Project 1: Exploring Weather Trends
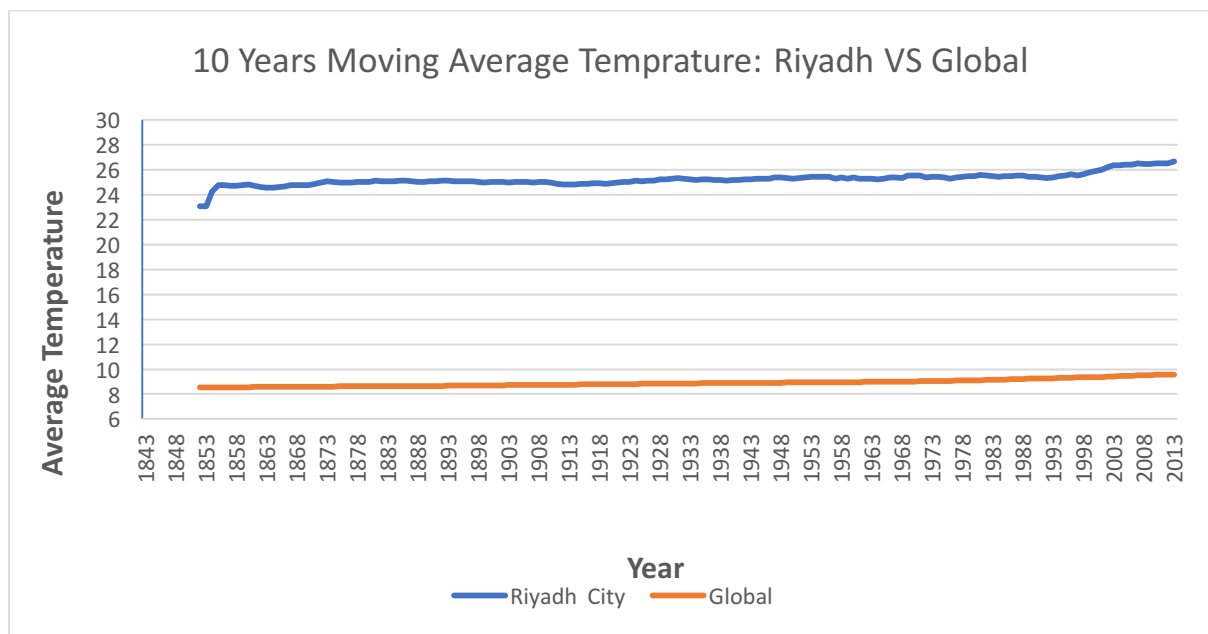## By: Fawza Alzumia

Outlines:

1- To pull data, I use the below SQL:

```sql
select city, city_data.year as city_year,
city_data.avg_temp as city_avg_temp,
global_data.year as global_year,
global_data.avg_temp as global_avg_temp from
city_data, global_data where city_data.year =
global_data.year and city='Riyadh'
```

2- After I download the result, I use excel to calculate moving average and visualize data.

3- I draw the chart based on the yearly average temperature in Riyadh, global average temperature and year. In order to make my graph more readable I use 10 years moving average.

Line chart:

Observations:

1- Riyadh considered very hot city, where the temperature in Riyadh is higher approximately with 15 degrees.

2- In general, temperatures around the world are increasing year after year.

3- From 1853 to 1856 a significant increase in the temperature of the weather in Riyadh, more than 1.5 degrees. While the temperatures were almost constant during these years in most countries of the world.

4- In the last decade, there has been an acceleration in the rate of increase in temperature in Riyadh or globally.