[EXPLORING WEATHER TRENDS]

[1] [Extract the data]

[The SQL query to extract the city level data.]

Input			HISTORY ∨	MENU ∨

```
1   Select * From city_list
2   Where country = 'Saudi Arabia';
```

SCHEMA
- city_data
- city_list
- global_data

Success!   EVALUATE

Output 2 results   ↓ Download CSV

city	country
Mecca	Saudi Arabia

[The SQL query to extract the city data.]

Input			HISTORY ∨	MENU ∨

```
1   Select * From city_data
2   Where country = 'Saudi Arabia'
3   And City = 'Mecca';
```

SCHEMA
- city_data
- city_list
- global_data

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	
1849	Mecca	Saudi Arabia	
1850	Mecca	Saudi Arabia	

∧ Menu   ⟷ Expand

[The SQL query to extract global data.]

Input		HISTORY ∨	MENU ∨

SCHEMA	↻	1	Select * From global_data;
city_data	∨		
city_list	∨		
global_data	∨		

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
1756	8.85
1757	9.02

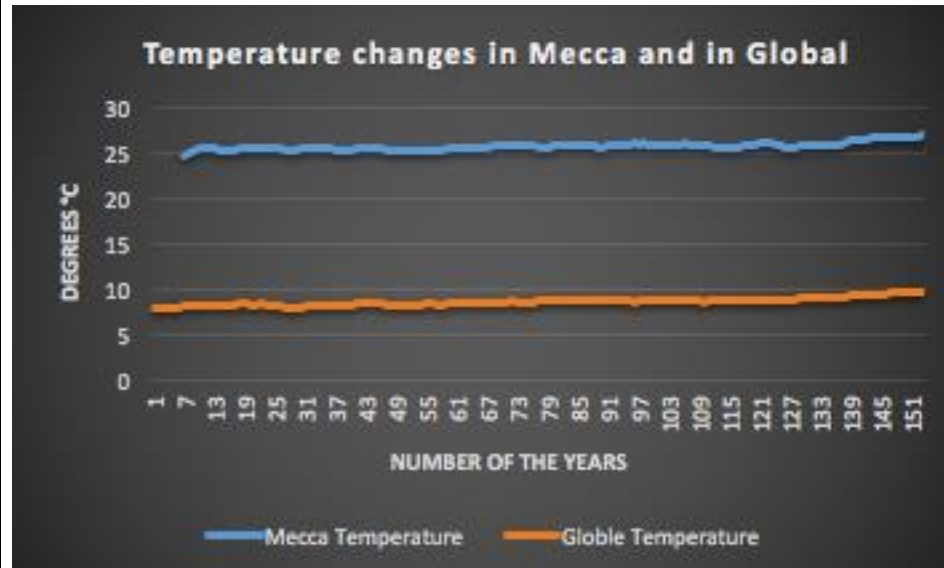⌃ Menu   ⛶ Expand

[2] [Moving Averages]

[Some of the calculate moving average(MA) to get the line chart.]

year	city	country	avg_temp	
1861	Mecca	Saudi Arabia	23.98	
1862	Mecca	Saudi Arabia	24.13	
1863	Mecca	Saudi Arabia	22.87	
1864	Mecca	Saudi Arabia	25.43	
1865	Mecca	Saudi Arabia	25.6	
1866	Mecca	Saudi Arabia	25.42	
1867	Mecca	Saudi Arabia	25.62	24.7214286
1868	Mecca	Saudi Arabia	25.3	24.91
1869	Mecca	Saudi Arabia	25.65	25.1271429
1870	Mecca	Saudi Arabia	25.35	25.4814286
1871	Mecca	Saudi Arabia	24.97	25.4157143
1872	Mecca	Saudi Arabia	25.2	25.3585714
1873	Mecca	Saudi Arabia	25.57	25.38
1874	Mecca	Saudi Arabia	25.32	25.3371429
1875	Mecca	Saudi Arabia	24.53	25.2271429
1876	Mecca	Saudi Arabia	25.13	25.1528571
1877	Mecca	Saudi Arabia	25.81	25.2185714
1878	Mecca	Saudi Arabia	25.94	25.3571429
1879	Mecca	Saudi Arabia	25.57	25.41

[3] [Line Chart]

[4] [observations]

- [If we compare Mecca temperature to the global average, it means that Mecca is hotter than the global average, and the difference has been changed a little bit over time.]

- [Mecca average temperature over time it is around between 22.87 to 27.57, and the global average temperature it is around between 7.56 to 9.7, it is means the global average temperature cooler than Mecca city.]

- [Regarding the line chart, Mecca and global average temperatures are the weather and temperature is in the increase to be hotter over time.]

- [When looking to the line chart and average temperatures, Mecca city in the general over time is increased by 6 degrees, and the global average temperature in the general over time is increased by 3 degrees.]

[Hella Almohesiny]