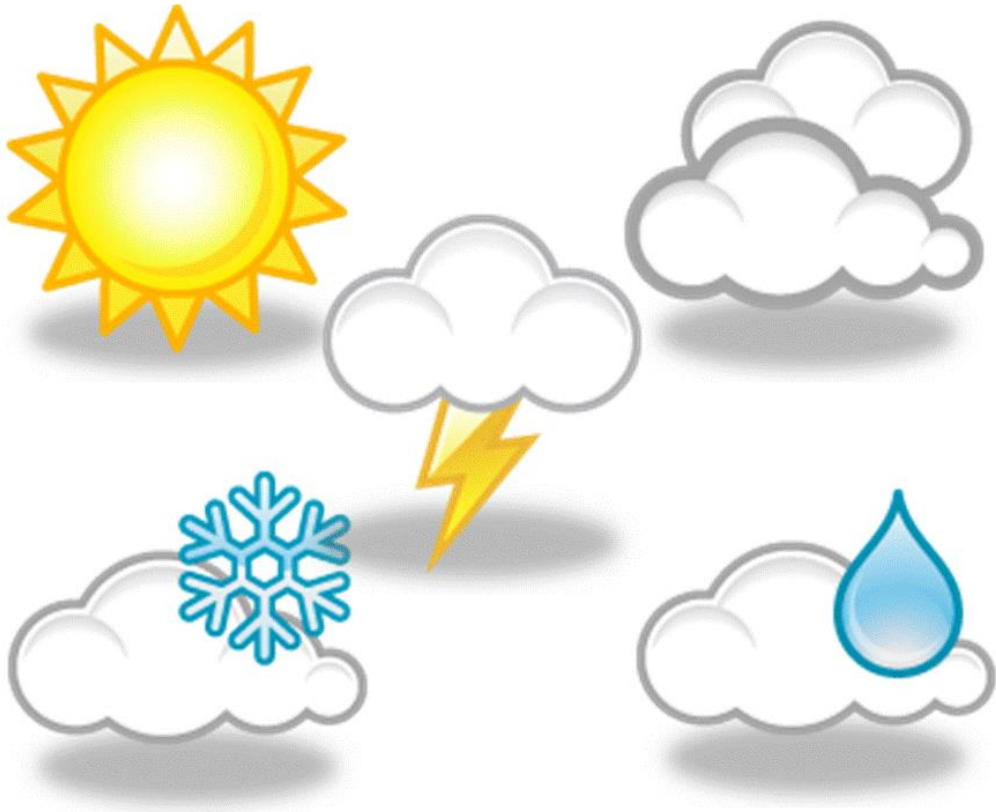# Explore Weather Trends

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The goal of project:

In this project, I will analyze local and global temperature data and compare the temperature trends where you live to overall global temperature trends .

SQL part

-Extract the data

I have extract data from the database in the website

Extract the data to see what city that in my country:

Select * from city_list where country='Saudi Arabia';

To select 'Riyadah' from the city_data:

Select * from city_data where city='Riyadh';
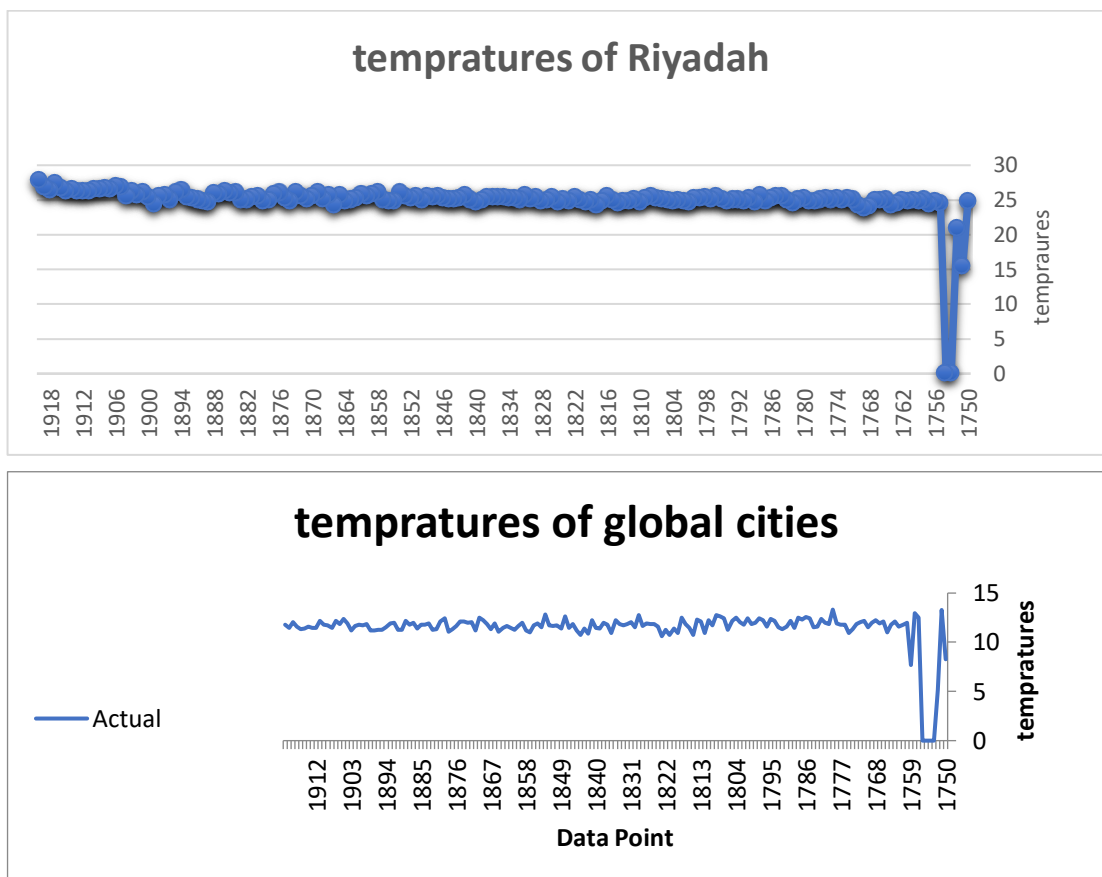
Last query for all global city:

Select * from global_data;

Analyze and calculating part

I analyst using excel

First calculate moving average of Riyadh by using a library of data analyses in excel , the interval was for 5 years

Then I got those chart line

tempratures of Riyadah

tempratures of global cities

The observations:

1-There is a clearly different between Riyadh and the global cities it appears a 5 points almost between Riyadh and the global cities.

2-As we can notice Riyadh hotter than the global cities .

3-Between 1750 and 1759 there is a closet in degree of temperatures between Riyadh and the global cities .

4-By passing of time the world become more hotter and the temperature increasing .

References:

Of pictures:

https://maldenps.org/beebe/blog/2019/01/11/welcome-back-2018-2019-school-year

calculating moving average:

https://www.statisticshowto.datasciencecentral.com/moving-average