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1-SQL Queries:

I extracted the data from the database using the
following queries :
1)Extracting the data from the global_data table (
select * from global_data where year between 1940
and 2013
2)Extracting the data from the city_table (select *
from city_Data where city = 'Riyadh' and year >=
1940)

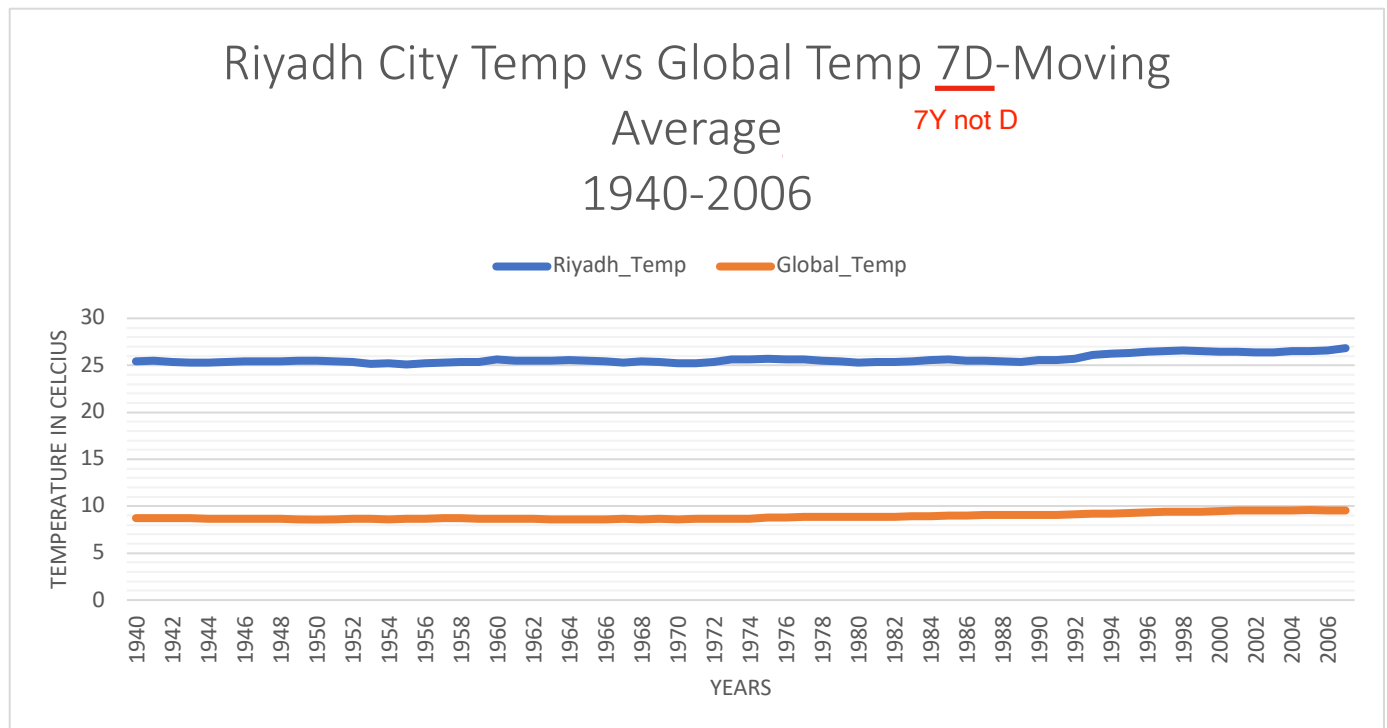2-Tools :
 I downloaded the results and opened it using Excel
all the statistics done using Excel

3- Calculating the Moving Average :
 I calculated the moving average using the built-in
Excel function (Average) 7 Days Average
4- Line Chart :
I drew the line chart with the Excel charts tool and I
specified the values ,the horizontal values are years
and the vertical values are temperature in Celsius the
orange line represents the global temperature and
the blue line represents my city (Riyadh) temperature

Riyadh City Temp vs Global Temp 7D-Moving Average 1940-2006

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5- Key considerations :
 the key considerations are moving average and drawing the line chart
6- four observations :
1) I found my city's(Riyadh) temperature average is way higher than the global temperature
2) My city's (Riyadh) temperature average and the global temperature average hasn't change that much over the selected years
3) The global temperature is under 10 Celsius
4) My city's (Riyadh) temperature is above 25 Celsius
5) My city's(Riyadh) temperature has increased since 1992

Finally at this project I was able to extract the data from the database , calculate the moving average to

use in the line chart and observing the differences between my city (Riyadh) and the global temperature.