Data Analysis (First Project)

In this project I used the data from Global and my city (Riyadh) temperature to make some observation. I just took the last hundred years a period from 1900 to 2013.

steps taken to prepare the data to be visualized in the chart, such as:

1- What tools did you use for each step?

I used SQL to extract needed data

SQL query to extract Riyadh data:

SELECT year, avg_temp FROM city_data

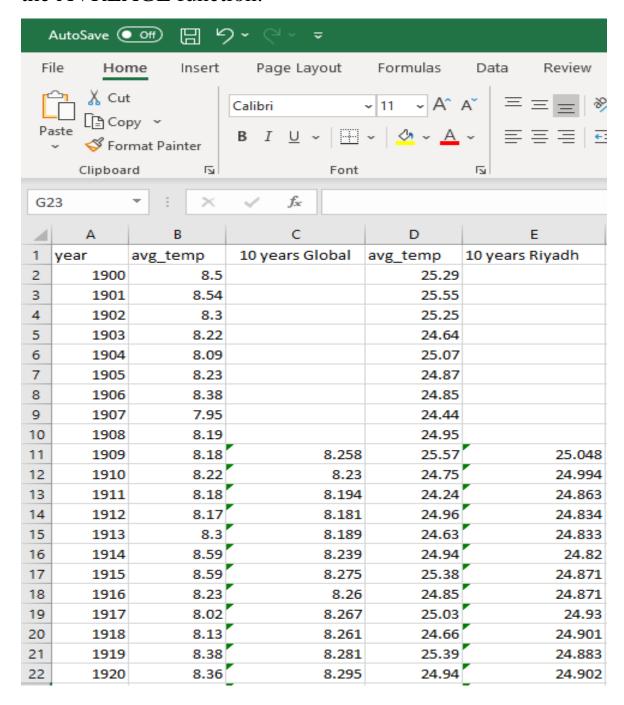
WHERE city = 'Riyadh' AND year >= 1900;

SQL query to extract Riyadh data:

SELECT year, avg_temp FROM global_data WHERE year >= 1900 AND year <= 2013;

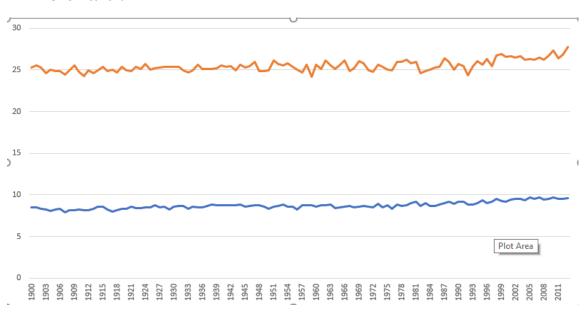
2- How did you calculate the moving average?

To calculate the moving average I calculated for 10 years using the AVREAGE function.



I use a line chart because it will give me a good vision to extract some observations.

-Line chart:



-My observations:

- 1-Riyadh average temperature is hotter than Global average temperature with a big difference.
- 2-the period from 1900-1990 is almost without changes on Riyadh and Global.
- 3-After 1991 until now Riyadh average temperature increases faster than the world.
- 4-Overall the world getting hotter but after 2001 it increases faster.