

Explore weather trend project:

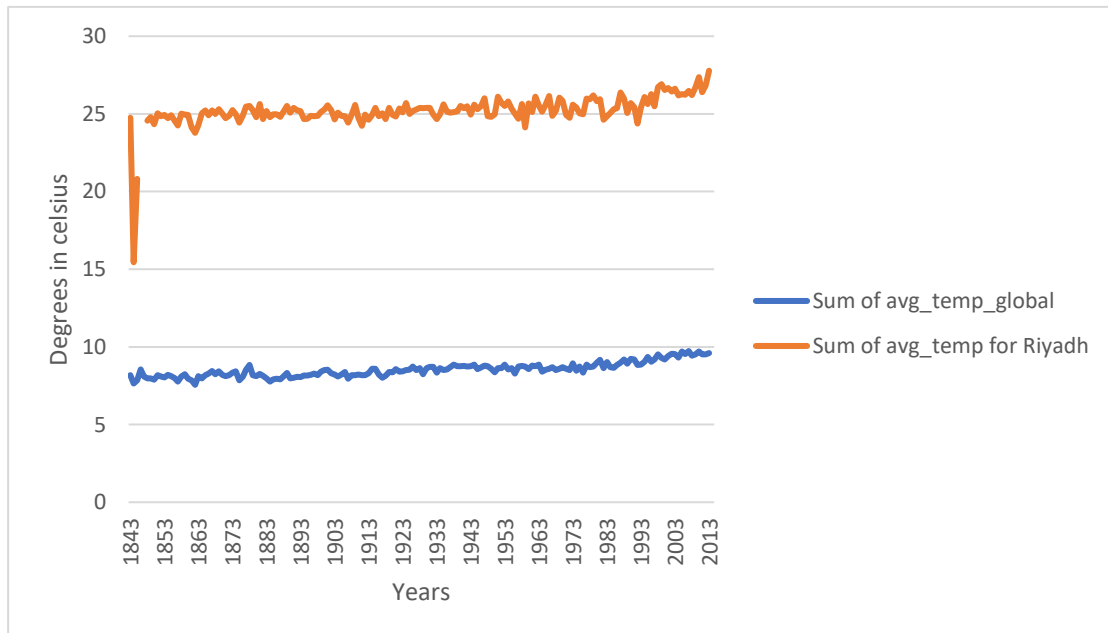
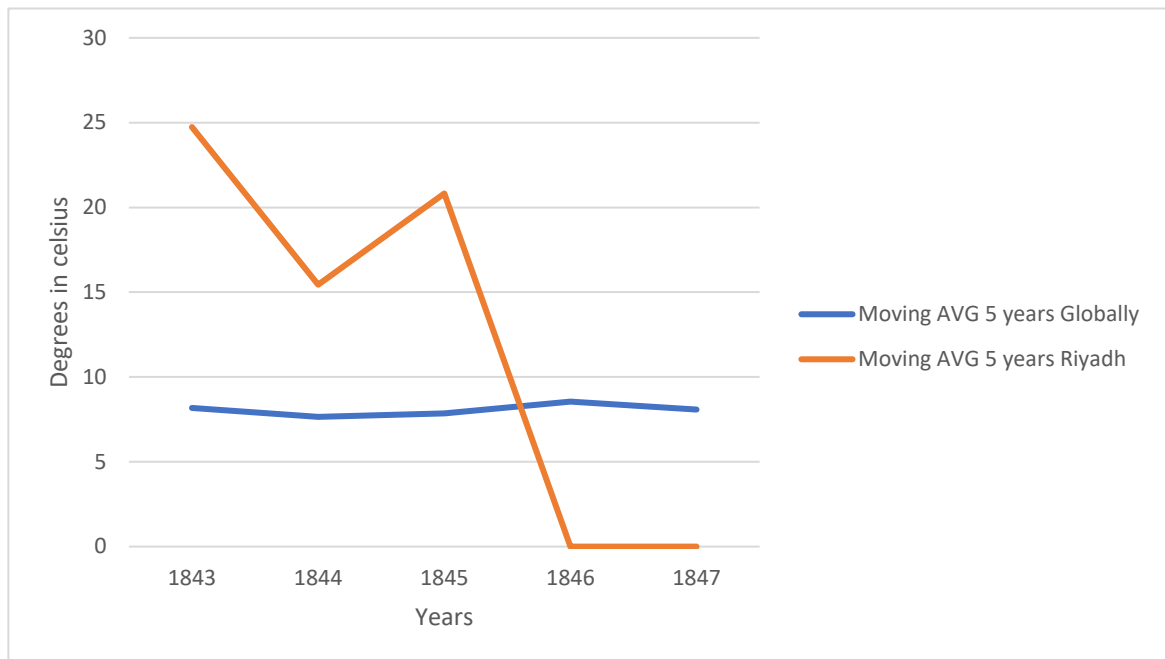
1) Extract Data from DB:

```
- SELECT city_data.year,  
        city_data.avg_temp as city_temp,  
        global_data.avg_temp as global_temp  
FROM city_data, global_data  
WHERE city_data.year = global_data.year  
AND NOT city_data.avg_temp IS NULL  
AND city_data.city = 'Riyadh'
```

2) Manipulate Data using Excel:

The picture bellow show how I count Moving Average .

	A	B	C	D	E	F	G	H	I
1	year	city	country	avg_temp	MAVG 5 for	avg_temp_global	MAVG 5 globally		
2	1843	Riyadh	Saudi Arabia	24.74	24.74	8.17	8.17		
3	1844	Riyadh	Saudi Arabia	15.45	15.45	7.65	7.65		
4	1845	Riyadh	Saudi Arabia	20.82	20.82	7.85	7.85		
5	1846	Riyadh	Saudi Arabia		0	8.55	8.55		
6	1847	Riyadh	Saudi Arabia		0	8.09	8.09		
7	1848	Riyadh	Saudi Arabia	24.56		7.98			
8	1849	Riyadh	Saudi Arabia	24.8		7.98			
9	1850	Riyadh	Saudi Arabia	24.34		7.9			
10	1851	Riyadh	Saudi Arabia	25.03		8.18			
11	1852	Riyadh	Saudi Arabia	24.85		8.1			
12	1853	Riyadh	Saudi Arabia	24.02		8.04			



3) Observations:

- Riyadh Moving AVG temperature fall from 25 to 0 in 1843 and 1847.
- Global Moving AVG temperature fluctuate between 7 to 9 through these five years.
- Riyadh Moving AVG temperature in 1846 and 1847 become steady rate.
- In the overall Moving AVG temperature in Global is less changeable than in Riyadh in these five years.

Thank you.

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