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Data Analyst Nanodegree (Project 1)
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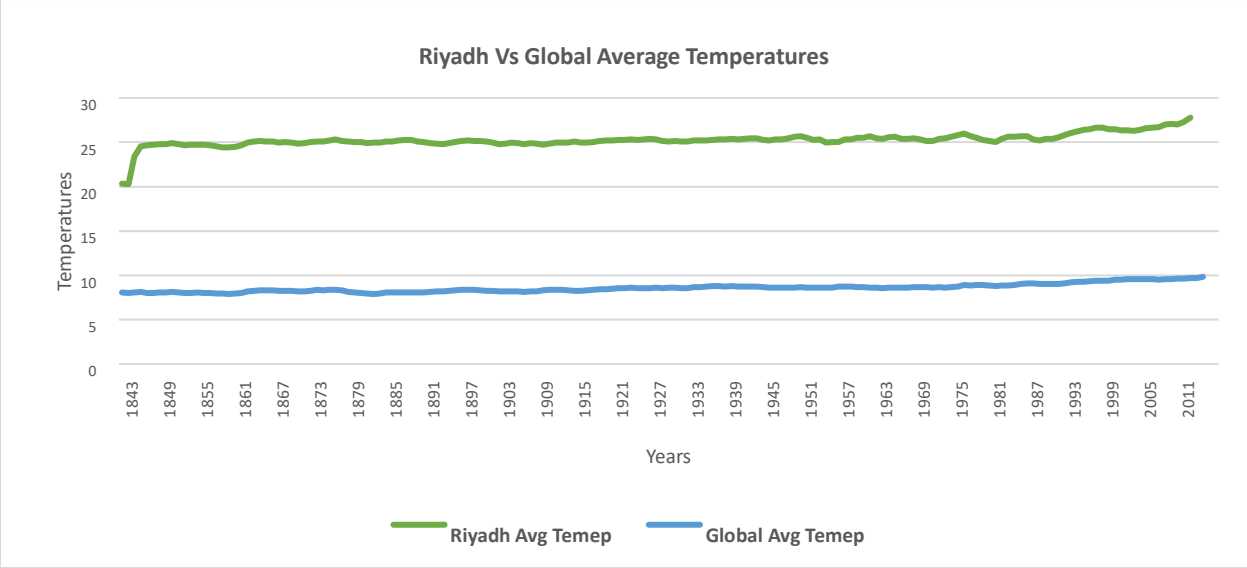

- I used SQL to extract data from database and Excel was used to calculate the moving average and make line chart.

- **The SQL query are:**

1- select year , avg_temp from city_data where year >=1843 and city ='Riyadh'
2- select * from global_data

- I calculated the moving average of 5 years by using the command: =**Average (cell:6: cell6),** then dragging down until the last value.
- My key consideration was to observe an increase or decrease in moving average temperature. There was some missing data in local temperature (Riyadh). I filled that data by calculating mean of the values of the whole column, and then copying that mean to missing cells.
- Here are some similarities and differences observed between the global and local moving average temperatures data.

1- Similarities:

- Both lines are volatile and both lines display a slow increases trend.
- Also, both graphs show increase in average temperature with time, which mean earth is getting hotter.

2- Differences:

- Riyadh average temperature is observed to be hotter than the global average temperature.
- Global moving average temperature is increasing at faster rate in comparison to Riyadh moving average temperature.