

We use some query to export data from scheme

```
1 - select *  
      from city_list
```

this query we use for finding nearest city for me and we use result to progress my project

```
2- select avg_temp, year  
      from global_data
```

this query we use for finding all temperature for global to compare between global and my city

```
3- select avg_temp, year  
      from city_data  
      where city='Riyadh'
```

this query we use for finding temperature for my city to compare between global and my city

after that we import these data to Excel sheet to make analyst

we use in the project Microsoft Excel 2016

Q:

- 1- Is your city hotter or cooler on average compared to the global average?
Has the difference been consistent over time?

My city is hotter than average global, because Climate factors and my city difference been consistent.

- 2- "How do the changes in your city's temperatures over time compare to the changes in the global average?"

The change not big different maybe the maximum change 3c for all years

- 3- What does the overall trend look like? Is the world getting hotter or cooler?
Has the trend been consistent over the last few hundred years?

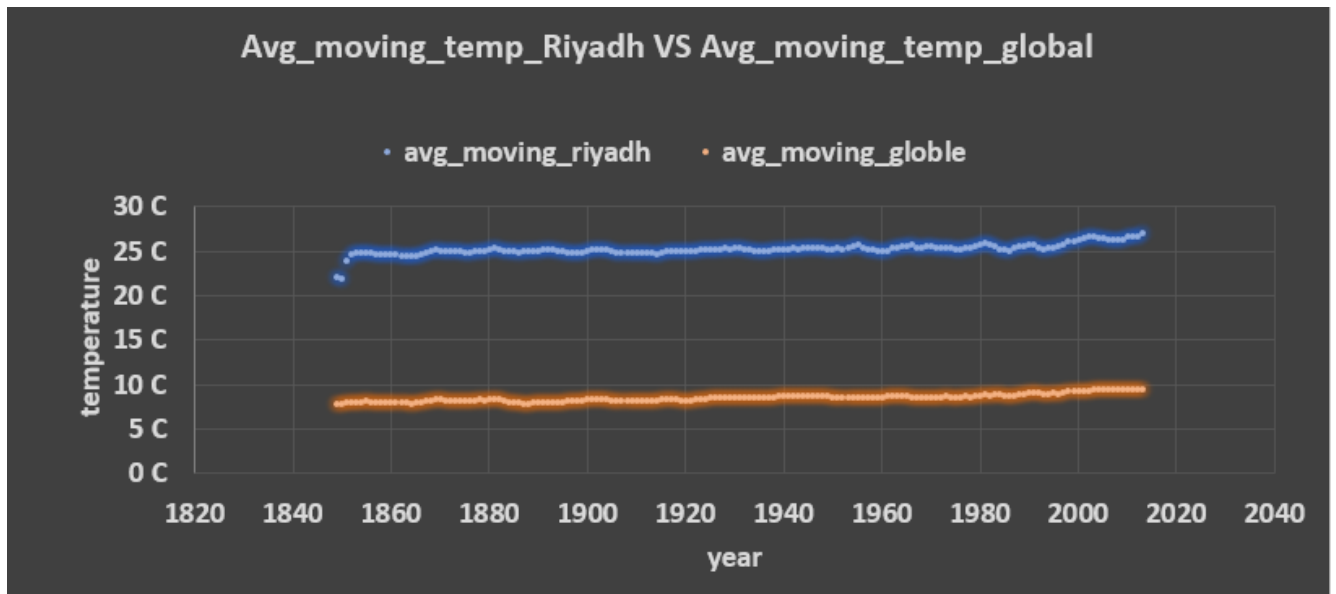
the overall trend look like There is not a very large increase but the trend it's with the passage of time the state is increases, yes, the trend been consistent over the last years.

The screenshot shows an Excel spreadsheet with the following data:

	A	B
1	year	avg_temp_RIYADH
2	1843	24.74
3	1844	15.45
4	1845	20.82
5	1848	24.56
6	1849	24.8

The formula bar at the top shows the formula: `=averagea(B2:B6)`. A blue selection box highlights the range B2:B6. A tooltip for the AVERAGEA function is visible over cell B6.

My key considerations when deciding how to visualize the trends: is Year, avg_Moving_global, avg_Moving_riyadh, average_temp_riyadh , average_temp_riyadh



calculate the moving average by use tool in excel "data analysis" we select each temp and but interval in my project but it each 5 year

observations:

- 1- The average city temperature and the global average temperature are constant and there is an increase with the years progressing slightly
- 2- All temperatures in the world are constant and there is no noticeable rise against the city's own temperatures
- 3- In the last twenty to thirty years there is an increase in temperature increase
- 4- From the chart, it is clear that my city is hotter than the global, approximately 15 ° C.