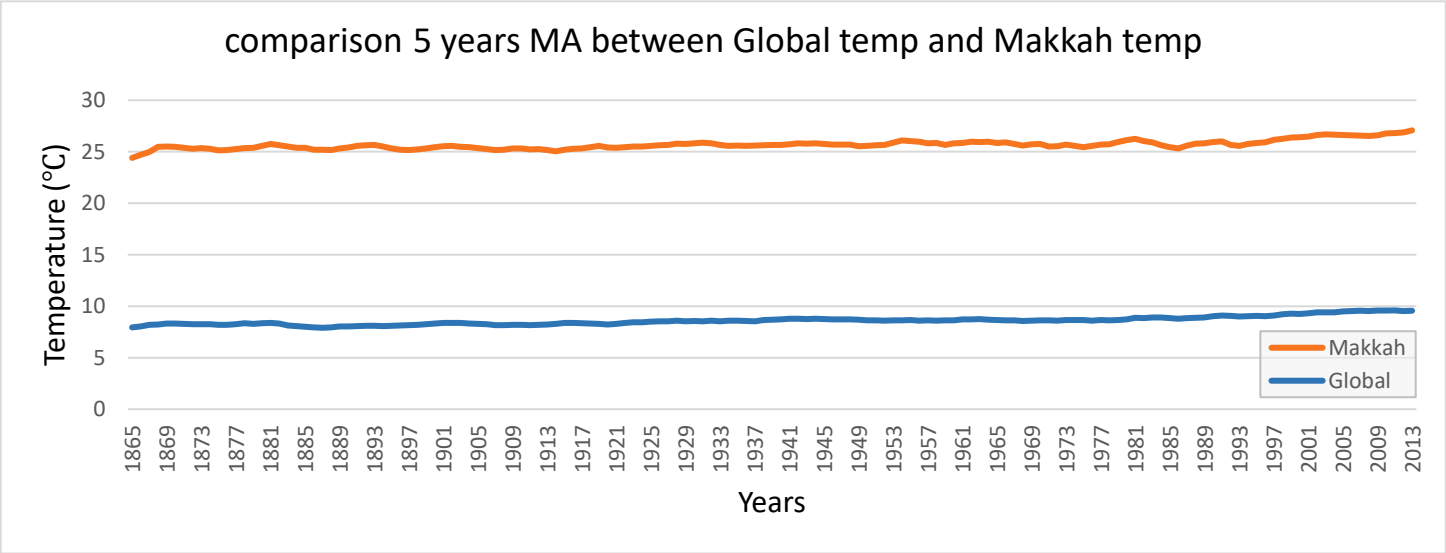
Weather Trends Project

for making this project I followed a few steps as we can see. I used SQL to extract the global data and makka city data (the city I live in) from the database in CSV format. It was extracted from 1861 to 2013 then I used Excel to calculate the moving average for my city data and global data just 5 years because we don't have data for long years after that I made the line chart that have the temperature of my city moving average and global moving average to make the visualization more clear I select the year I start from 1865 because the years before there is no moving average temp for them.



1. If when I see the line chart I observed the moving average of my city is between 25C and 27C and the moving average of Global is between 8C and 9C that's mean the temp of my city is hotter than the global.

2. moving average of my city is around 25C and the moving average of Global is around 8.5C which means there is a big difference between global temperatures and the temperatures in my city.

3. The second thing is the temperature of my city is stable at a rate of 25°C to 26°C until the year 2000, after which the temperature started to rise only until it reached in 2013 to 27C that's mean the temperature gitting hotter in my city from 2000.

4. Third I observe the moving average of global temperature is start from 7.936C in 1865 to 9.57C in 2013 that's mean the temperature increased 1.6C from 1865 to 2013 and the global is getting hotter.

5. The last thing is when we look to that the increase in my city from 2000 until 2013 has the same affected the globe as well

I made two queries and download everyone alone after that I merge them in excel.

Queries

```
select * FROM city_data
where city = 'Mecca'
and year between 1861 and 2013
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```
select * from global_data
where year between 1861 and 2013
```