Frist project: Explore Weather Trends

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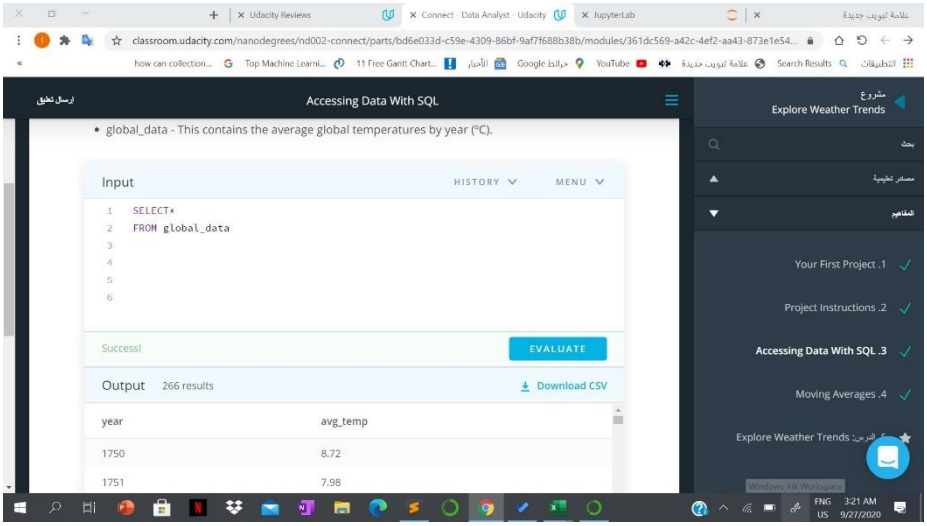
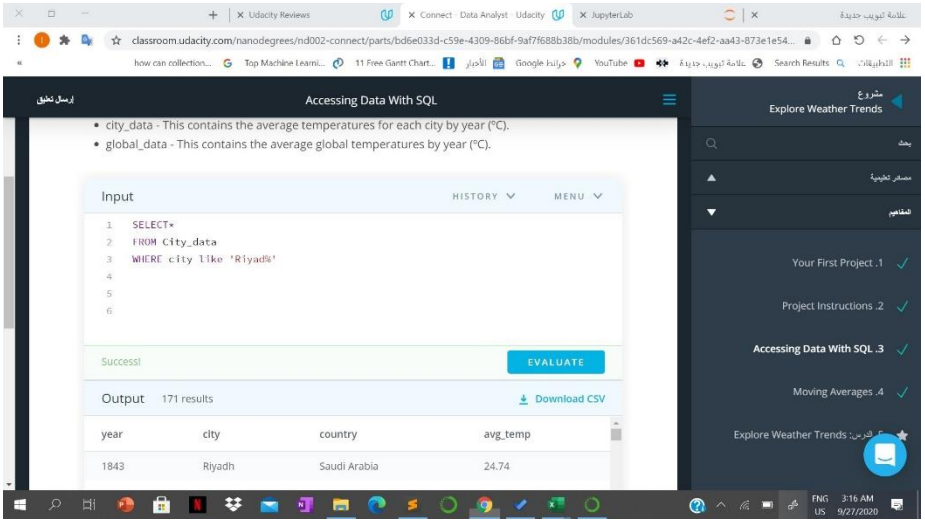
1- First extract data from the database

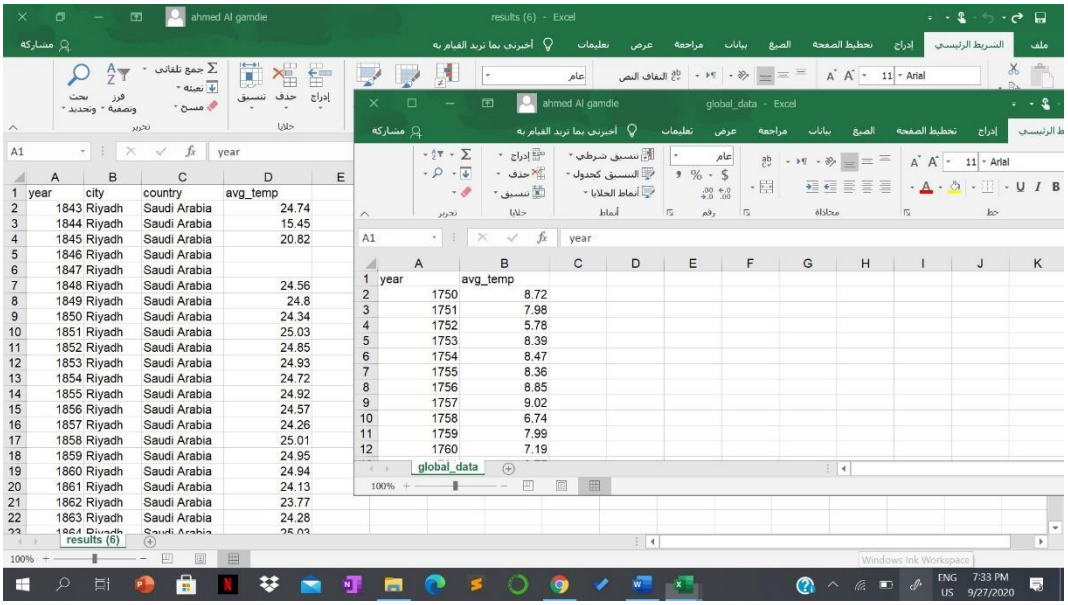
- Download the table global_data :



- then download table city data and specific the city Riyadh :

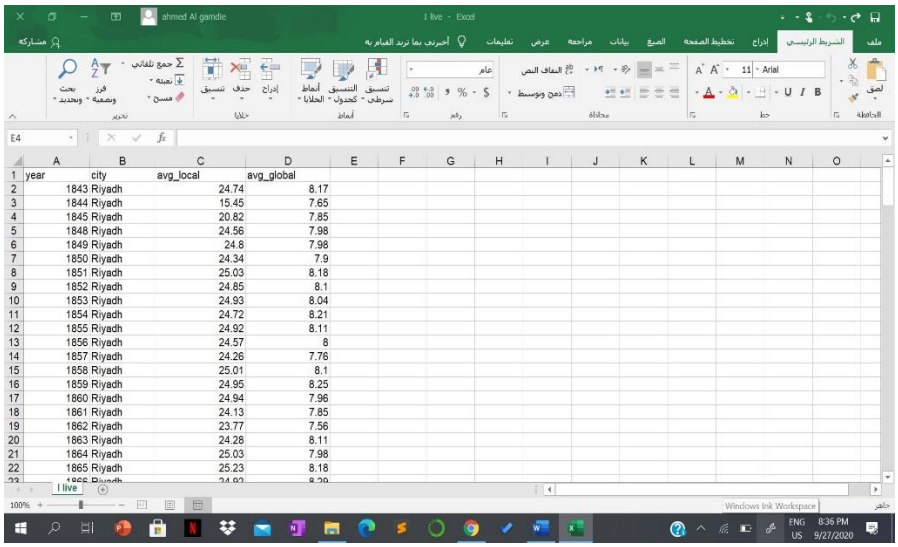


- then open the two files in excel:



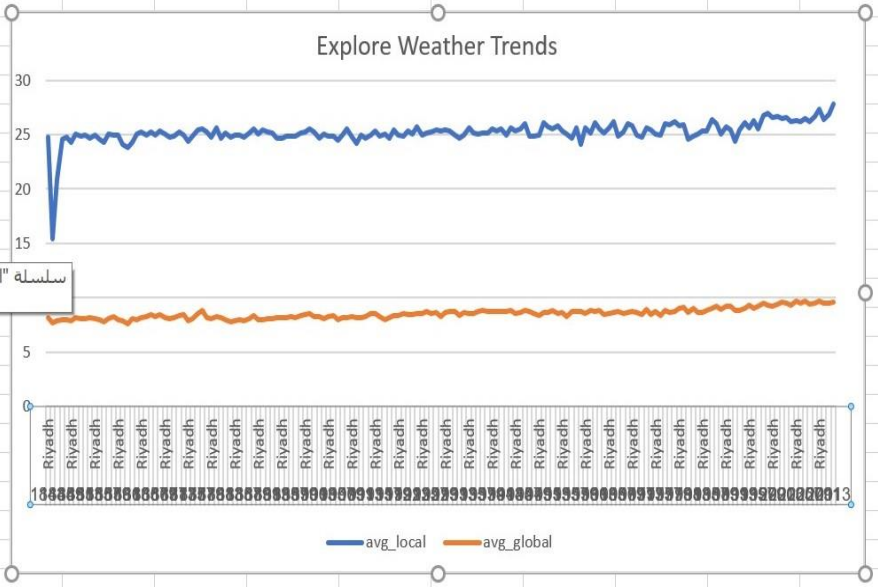
2- here I do manipulate data

- the table global _data choice starts years 1843 end 2013 because need match with years table city _data .
- and I have missing features for the table city _data for the years 1846 and 1847 then I delete.
- and delete the column country because not useful for this project .



3- Data visualization

r	city	avg_local	avg_global
1843	Riyadh	24.74	8.17
1844	Riyadh	15.45	7.65
1845	Riyadh	20.82	7.85
1848	Riyadh	24.56	7.98
1849	Riyadh	24.8	7.98
1850	Riyadh	24.34	7.9
1851	Riyadh	25.03	8.18
1852	Riyadh	24.85	8.1
1853	Riyadh	24.93	8.04
1854	Riyadh	24.72	
1855	Riyadh	24.92	
1856	Riyadh	24.57	8
1857	Riyadh	24.26	7.76
1858	Riyadh	25.01	8.1
1859	Riyadh	24.95	8.25
1860	Riyadh	24.94	7.96
1861	Riyadh	24.13	7.85
1862	Riyadh	23.77	7.56
1863	Riyadh	24.28	8.11
1864	Riyadh	25.03	7.98
1865	Riyadh	25.23	8.18



4- Observations

- when we see the visualization avg_local for the year 1844 down for 15 and the other years between 20 and 27 and this is very hotter. had not difference between consistent over time.

- when we see the valuation avg_globle this is very cooler between 7 and 9.61 and look like getting hotter for the Coming years .