

UDACITY

First project

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Data Analyst Nanodegree Program

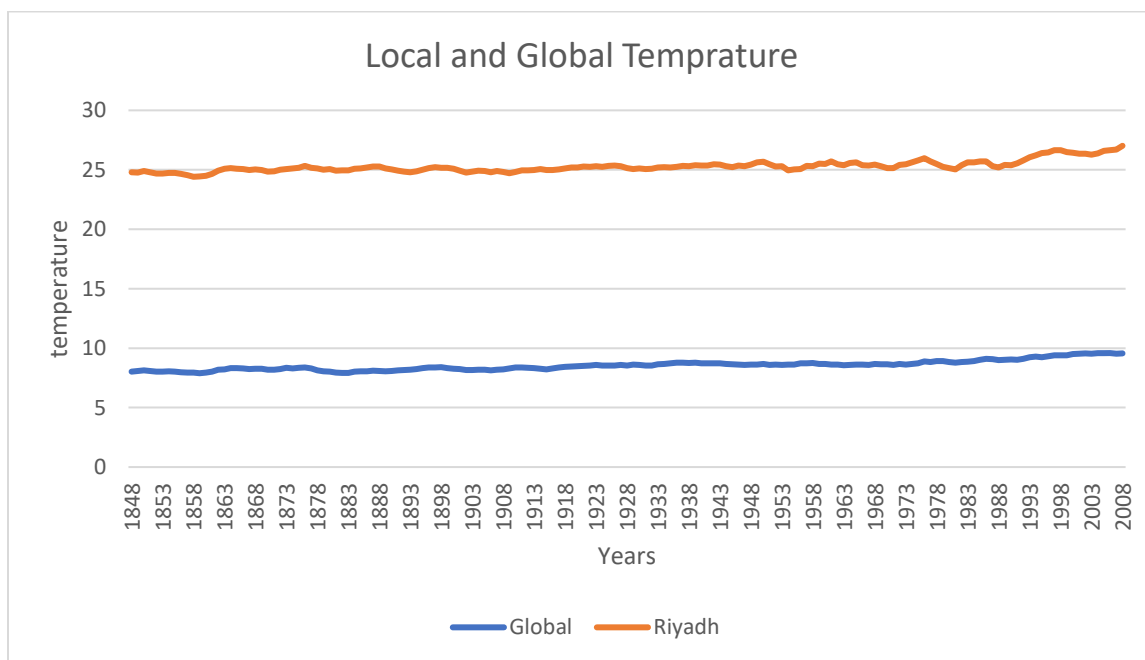
In this project I will discuss and comparing local and global temperature, I took the data from database using this SQL queries:

- **select * from global_data**
- **select * from city_data where city='Riyadh'**

then I used a concept of moving average it's a function in Excel called "AVERAGE" to make smother result in the line chart. Moving average period in this project was 5 years.

	A	B	C	D	E	F	G
1	year	city	country	avg_temp	global_avg_temp	Global	Riyadh
2	1848	Riyadh	Saudi Arab	24.56	7.98		
3	1849	Riyadh	Saudi Arab	24.8	7.98		
4	1850	Riyadh	Saudi Arab	24.34	7.9		
5	1851	Riyadh	Saudi Arab	25.03	8.18		
6	1852	Riyadh	Saudi Arab	24.85	8.1	=AVERAGE(E2:E6)	
7	1853	Riyadh	Saudi Arab	24.93	8.04	8.04	24.79
8	1854	Riyadh	Saudi Arab	24.72	8.21	8.086	24.774

the following line chart was created in Excel to show the comparison of local and global temperature.



As we can see the Riyadh city is hotter than global average we can also look at the last few years in Riyadh the line is moving up over all the world get little bit hotter and hasn't the trend been consistent over the last few hundred years