



UDACITY

Project 1: Explore Weather Trends

By

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Tools:

1- SQL Queries

The statement	Query
To find the cities inside Saudi Arabia	select distinct * from city_list where country = 'Saudi Arabia'
To get all the information from Riyadh	select * from city_data where city = 'Riyadh'
To get the global information	select * from global_data

2- Excel

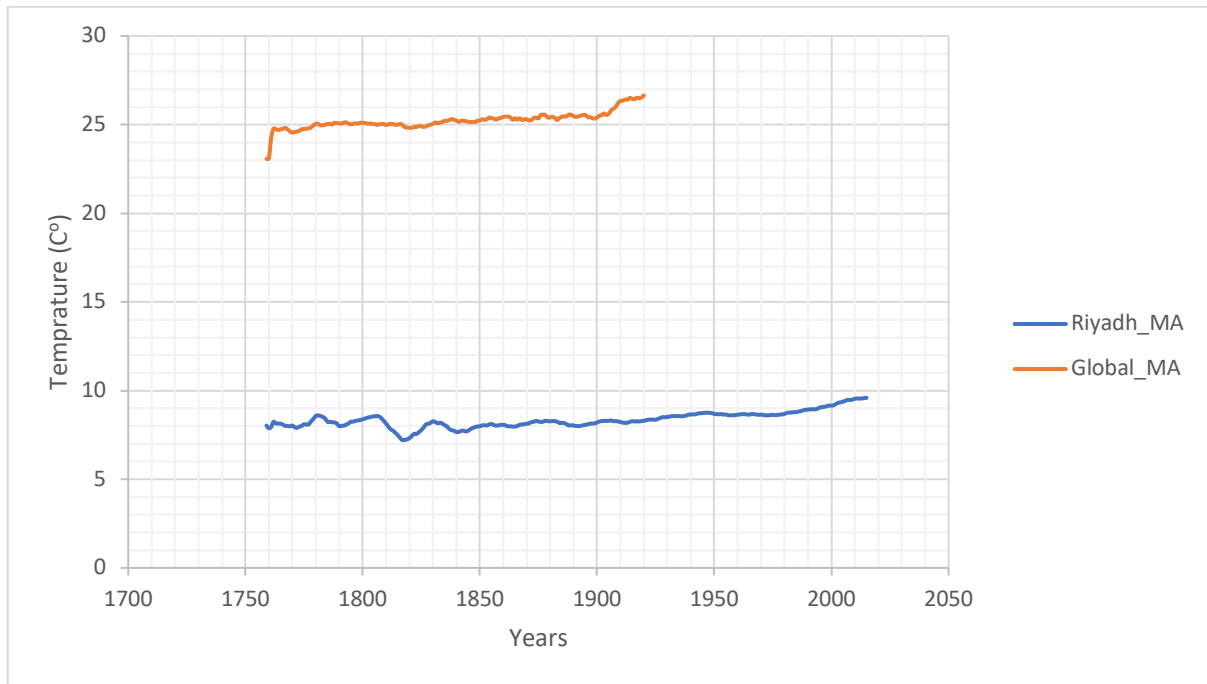
- a. The spread sheet.
- b. Data analysis (moving average) tool.

Calculating Moving Average:

I used Data analysis (moving average) tool then by choosing the selected data which is (global_avg, Riyadh_avg) the excel will do the calculation.

Consideration:

My consideration is observing the verity of temperature changes either by increasing or decreasing in the moving average.



Observation:

Here are some similarities and differences about the trends: -

Similarities:

- 1- On the short term all the temperatures are fluctuating, but on the long term the is slow increasing in both of them.
- 2- By observing both of the graphs as the time moves forward the temperature is raising which means the world is becoming warmer.

Differences:

- 1- The Riyadh average temperature is way more than the global average temperature.

2- The global average temperature is raising with constant rate that can be predicted. On the other hand, Riyadh after 1900 faced a sudden change average temperature raising.