

### 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

1. 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

1. 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.