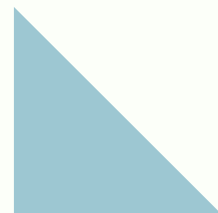
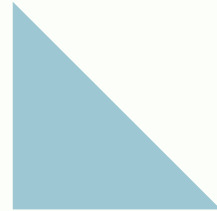
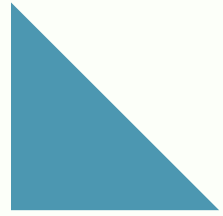


June 2021

Explore Weather Trends



in the beginning I choose Mecca as my local city and then I used sql to fetch that data I will analysis

iI entered select * from city_list; to choose my local city

Input

SCHEMA

city_data

city_list

city

country

global_data

1

select * from city_list;

Success!

EVALUATE

Output

342 results

[Download CSV](#)

Mecca	Saudi Arabia
Medan	Indonesia
Melbourne	Australia
Memphis	United States
Mesa	United States
Mexicali	Mexico
Miami	United States
Milan	Italy

and then I entered select * from city_data WHERE city='Mecca';to get local data temperature

SCHEMA

city_data

city_list

global_data

1

select * from city_data WHERE city='Mecca';

Success!

EVALUATE

Output

171 results

[Download CSV](#)

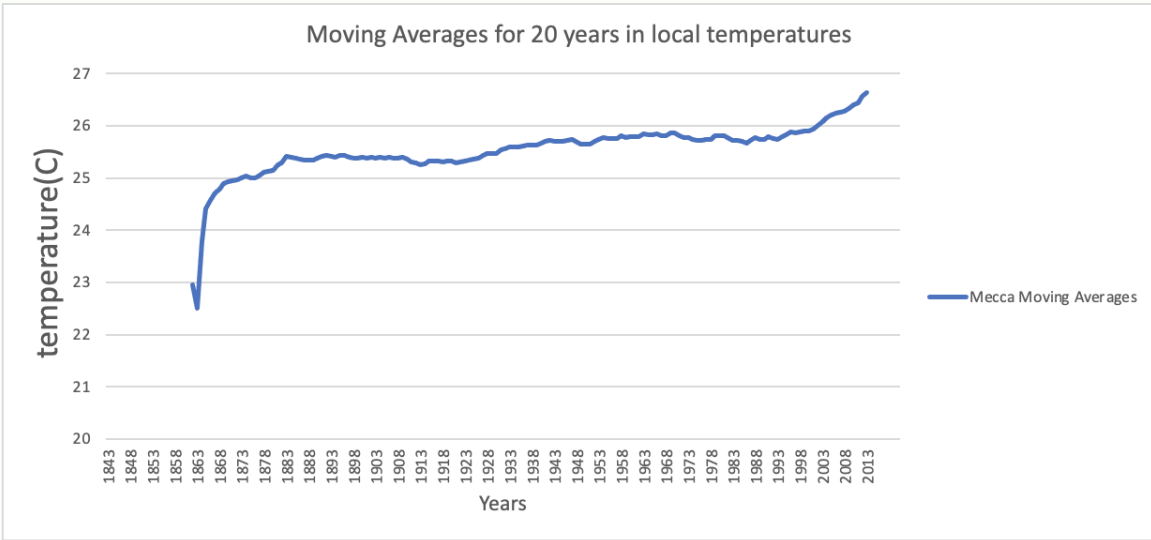
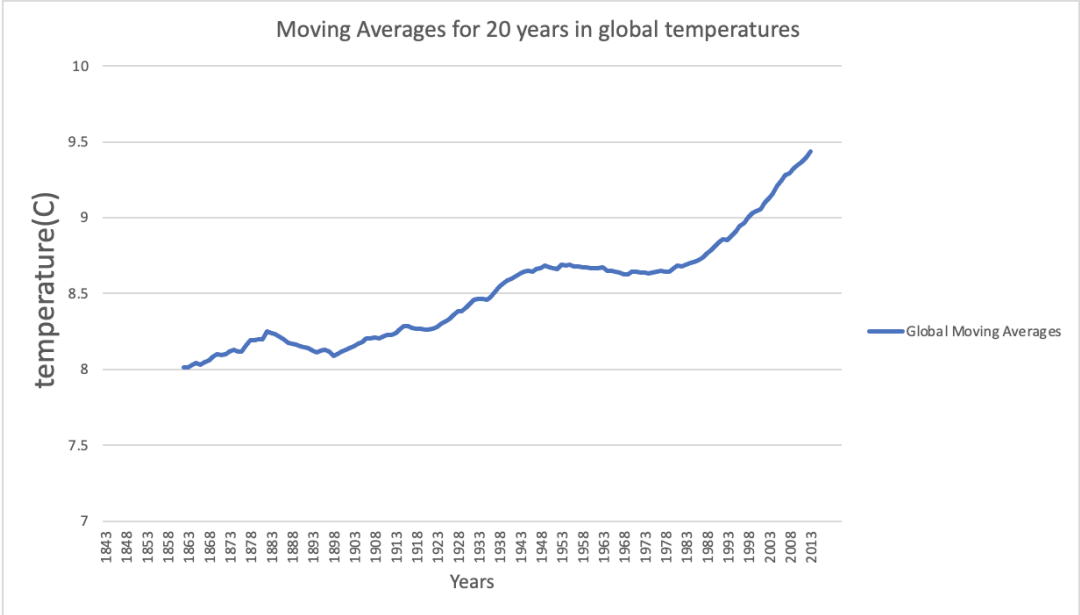
year	city	country	avg_temp
1843	Mecca	Saudi Arabia	25.16
1844	Mecca	Saudi Arabia	19.05
1845	Mecca	Saudi Arabia	22.46
1846	Mecca	Saudi Arabia	
1847	Mecca	Saudi Arabia	
1848	Mecca	Saudi Arabia	

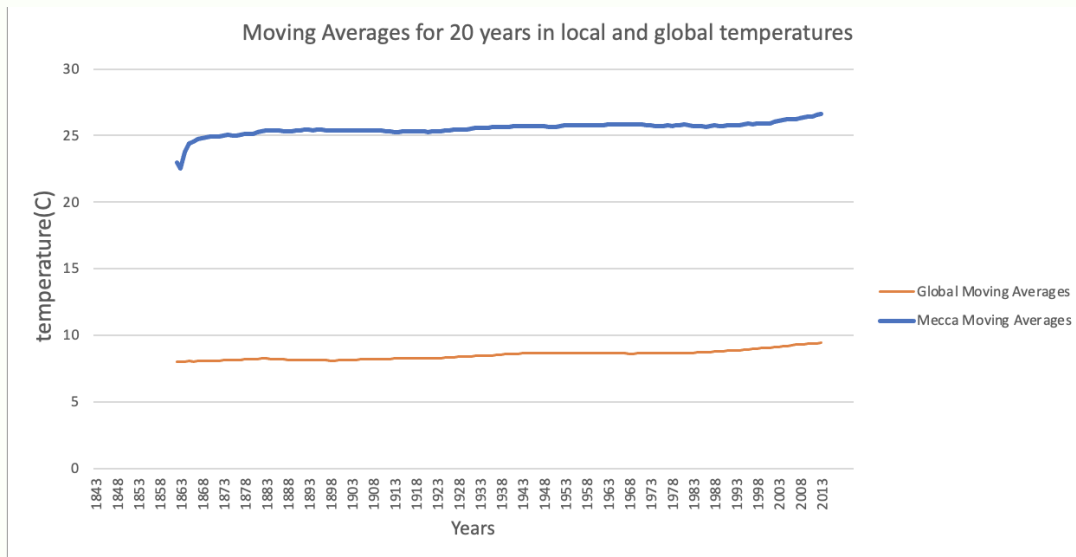
and select * from global_data; to get global data temperature

Input		HISTORY	MENU
SCHEMA		1	<code>select * from global_data;</code>
city_data	▼		
city_list	▼		
global_data	▲		
year			
avg_temp		Success!	EVALUATE
Output		266 results	Download CSV
year	avg_temp		
1750	8.72		
1751	7.98		
1752	5.78		
1753	8.39		
1754	8.47		
1755	8.36		

- and I used excel to analysis the data and visualize moving average and I calculate moving average by using this formula `=AVERAGE(cells)`.

Home Insert Draw Page Layout Formulas Data Review View XLSTAT Tell me										
		Calibri (Body) 12 A ⁺ A ⁻								General
J21										
year	avg_temp	Global Moving Averages			year	city	country	avg_temp	Mecca Moving Averages	
1843	8.17				1843	Mecca	Saudi Arabia	25.16		
1844	7.65				1844	Mecca	Saudi Arabia	19.05		
1845	7.85				1845	Mecca	Saudi Arabia	22.46		
1846	8.55				1846	Mecca	Saudi Arabia			
1847	8.09				1847	Mecca	Saudi Arabia			
1848	7.98				1848	Mecca	Saudi Arabia			
1849	7.98				1849	Mecca	Saudi Arabia			
1850	7.9				1850	Mecca	Saudi Arabia			
1851	8.18				1851	Mecca	Saudi Arabia			
1852	8.1				1852	Mecca	Saudi Arabia			
1853	8.04				1853	Mecca	Saudi Arabia			
1854	8.21				1854	Mecca	Saudi Arabia			
1855	8.11				1855	Mecca	Saudi Arabia			
1856	8				1856	Mecca	Saudi Arabia			
1857	7.76				1857	Mecca	Saudi Arabia			
1858	8.1				1858	Mecca	Saudi Arabia			
1859	8.25				1859	Mecca	Saudi Arabia			
1860	7.96				1860	Mecca	Saudi Arabia			
1861	7.85				1861	Mecca	Saudi Arabia	23.98		
1862	7.56	8.0145			1862	Mecca	Saudi Arabia	13	22.956	
1863	8.11	8.0115			1863	Mecca	Saudi Arabia	13	22.498	
1864	7.98	8.028			1864	Mecca	Saudi Arabia	25.43	23.774	
1865	8.18	8.0445			1865	Mecca	Saudi Arabia	25.6	24.402	
1866	8.29	8.0315			1866	Mecca	Saudi Arabia	25.42	24.57166667	
1867	8.44	8.049			1867	Mecca	Saudi Arabia	25.62	24.72142857	
1868	8.25	8.0625			1868	Mecca	Saudi Arabia	25.3	24.79375	
1869	8.43	8.085			1869	Mecca	Saudi Arabia	25.65	24.88888889	
1870	8.2	8.1			1870	Mecca	Saudi Arabia	25.35	24.935	
1871	8.45	8.095			1871	Mecca	Saudi Arabia	24.05	24.05	





My observations that is:

- 1- my city temperatures are hotter than global temperatures almost three times.
- 2- the temperatures increase with the time increase for both my city and global temperatures in the last years.
- 3- the world become hotter through the years.
- 4- I notice in the global temperatures increase and decrease clearly unlike my city it seems there is a little of decrease and big increase.