WEATHER TRENDS PROJECT

Tools used for the project:

- SQL queries
    1. Select *
       From city_data
       Where city = ‘Riyadh’
    2. select avg_temp, year
       from global_data
       where year between 1843 and 2013

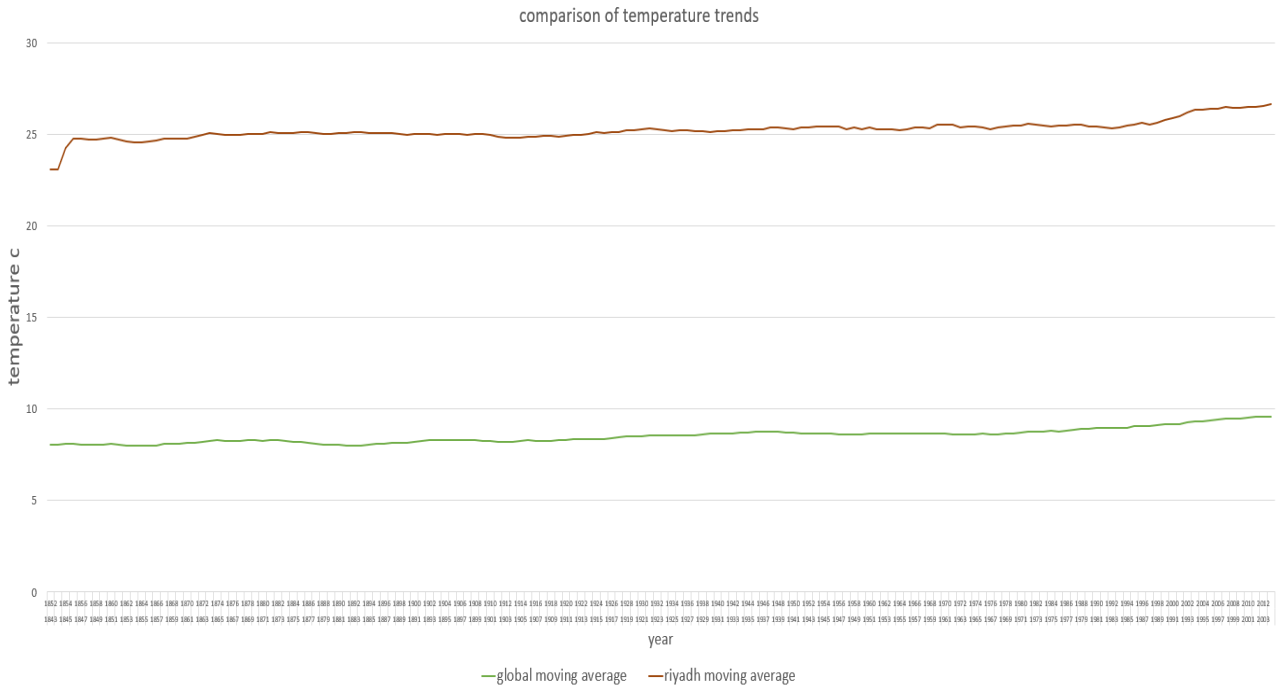
- Excel sheets

Moving average:

To identify the trend direction, I used the moving average by calculating the mean for each 10 years to use it in the chart.

Key considerations:

I have considered using 10 years in the moving average then I have used global average temperature and the Riyadh, Saudi Arabia average temperature and connect them with the years to visualize the weather trends properly.



observations:

- Riyadh city suffers a hotter climate than the average global as shown above.
- The temperature change worldwide is fairly consistent with Riyadh city.
- As shown in the chart there is a rise in the global temperature in the recent years as well as Riyadh assumingly due to global warming.
- Approximately there is a 17 degree difference between Riyadh and the world.
- Riyadh city suffers a faster climate change as shown in the visualization.