2020

REEM ALRASHOUD

SQL Statements

Create line chart

Explain process of work

Observations

Project 1

Weather Trends

SQL Statements:

- ### Extract data from Riyadh City:

select year , avg_temp

from city_data

where year >= 1848 AND city='Riyadh''

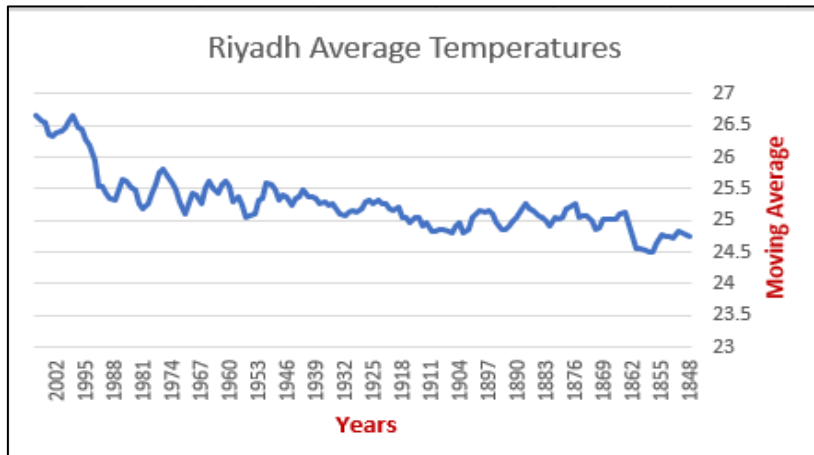- ### Extract data from Global:

select year , avg_temp

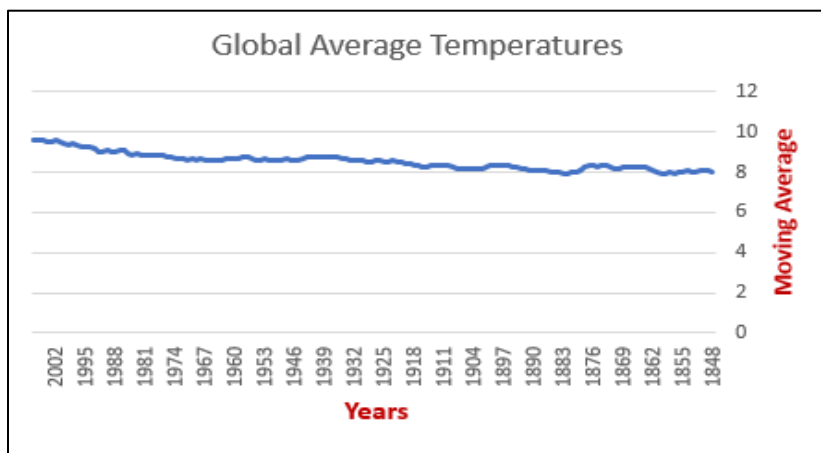from global_data

where year >= 1848

Create Line Chart:

 (I separate charts for Global data and Riyadh data "local", then I merge them in one chart that's can view the
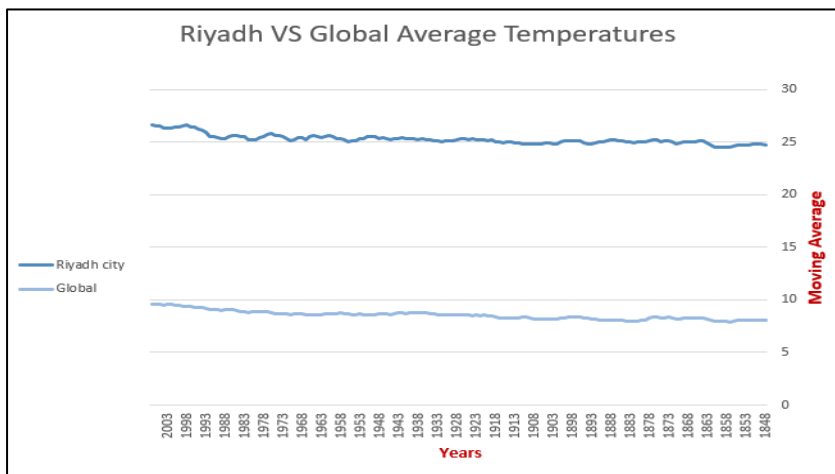
details in more cleared way)

- **Riyadh:**

- **Global:**

- **Merge between Riyadh and global:**

Process OF Work:

Basically I started from year (1848 - 2013) because there is an missed or empty information on the previous years. First of all I download the result of query from CSV file , then I used Excel to calculate the moving average of 6 years by (6#of above cells/6) and I visualized the data by charts from excel to compare the moving average of Riyadh city and global.

Observations:

1- There is a slight variation between the results of Average temperatures of Riyadh and Global.

2- Riyadh Average temperatures is more highest than global Average temperatures. the difference between them It increased by around 17 degree.

3- The weather at Riyadh it increased slowly without make a huge difference. As we can see it starts from 24 degree at (1848) and it will be 27 degree at (2003) that's means it is higher approximately with 3 degree.

4- The weather at the Global is increased slowly but the difference between start and last year is less than Riyadh that means the weather in the globe much colder than Riyadh. As what we see it starts from 8 degree at (1848) and it continuous until reach 10 degree at (2003), so it is higher approximately with 2 degree.

5- AS THE LAST VIEW POINT , Riyadh and the Global has been increased in their Average temperatures.