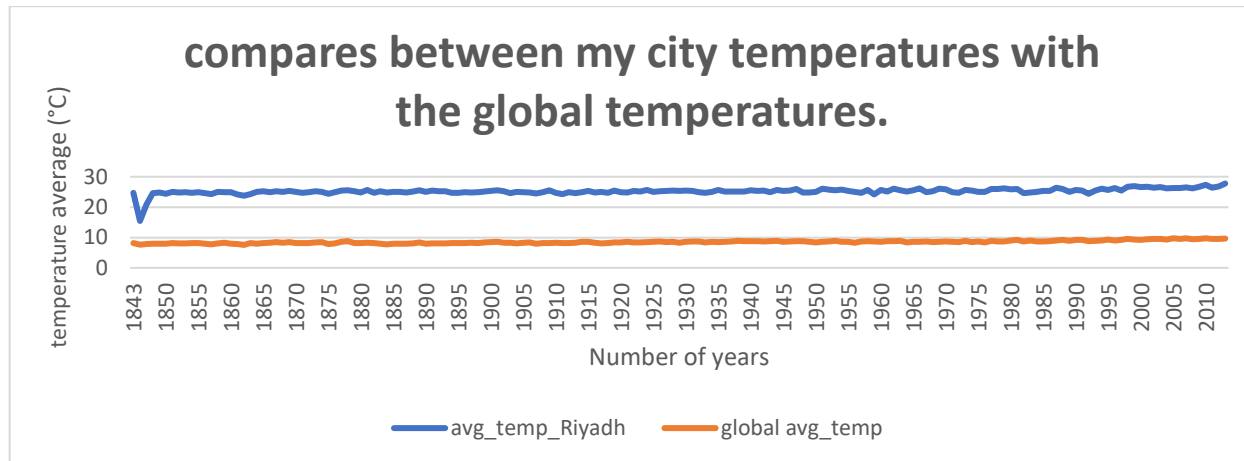


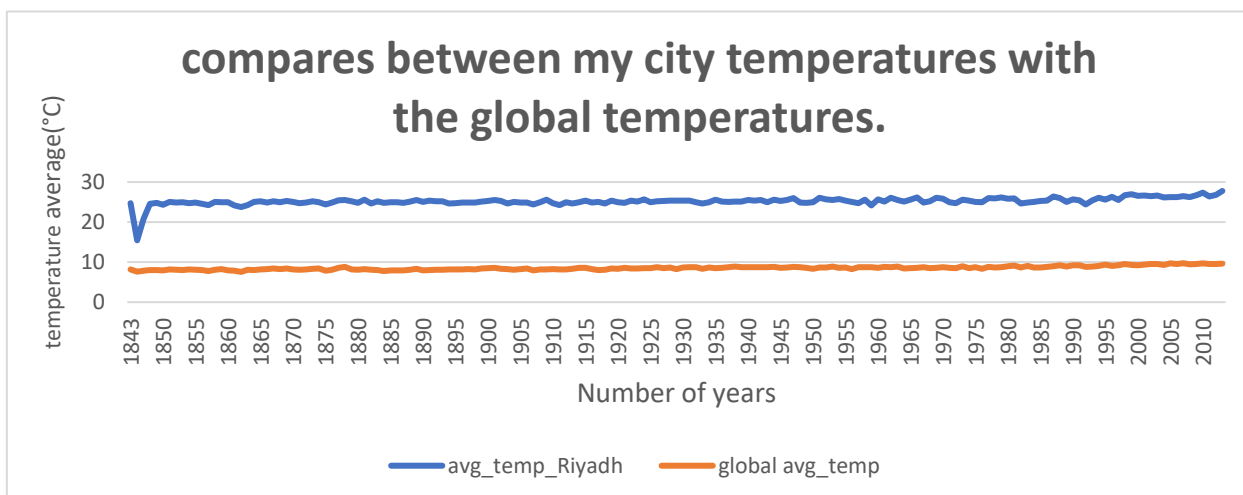
is your city hotter or cooler on average compared to the global average? Has the difference been consistent over time?

- Yes, Riyadh is hotter than global average.
- The global average is cooler than Riyadh .
- NO, difference Hasn't been consistent over time.



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

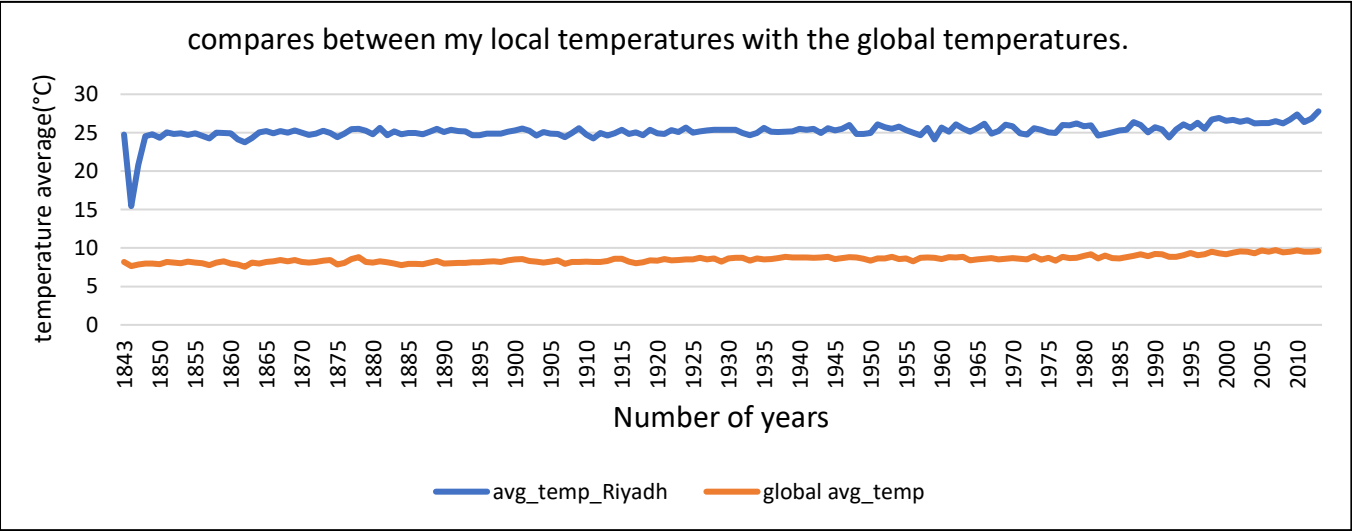
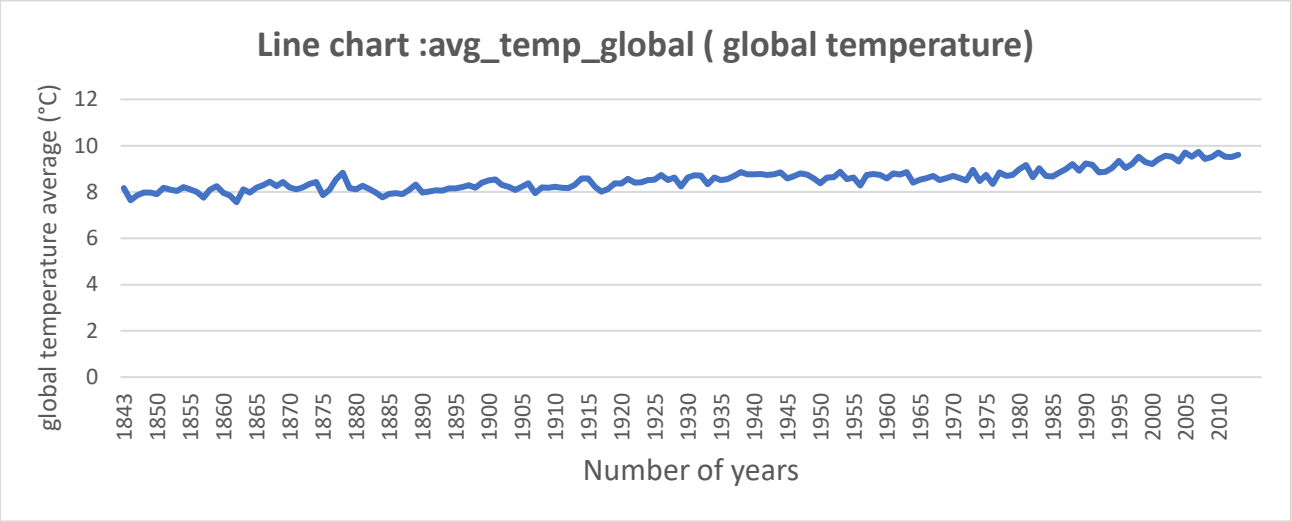
- Average temperature in my city over the over time: is 24.7
- Average temperature in global average over the over time: is 8.5
- We noticed that temperatures in my city is hotter than global temperatures
- We noticed that global average is cooler than my city
- also difference Hasn't been consistent over time.



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?

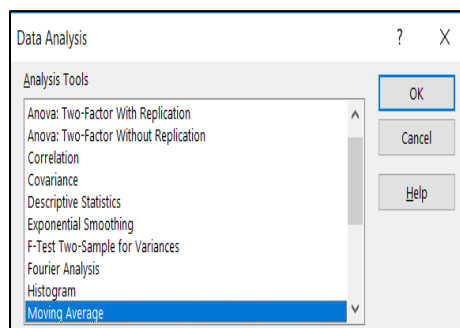
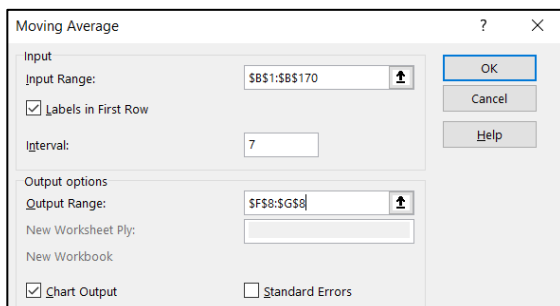
- The trend is getting hotter
- trend has not consistent over the last few hundred years.

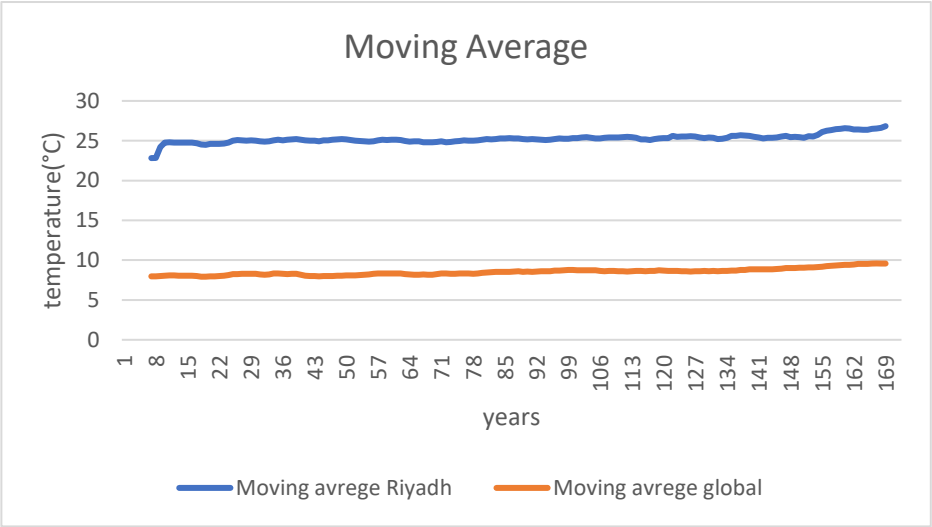
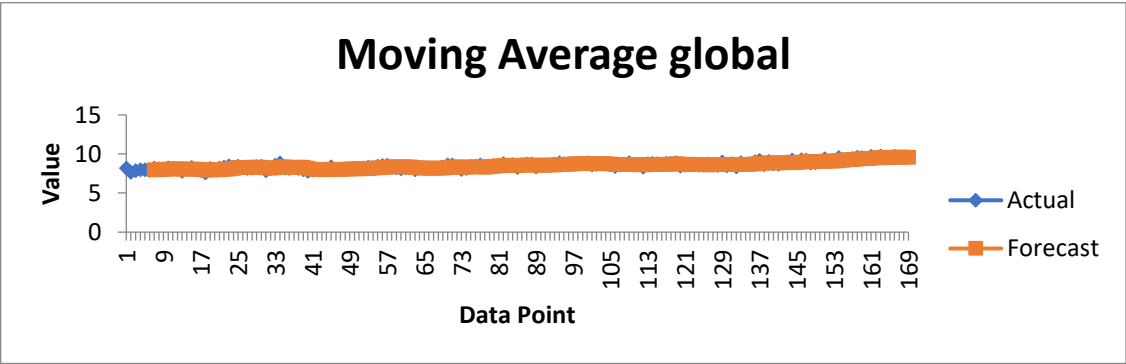
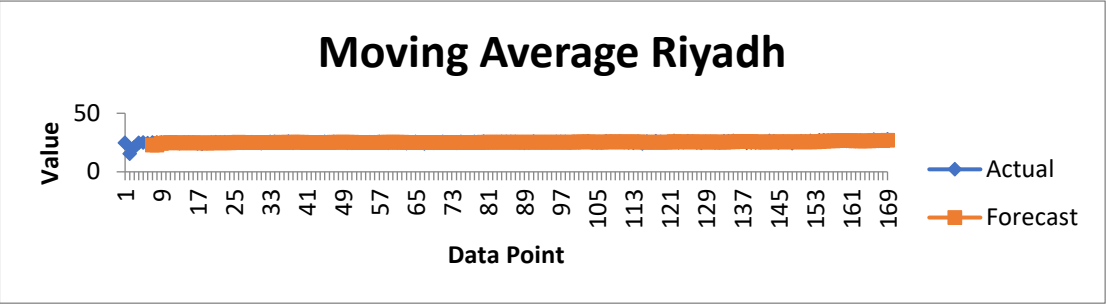


- What tools did you use for each step? (Python, SQL, Excel, etc)
 - I used Excel .
- How did you calculate the moving average?
 - I calculated by using Data analysis from excel.
- A moving average is a technique to get an overall idea of the trends in a data set; it is an average of any subset of numbers. The moving average is extremely useful for **forecasting long-term trends**. You can calculate it for any period of time.

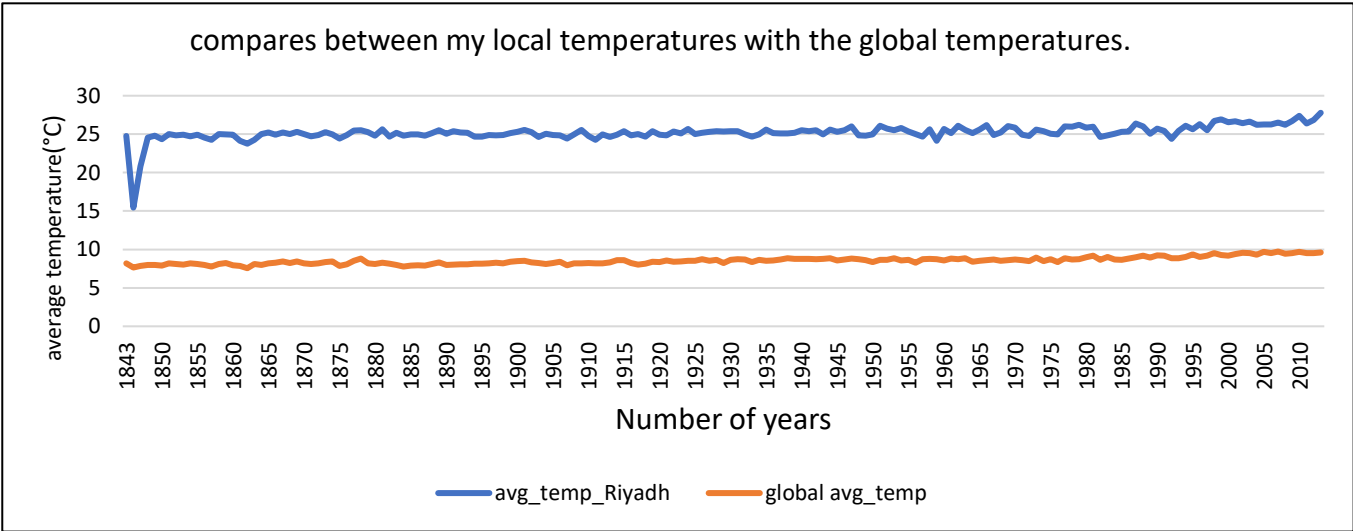
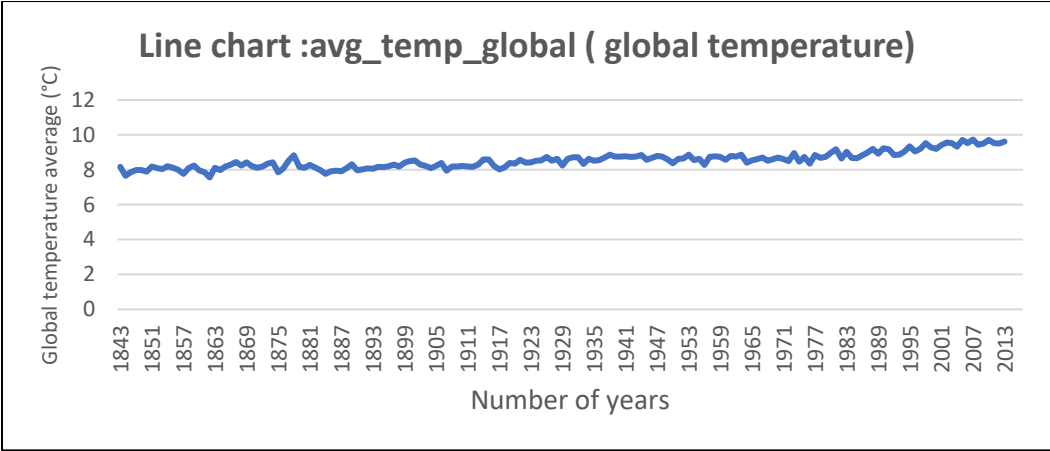
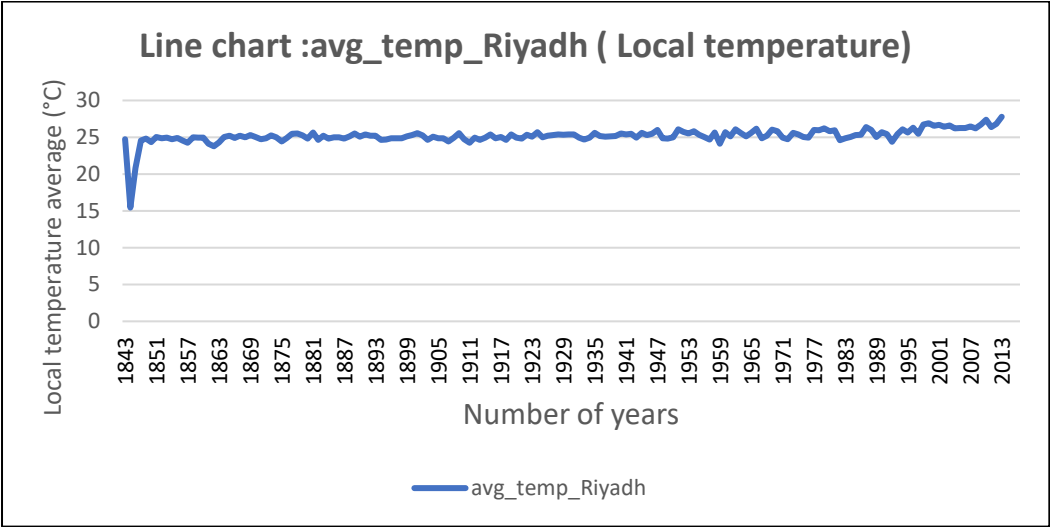


- first step go to data then i select data analysis after that I choose moving average and click ok .
- I selected input range would be the (avg_temp_Riyadh column) I selected that starting with the label avg_temp_Riyadh all the way down the last data point
- Interval in this case would be, I want the Day moving average and output range were you want the data to display then I put Tick mark to chart output
- After I finish moving chart for my city and global temperature I have made compare between to column

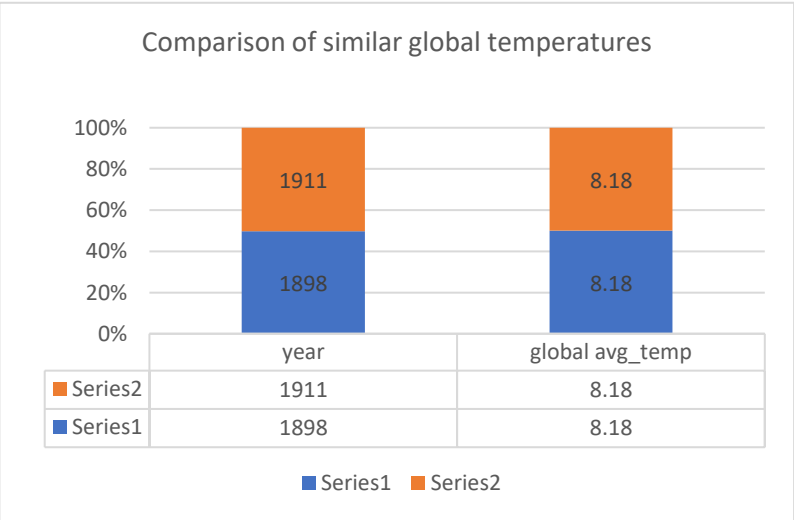
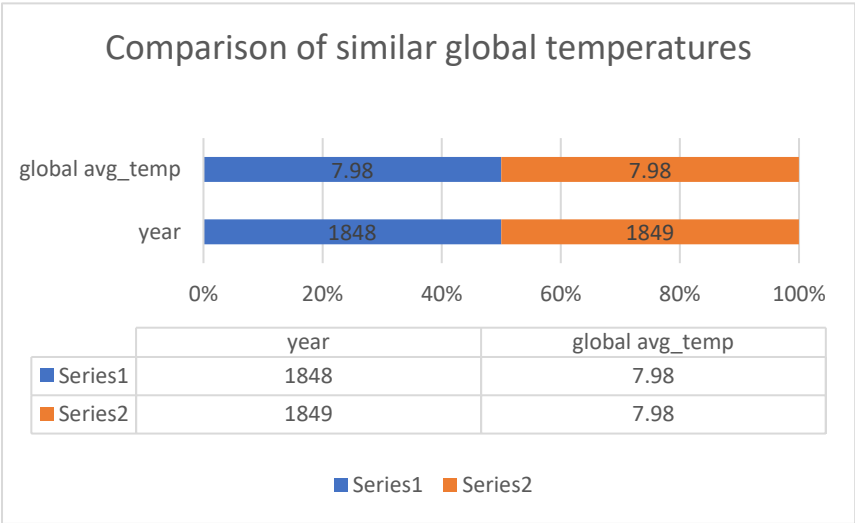
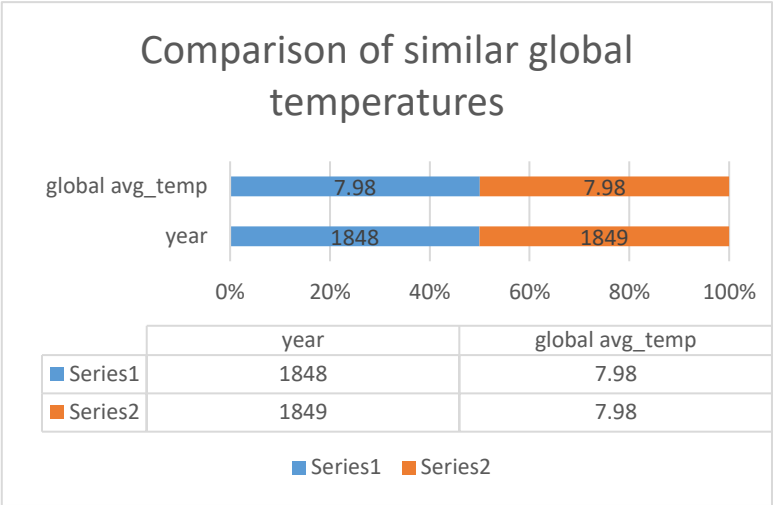
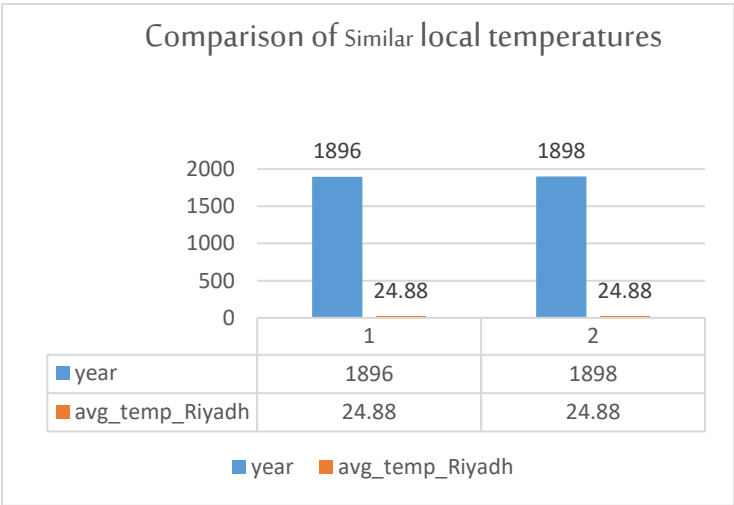
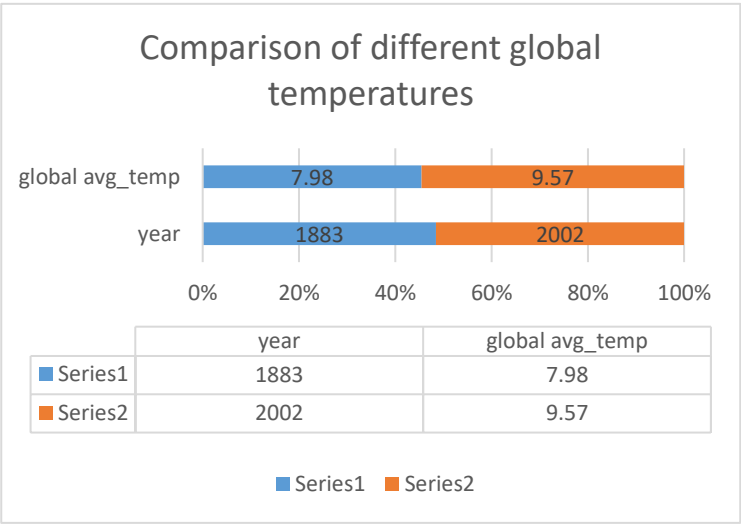
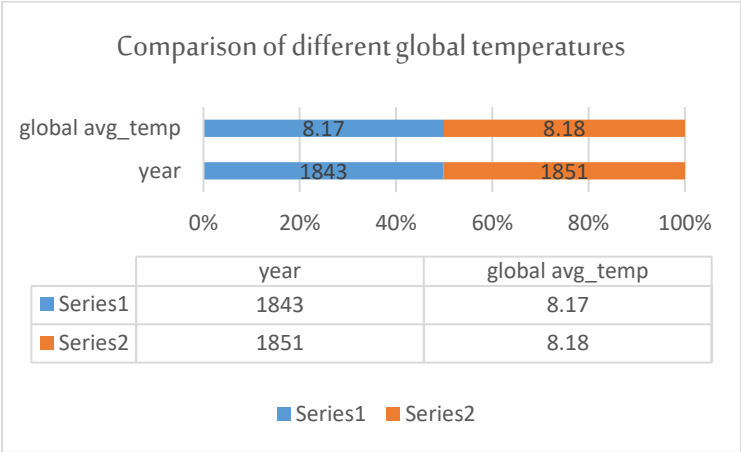




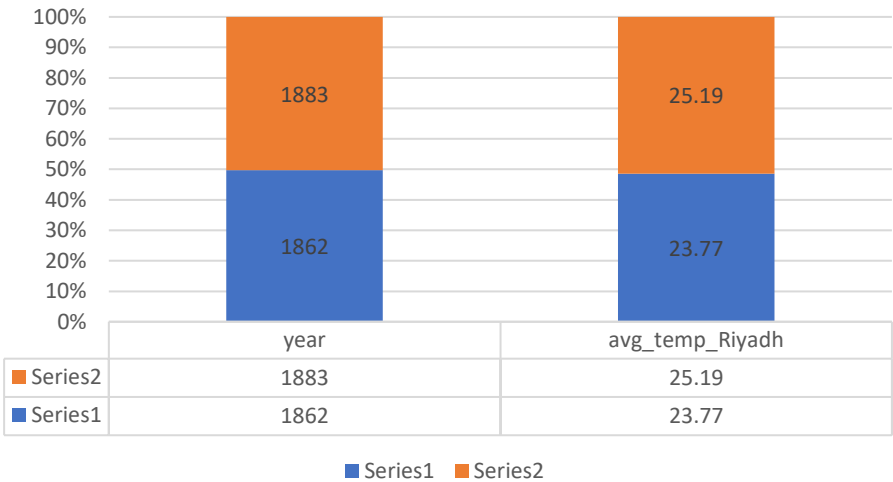
- **Line chart** with local and global temperature trends



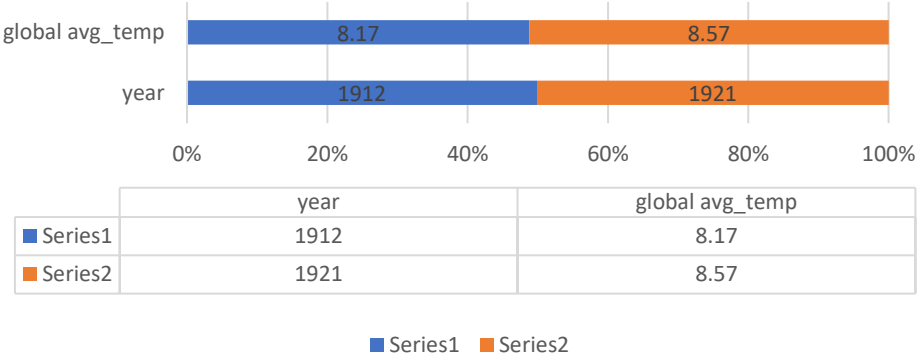
- At least **four observations** about the similarities and/or differences in the trends



Comparison of different local temperatures



Comparison of different global temperatures



SQL query

I used pivot table to extract Riyadh value .

Input

HISTORY ▾MENU ▾

SCHEMA ↻

city_data ▾

city_list ▾

global_data ▾

1 SELECT * FROM city_list;

2

3

4

5

Success!

EVALUATE

Input

HISTORY ▾MENU ▾

SCHEMA ↻

city_data ▾

city_list ▾

global_data ▾

1 select avg_temp,year

2 from global_data;

3

4

5

Success!

EVALUATE

Input

HISTORY ▾MENU ▾

SCHEMA ↻

city_data ▾

city_list ▾

global_data ▾

1 select year, city, country, avg_temp

2 from city_data

3 ;

4

5

6

Success!

EVALUATE