



UDACITY

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The simple query SQL

Input

HISTORY ▾

MENU ▾

SCHEMA

↺

city_data

▾

city_list

▾

global_data

▾

1 `select *`

2 `from global_data`

Success!

EVALUATE

Output

266 results

[Download CSV](#)

year	avg_temp
1750	8.72
1751	7.98
1752	5.78

The simple query SQL

Input

SCHEMA

city_data

city_list

global_data

↺

▼

▼

▼

HISTORY ▼

MENU ▼

1 select *

2 from city_list

3 where country='Saudi Arabia';

4

Success!

EVALUATE

Output

2 results

[Download CSV](#)

The simple query SQL

Input

HISTORY ▾

MENU ▾

SCHEMA ↺

city_data ▾

city_list ▾

global_data ▾

1 select *

2 from city_data

3 where country='Saudi Arabia' And city='Riyadh';

4

Success!

EVALUATE

Output 171 results

⬇ Download CSV

year	city	country	avg_temp
1843	Riyadh	Saudi Arabia	24.74
1844	Riyadh	Saudi Arabia	15.45
1845	Riyadh	Saudi Arabia	20.82
1846	Riyadh	Saudi Arabia	
1847	Riyadh	Saudi Arabia	
1848	Riyadh	Saudi Arabia	24.56

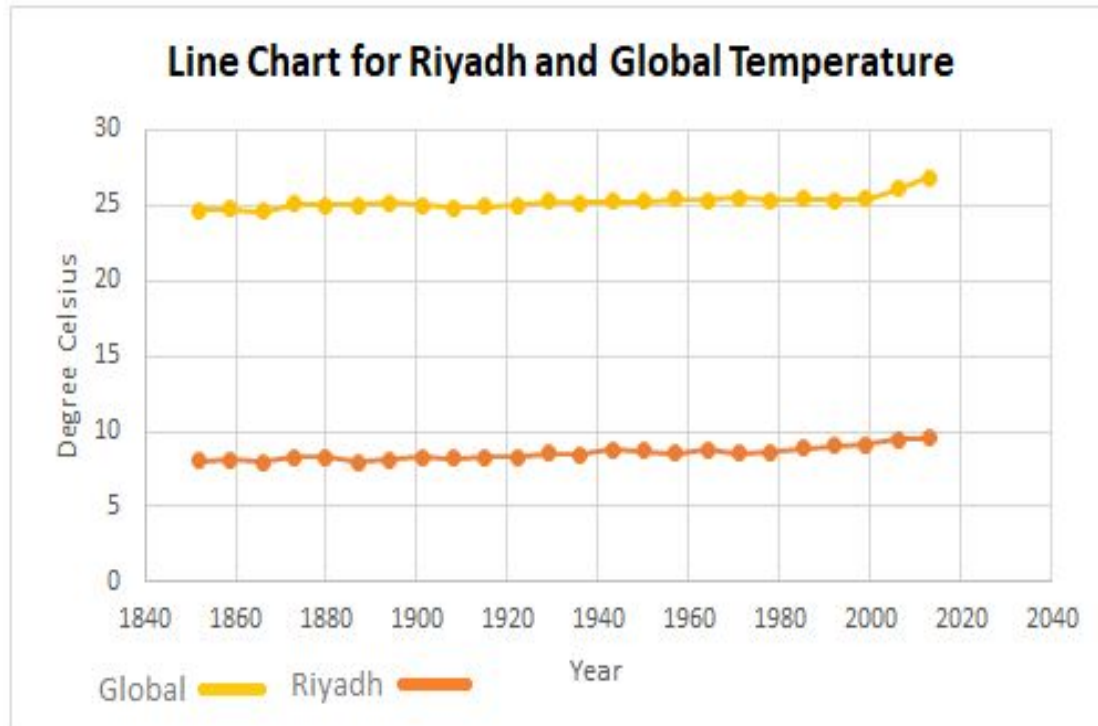
How calculate Moving Average

COUNT		✕ ✓ <i>fx</i>		=AVERAGE(B2:B8)		
	A	B	C	D	E	
1	year	avg_temp	Avg_Temp			
2	1790	7.98	=AVERAGE(B2:B8)			
3	1791	8.23	AVERAGE(number1, [number2], ...)			
4	1792	8.09				
5	1793	8.23	7.962857			
6	1794	8.53	7.2			
7	1795	8.35	7.91			
8	1796	8.27	8.261429			
			7.655714			

For 7 years Moving Average

Average(B2:B8)

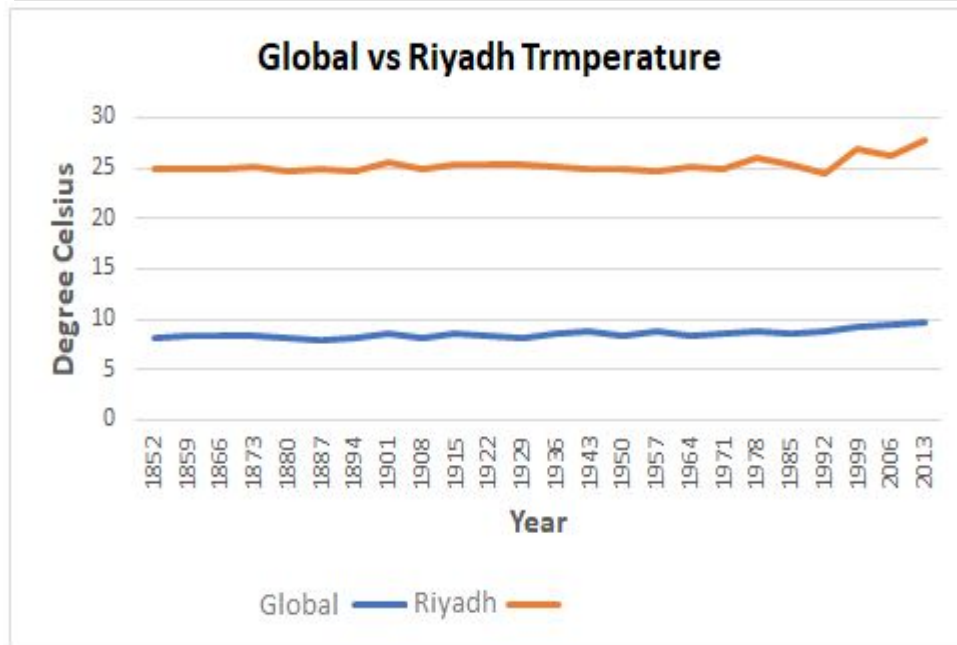
Line Chart for Riyadh and Global Temperature



Observations

1. Global average temperature is varies between 8.03 to 9.57 Degree Celsius but Riyadh city average temperature is varies between 24.71 to 26.82 Degree Celsius.
2. If comparing the Global average temperature and Riyadh average temperature then the Riyadh city is hotter than Global average temperature.
3. According to the graph above the difference between Global average temperature and Riyadh average temperature is been consistent over time.
4. Riyadh and Global average temperature have similar kind of trends. During early years, both trends seems to have ups and downs then approx. around 1992 the moving average temperature starts to increase at a steady rate.
5. According to the graph the world is getting hotter because from 1848 to 2013 temperature is increases.

Conclusion Line Chart



from this line chart, we can see that eventually the graph is moving upward which means the global temperature is rising which is directly proportional to increase in temperatures of the city.