

Explore Weather Trends



By: Dhuha Baqarish

The Queries that I use:

	SQL Command for Extracting Data
To select Mecca city in Saudi Arabia	SELECT * FROM city_data WHERE country='Saudi Arabia' AND city='Mecca' ;
To select global data	SELECT * FROM global_data ;

Approach to get the desired data :

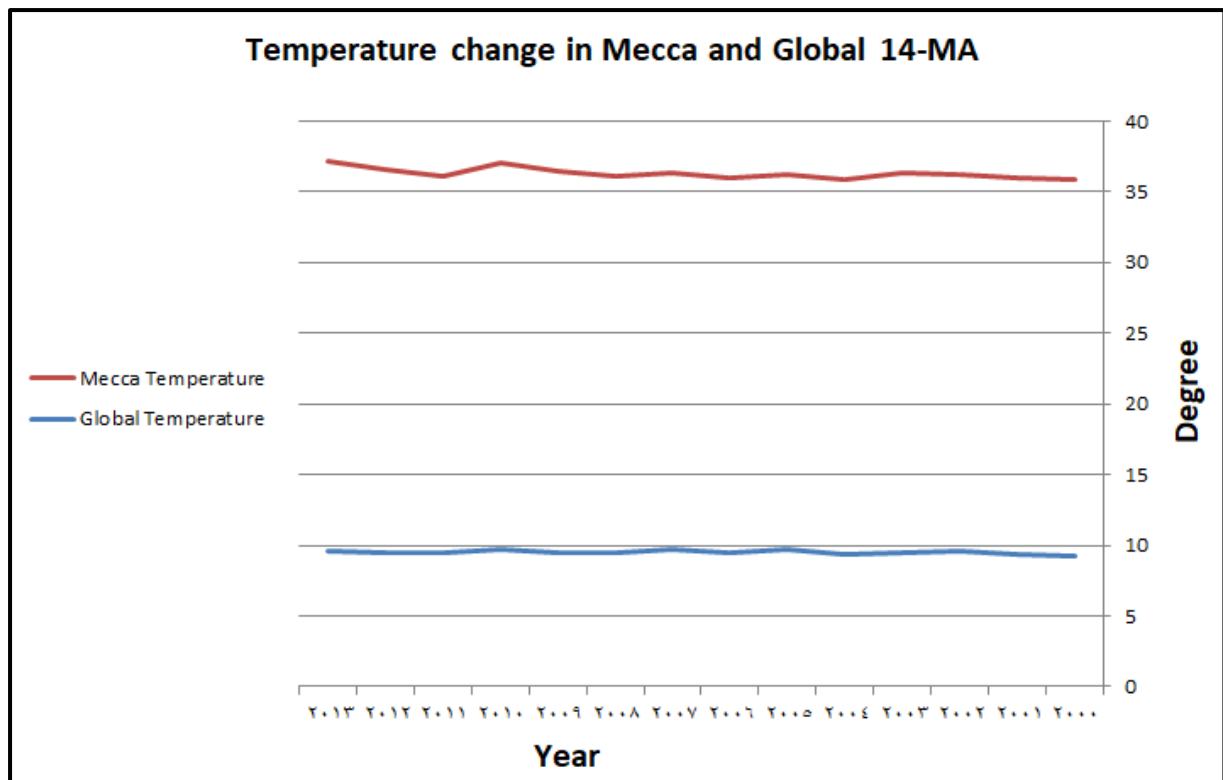
- I used Microsoft Excel For Analysis .
- I copied the Global data and City data in the same CSV file to get the desired data for analysis .

Moving averages

To observe the trends in temperature I calculated moving average , and I used 14 years Moving average to get the smooth line chart .

Moving Average	Excel Command for Moving Average
14 years Moving average	= AVERAGE(B141:B154)

Line Chart for Mecca and Global Temperature :



Observations :

- Mecca city is hotter on average compared to the global average
- Mecca city average temperature is various between 26.42 to 27.57 Degree Celsius but the Global average temperature is various between 9.2 to 9.73 Degree Celsius .
- According to the Graph the difference between Mecca city average temperature and Global average temperature is been consistent over the time .
- According to the Graph the world is getting hotter because from 2000 to 2013 temperature is increase .