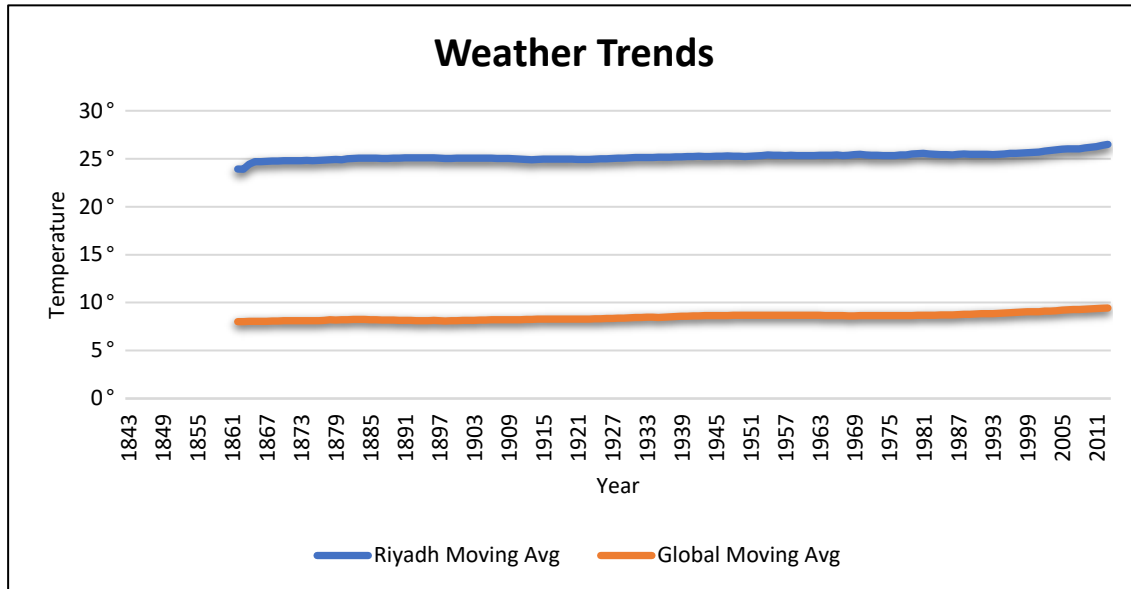


First Project



Q1: What tools did you use for each step? (Python, SQL, Excel, etc.)

I used SQL to find the data needed for Riyadh temp and global temp using this query:

```
"select * from city_data where city = 'Riyadh';  
select * from global_data where year >1842;"
```

Then I used Excel to visualize the data.

Q2: How did you calculate the moving average?

By using Average function in excel. I decided to calculate the moving average every 20 years to make the chart smother and easier to understand.

Q3: What were your key considerations when deciding how to visualize the trends?

I find that line chart '2D line' is the simplest and most straight forward way to visualize and compare the moving average.

My observations:

- My city's moving average is always higher than the global moving average.
For example: Riyadh's average temperature around (1994-2013) was 26.49° and the global was 9.43° which is a huge difference.
- The difference between Riyadh and global moving average is almost consistent where Riyadh is higher by around 10°.
- The trend is almost shaped as a straight line that is starting to rise. It is not consistent, but it is rising very slowly over the last few hundred years.
- The World is getting hotter in both moving averages.