Udacity Data Analyst NanoDgree

Weather Project 1

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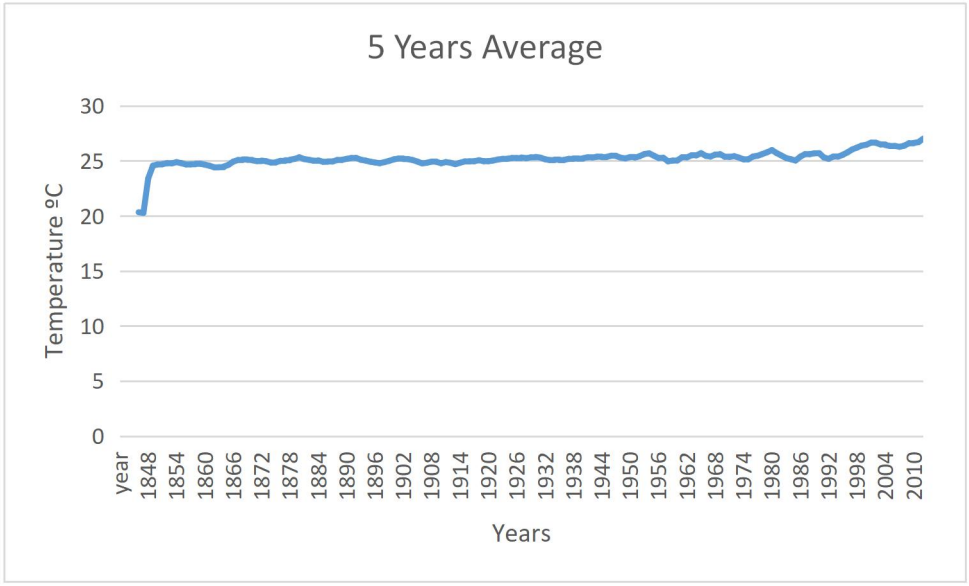
1. Tools Used in this Project:

- SQL to retrive Data from tables.
    - query Used (select cd.city,cd.country,cd.year, cd.avg_temp cat,
      gd.avg_temp gat
      from global_data gd
      join city_data cd
      on gd.year = cd.year
      where city like 'Riyadh'%')
    * Query was provided to me by the team in Slak.
- Excel to save data and draw charts

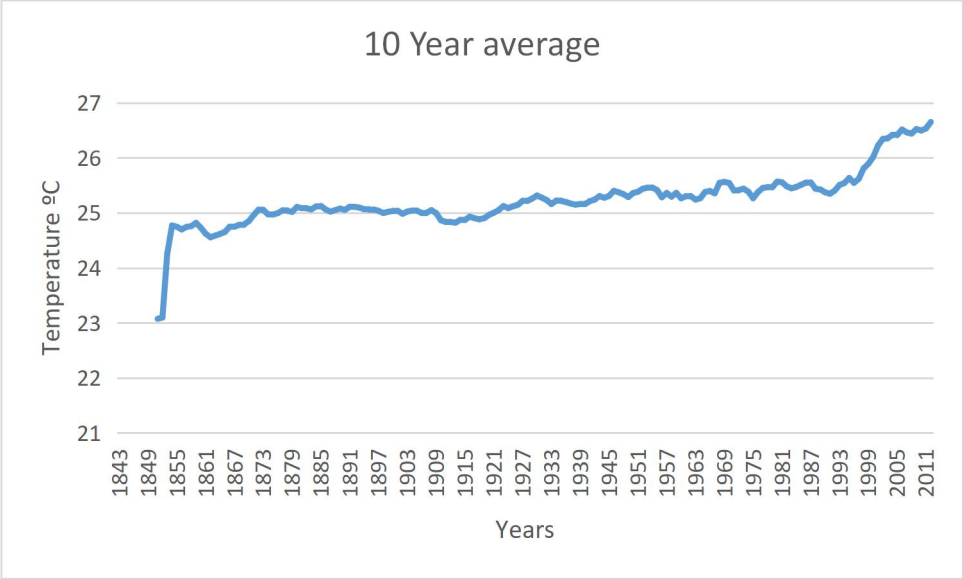
2. Moving Average

At first I didn't know what moving average number to use so I try 5 Years, but the result was not satisfying to me the line is almost Horizontal.
Example of 5 Year MA:

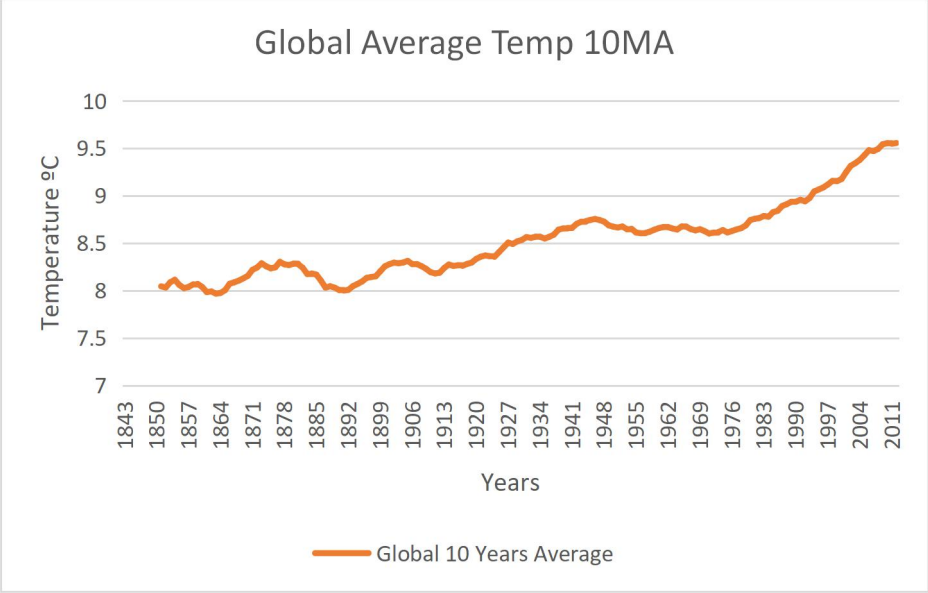


The 5 Years MA will not work on this example,it shown a flat line.

So I decide to change it to 10 Years MA and that's made it Easier to observe and understand.



Moving on to Global Average Temp using 10 MA



3. Observitions:

* Global Temperature start a rising trend in the mid 70's and still rising to this day.
* The difference between Riyadh and Global Temp is huge due to the fact that we living in desert and desert is the most affected by global warming
* the difference between early 90's and this day is almost a 1.0 ºC and that's just in 20 years.
* both results share one thing in common they rise in temperature in an alarming rate.