

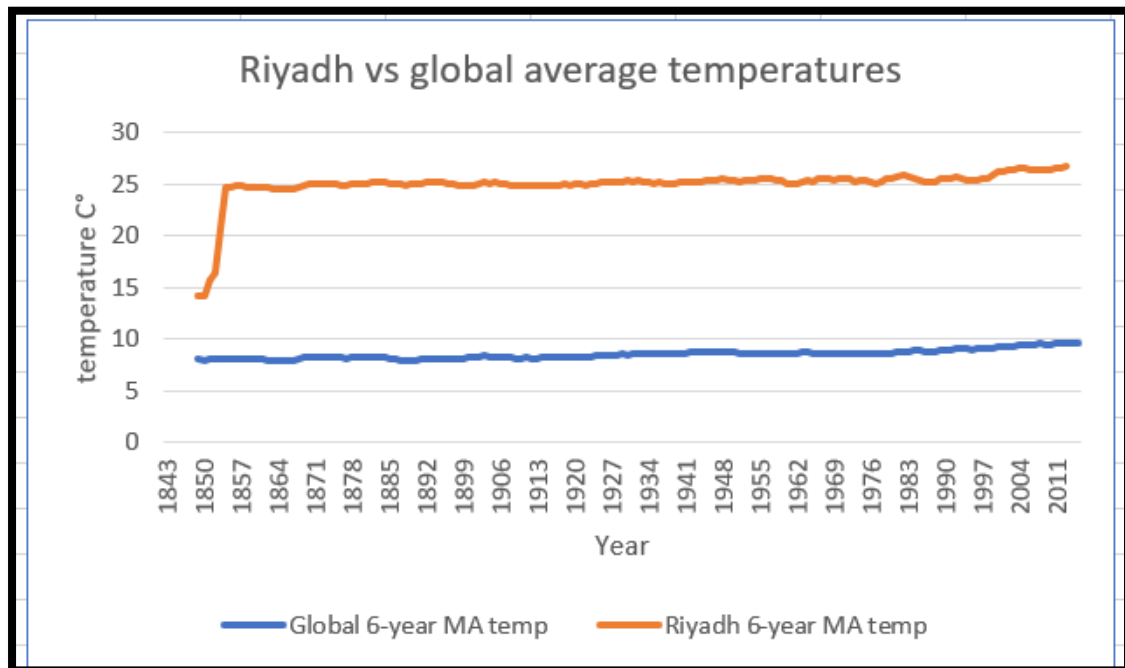
Project 1: Explore Weather Trends

Data by : **Alhanoof Alrayes**

This project, analyze local and global temperature data and compare the temperature trends in Riyadh to overall global temperature trends.

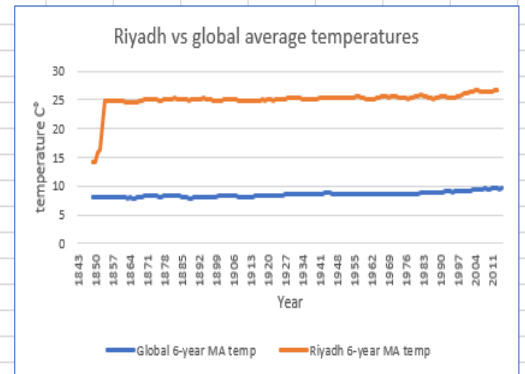
Below is the answer of the Project :

Line chart:



Data on excel sheet:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	year	avg_temp		Global 6-year MA temp		year	city	country	avg_temp	Riyadh 6-year MA temp									
2	1843	8.17				1843	Riyadh	Saudi Ara	24.74										
3	1844	7.65				1844	Riyadh	Saudi Ara	15.45										
4	1845	7.85				1845	Riyadh	Saudi Ara	20.82										
5	1846	8.55				1846	Riyadh	Saudi Arabia											
6	1847	8.09				1847	Riyadh	Saudi Arabia											
7	1848	7.98				1848	Riyadh	Saudi Ara	24.56										
8	1849	7.98		8.048333333		1849	Riyadh	Saudi Ara	24.8	14.26166667									
9	1850	7.9		8.016666667		1850	Riyadh	Saudi Ara	24.34	14.27166667									
10	1851	8.18		8.058333333		1851	Riyadh	Saudi Ara	25.03	15.75333333									
11	1852	8.1		8.113333333		1852	Riyadh	Saudi Ara	24.85	16.455									
12	1853	8.04		8.038333333		1853	Riyadh	Saudi Ara	24.93	20.59666667									
13	1854	8.21		8.03		1854	Riyadh	Saudi Ara	24.72	24.75166667									
14	1855	8.11		8.068333333		1855	Riyadh	Saudi Ara	24.92	24.77833333									
15	1856	8		8.09		1856	Riyadh	Saudi Ara	24.57	24.79833333									
16	1857	7.76		8.106666667		1857	Riyadh	Saudi Ara	24.26	24.83666667									
17	1858	8.1		8.036666667		1858	Riyadh	Saudi Ara	25.01	24.70833333									
18	1859	8.25		8.036666667		1859	Riyadh	Saudi Ara	24.95	24.735									
19	1860	7.96		8.071666667		1860	Riyadh	Saudi Ara	24.94	24.73833333									
20	1861	7.85		8.03		1861	Riyadh	Saudi Ara	24.13	24.775									
21	1862	7.56		7.986666667		1862	Riyadh	Saudi Ara	23.77	24.64333333									
22	1863	8.11		7.913333333		1863	Riyadh	Saudi Ara	24.28	24.51									
23	1864	7.98		7.971666667		1864	Riyadh	Saudi Ara	25.03	24.51333333									
24	1865	8.18		7.951666667		1865	Riyadh	Saudi Ara	25.23	24.51666667									



a line chart showing 6-year moving averages

SQL :

Input

HISTORY

MENU

SCHEMA

city_data

city_list

global_data

year

avg_temp

1

2

3

4

5

6

SELECT * FROM global_data;

SELECT * FROM city_data where city = 'Riyadh';

Success!

EVALUATE

Observations:

1. As per the graph, it shows that Riyadh average temperature is hotter than the globe
2. You can Find consistency in Globe temperature more than Riyadh
3. An interesting temperature drop in Riyadh, around the year 1850, the temperature average dropped to 15 c°
4. The Globe temperature is increasing by time as the average were less than 10 c° in 1950 while it increases to nearly 10 c° in 2011
5. An increase in Riyadh average temperature is clear within the chart
6. overall trend and data shows that most probably the global warming is affecting the universe, as the temperature is increasing slightly by time