UDACITY

Return to Classroom

Explore Weather Trends

REVIEW

HISTORY

Meets Specifications

Congratulations!

YOU HAVE MET ALL THE REQUIREMENTS OF THE RUBRIC.
You demonstrated your ability to retrieve data from a SQL Database and derive interesting, accurate results from
the output of your query. You were further able to manipulate this data using external software and create a meaningful visualization to demonstrate your observed results. This is a tremendously important skill and will prove
useful throughout your career in data analytics.
Before you move on to your next lessons, take pride in the effort you've put into this project. I hope you found this
exercise both challenging and rewarding. Keep up the exceptional work and effort here, and I look forward to seeing
you rock those future submissions!

Analysis

- **The SQL query used to extract the data is included.**
- **The query runs without error and pulls the intended data.**

Great work here in extracting the data for your local city and comparing that to global temperatures. Your queries were spot on! I appreciate that you looked at the cities from your country of origin and chose one that

best represented the area where you live.

You also added other cities which is Awesome!

If you're interested in bolstering your SQL mastery with more questions and puzzles, here are a couple of websites
I often enjoy looking for extra coding practice for SQL:

https://www.hackerrank.com/domains/sql/select
https://lagunita.stanford.edu/courses/DB/SQL/SelfPaced/courseware/ch-sql/seq-vid-introduction_to_sql/
You'll get a chance to practice increasingly difficult questions and learn how to interact with multiple tables at
once. As an example, here is another way to get the data that you want for both Your City and Global while excluding the empty years in one table output!

```
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 = '{YOUR CITY NAME}'
```

Moving averages are calculated to be used in the line chart.

Excellent work here in calculating the moving average for both your city and Global temperatures. The gap between these two lines is very apparent here.

- **A line chart is included in the submission.**
- **The chart and its axes have titles, and there's a clear legend (if applicable).**

The line chart included in your submission looks fantastic! The chart contains a clearly represented title that explains the details of the presented line graph. I like the way you used colors. This attention to detail really goes a long way to help communicate your results to an audience.

- **The student includes four observations about their provided data visualization.**
- **The four observations are accurate.**

Your observations are accurate and can be clearly reflected from the output of your visualization. Well done!

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