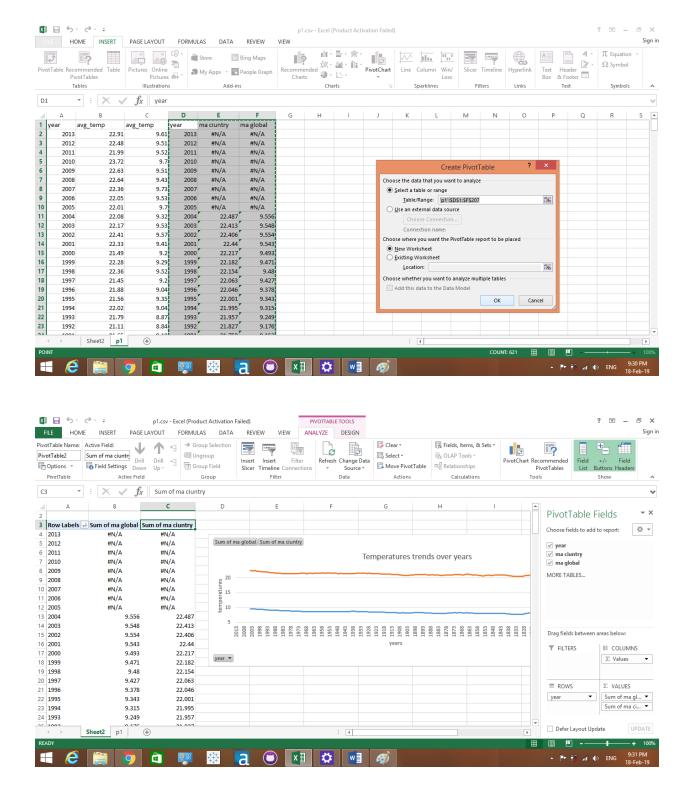


- I calculated the moving average for 10 days via data analysis tool in excel





Then I made a pivot chart and table this way



- While I visualize the data I considered that yea should be on x axis and both global and local temperature should be on y axis so I can compare them clearly

Observations

- 1- In general temperature in my country cairo is higher than the average global temperature.
- 2- The temperature everywhere is getting higher through years.
- 3- Highest average in cairo temperature was in 2004 when it was 22.487, while lowest temp in cairo was in 1809 when it was 19.496
- 4- Highest average in global temperature was in 2004 when it was 9.556, while lowest temp in cairo was in 1808 when it was 7.203