



Observations: -

-As we can see from the line chart Riyadh is hotter on average compared to the global average, the difference has been consistent over time.

-The temperature in Riyadh is slightly getting higher over time, as we can see from year 2000 the temperature has gone up after almost 50 years of consistency on average temperature of 25.40 Celsius. The changes in the global average it's also shows that the temperature is going slightly higher as we can see from year 1995.

-The overall trend looks like the world is getting slightly hotter as the line chart show us, as we can see from the line chart since 1852 the temperature was 8.05 Celsius in 1995 It reached 9.05 Celsius.

-In 1852 the temperature in Riyadh was 23.07 Celsius as the line chart shows since that the temperature is on slightly raising up till it reached 26.53 Celsius by 2012.

Outline: -

In the first step I used SQL to extract data from a database. The SQL query used to extract the data is **Select * From city_data** then **Select * From city_list** then **Select * From global_data**

Then I opened it up in a spreadsheet program in order to analyze it.

After collecting the data, I calculated the 10 years moving average for Riyadh and the world average temperature in spreadsheet using this formula for example **=AVERAGE (B2 : B11)** this formula is for calculating the moving average.

Then I created line chart using Excel and I gathered all the information and place it in the line chart to write the observations.