

## Data Analysis Nano degree

### EXPLORE WEATHER TREND

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### Analysis

City	SQL Command for extracting data
For Select Riyadh City	Select *from City_list where Country='Saudi Arabia ';
For Select city Data Riyadh	Select From City_Data Where country='Saudi Arabia' AND city ='Riyadh' ;
For Global Data	Select *From Global_Data

### Approach to get the Data:

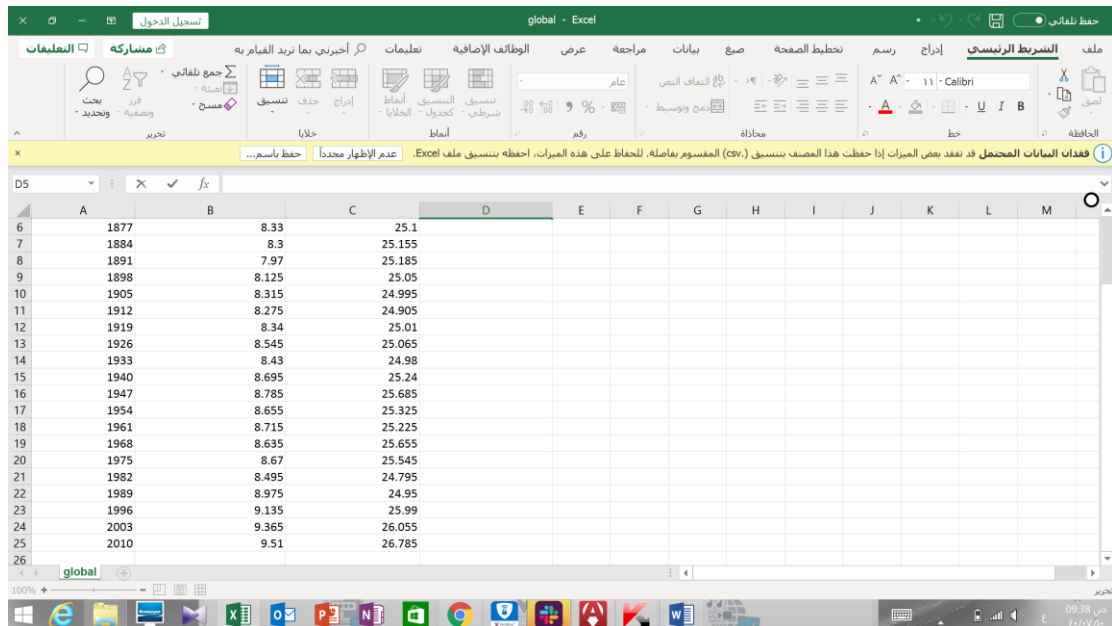
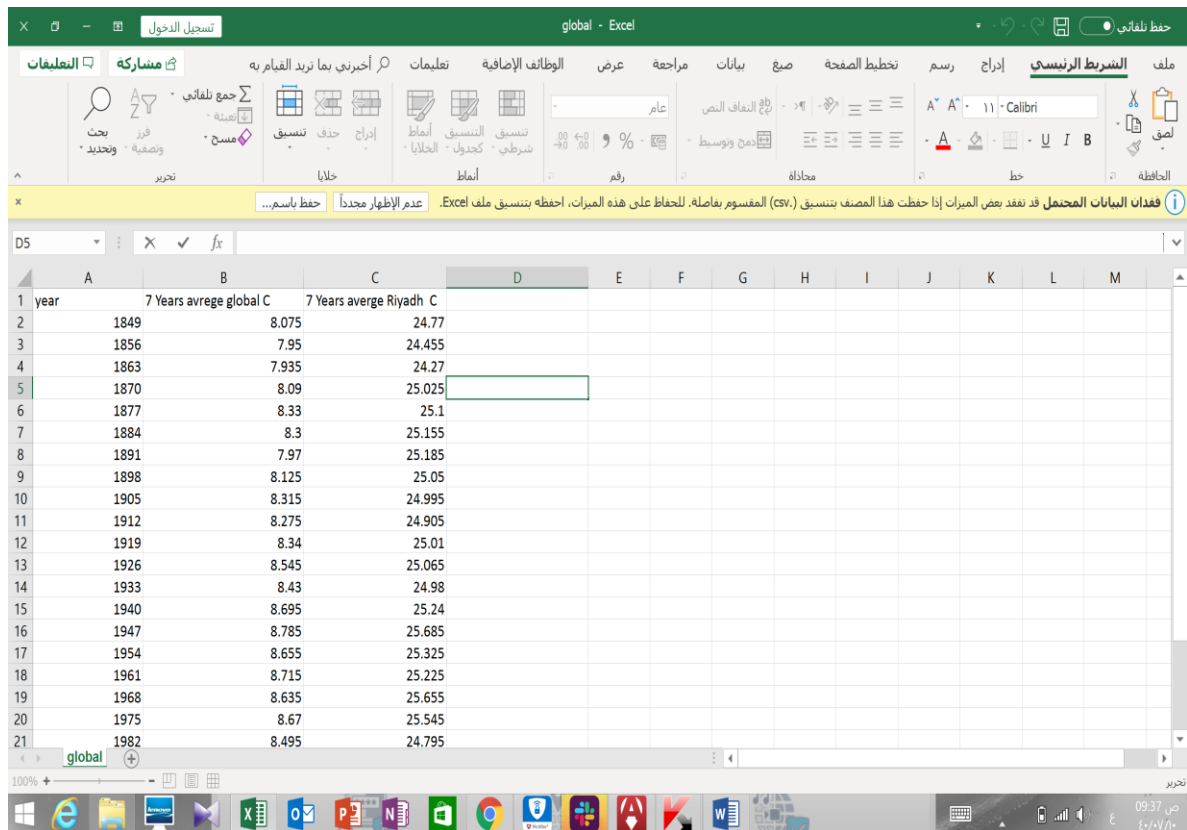
- First I write the query and download CSV file for the City and Global Data to get the data desired
- Second I used Microsoft Excel for analyzing these data

### Moving Average

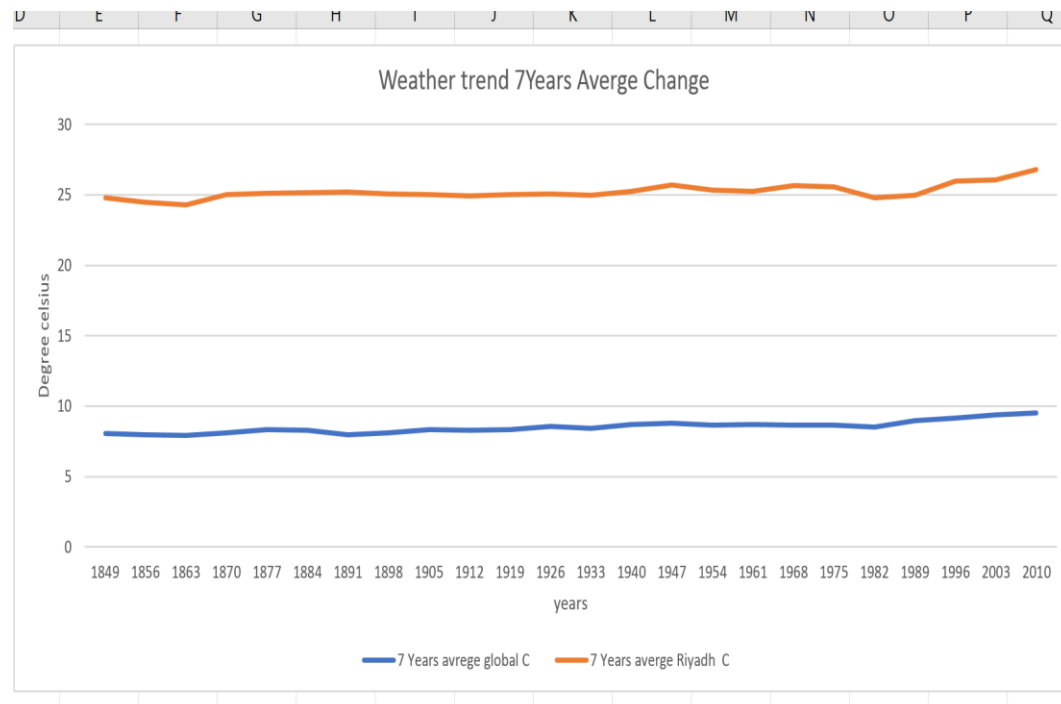
- For Observe the Trend temperature I calculate moving average
- I used 7Years MA to get smooth line chart

### Excel Command for moving average

Moving Average	Excel Command
For 7 –Years moving average	Average (B2:B8)



**Line Chart for Riyadh and global temperature:**



## Observation:

- Riyadh average temperature is varies between 24 to 27 degree and Global average temperature varies between 7 to 9 degree
- For comparison Average of Riyadh temperature are hotter than average of global temperature
- Both the average of Riyadh and global temperature have similar type of trend change over years (same up and down trend)
- At the end of years 2010 both average of Riyadh and global are getting hotter