

Project 1: Explore Weather Trends

By

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# Tools:

1. SQL Queries

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| 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 |

1. Excel
   1. The spread sheet.
   2. 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.