The first step to extract the data was to generate queries in sql to extract the csv of the global temperature and another csv with the temperatures of campinas

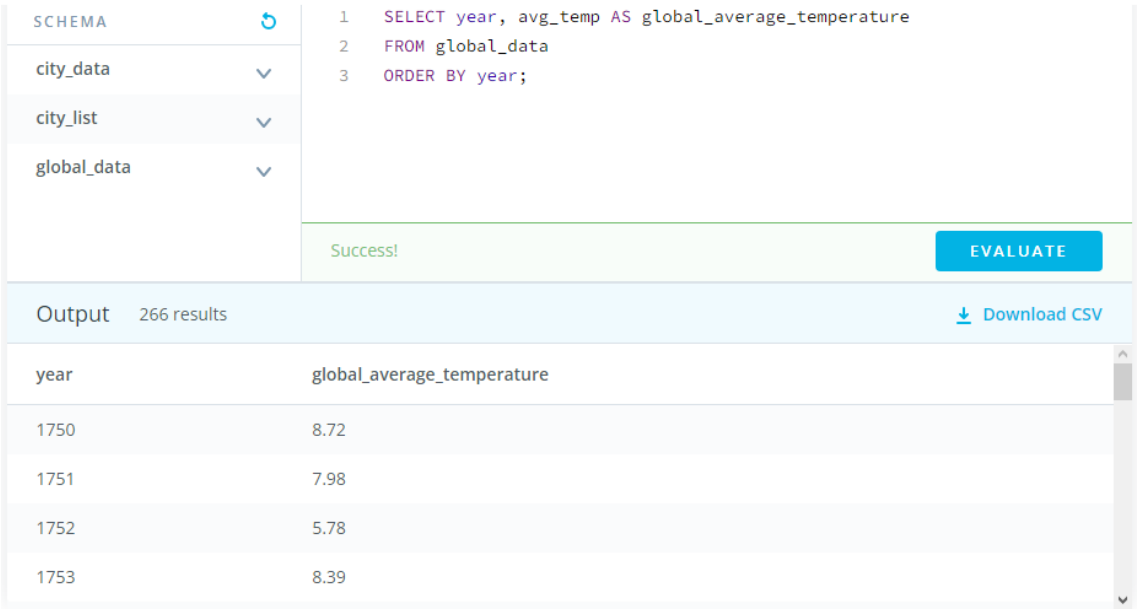
Querry that i used to extract the global temperature csv

SELECT year, avg_temp AS global_average_temperature

FROM global_data

ORDER BY year;

To show that Worked I will attach a image with the output for the querry



Querry that i used to extract the temperature of my city(Campinas) csv

SELECT city_data.year, city_data.avg_temp AS city_average_temperature

FROM city_data

JOIN city_list ON city_data.city = city_list.city

WHERE city_list.city = 'Campinas'

ORDER BY city_data.year;

To show that Worked I will attach a image with the output for the querry

SCHEMA

city_data

city_list

global_data

```
SELECT city_data.year, city_data.avg_temp AS city_average_temperature
FROM city_data
JOIN city_list ON city_data.city = city_list.city
WHERE city_list.city = 'Campinas'
ORDER BY city_data.year;
```

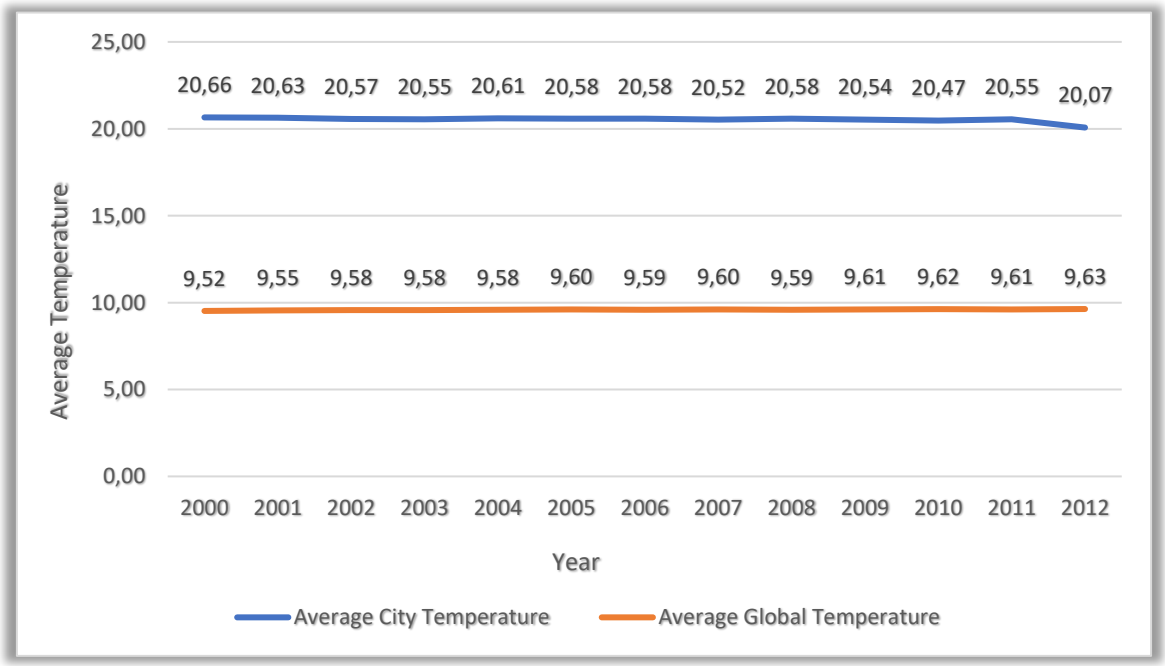
Success! EVALUATE

Output 182 results Download CSV

year	city_average_temperature
1832	18.94
1833	19.93
1834	19.21
1835	18.62

The second step was to calculate the average temperature of the two datasets choosing a time period, the time period I chose was between 2000 and 2012

The third step was to make a line graph comparing the two temperatures



1) Is your city hotter or cooler on average compared to the global average? Has the difference been consistent over time?

   My city is warmer than the global average, while the global average is 9ºC, my city average is 20ºC. The difference was consistent at the two temperatures over the chosen 12-year period.

2) How do the changes in your city's temperatures over time compare to the changes in the global average?

   They can be compared in the sense in which they kept their temperatures constant over the chosen period of time.

3) What does the overall trend look like? Is the world getting hotter or cooler? Has the trend been consistent over the last few hundred years?

   In general, the trend has been that in the last 100 years the temperature has consistently increased, although it has increased slightly if we analyze the data as a whole, it can be seen that between 1815 and 2015 the general temperature had an increase of 1ºC

4) Are there any significant fluctuations or patterns in the data for both your city and the global temperatures?

   In the global data and in my city, you can see that there were not so many fluctuations, but you can see that the data in my city has inconsistencies, such as: lack of data in some years and the data are a little recent