



Project One

Summary

In this project, you will analyze local and global temperature data and compare the temperature trends where you live to overall global temperature trends.

Outline

- **Tools used:**

- I used SQL to extract the data from database , I write tow query.

the first query I extract the data from table global_data .

```
1  select year , avg_temp
2  from global_data
3  where year >= 1843 and year <=2013
4
5
```

Success!

EVALUATE

And the second one I extract the data from table city_data with condition just Riyadh city.

```
1  select year , avg_temp
2  from city_data
3  where city = 'Riyadh'
4
5
```

Success!


EVALUATE

- I used Excel to calculating moving Average .

Calculate the moving average:

Moving Average ? X


Input

Input Range: 

☐ Labels in First Row

Interval:

Output options

Output Range: 

New Worksheet Ply:

New Workbook


☐ Chart Output ☐ Standard Errors

OK Cancel Help

- Moving average for Global city

Moving Average ? X


Input

Input Range: 

☐ Labels in First Row

Interval:

Output options

Output Range: 

New Worksheet Ply:

New Workbook

☐ Chart Output ☐ Standard Errors

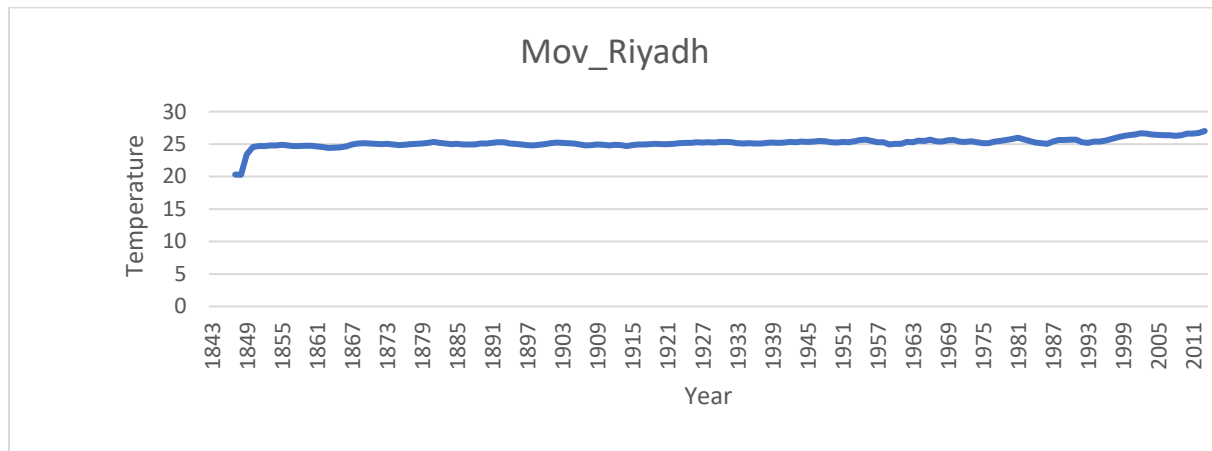
OK Cancel Help

- Moving average for Riyadh city

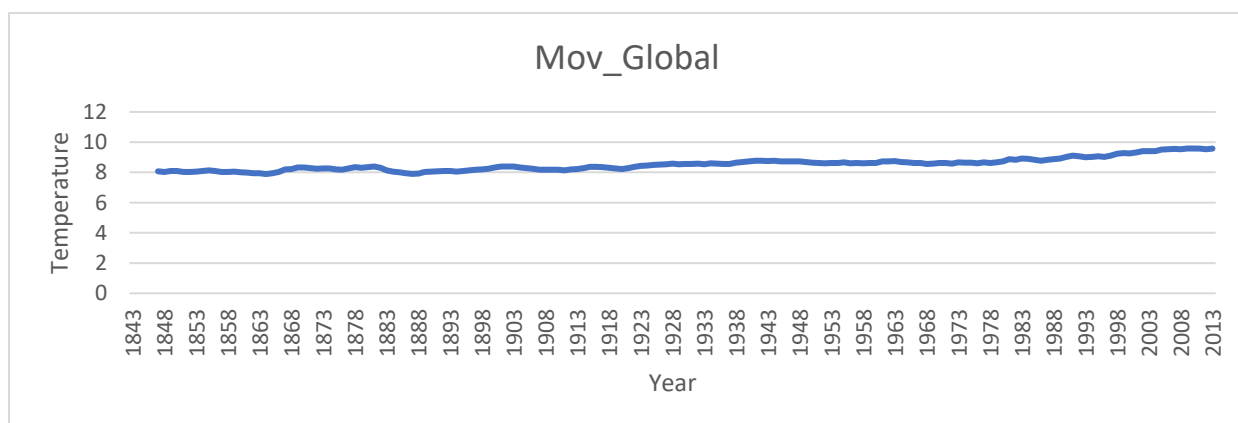
Key considerations when deciding how to visualize the trends:

- i. Temperature
- ii. Year

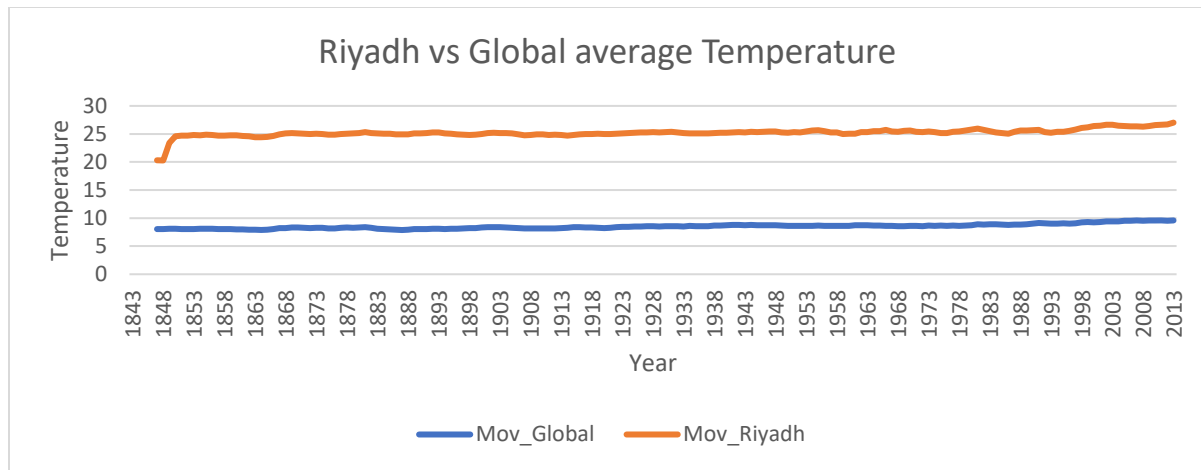
- **Line Chart**



Line Chart for Riyadh from 1843 to 2013.



Line Chart for Global city from 1843 to 2013.



Line Chart Riyadh vs Global average Temperature

About the similarities and/or differences in the trends :

- Riyadh weather is hotter for the global weather
- The weather in the global is milder
- The rate of increase in temperature in Riyadh increased slightly
- The rate of increase temperature in the global is almost constant

Thank You.