U D A C I T Y

‹ Return to Classroom

Explore Weather Trends

REVIEW
HISTORY

Meets Specifications

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Congratulations Mohammed AlJarbou 🎉 🎉

> **Excellent work!** , Your submission has passed all the rubric of this project.

All the **effort you put in to complete the project is appreciated** and it was my pleasure reviewing your work.

> 💡 **Extra Materials for writing reports with a good format in the SQL queries.**

- This tool http://www.sql-format.com/ might help format the SQL queries for readability.

- For writing reports, Grammarly might come in handy to make sure that the submission is free from grammatical and spelling errors.

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Good luck in your educational progress 😊

Hint

- The **Suggestions** are improvements that may help the student to increase knowledge.

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Analysis

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

Great work here

- **Extracting** the data for **your local city** `Riyadh` and comparing that to **global temperatures.**

Suggestion

Here is another way to get the data that you want for both **Riyadh** and **Global** while excluding the empty years in one table output!

```sql
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 = 'Riyadh'
```

Extra Tips

If you're interested in bolstering your SQL mastery with more questions and puzzles, here are a couple of websites I often enjoy to 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/

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You'll get a chance to practice increasingly difficult questions and **learn how to interact** with multiple tables at once.

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

Excellent

- Calculating the **(8 years)** moving average for both **Riyadh** 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).**

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Well done

- **Your graph looks good.**

- **Your added the temperature unit.**

- You have **separated the lines with color and denoted** the names in the legend.

- The chart contains a **clearly represented title that explains the details** of the presented line graph.

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3. Data Visualization

Now I can plot a line chart to see the difference between Riyadh average temperature and Global average temperature using the moving average to smooth out the data, Shown in the figure below.
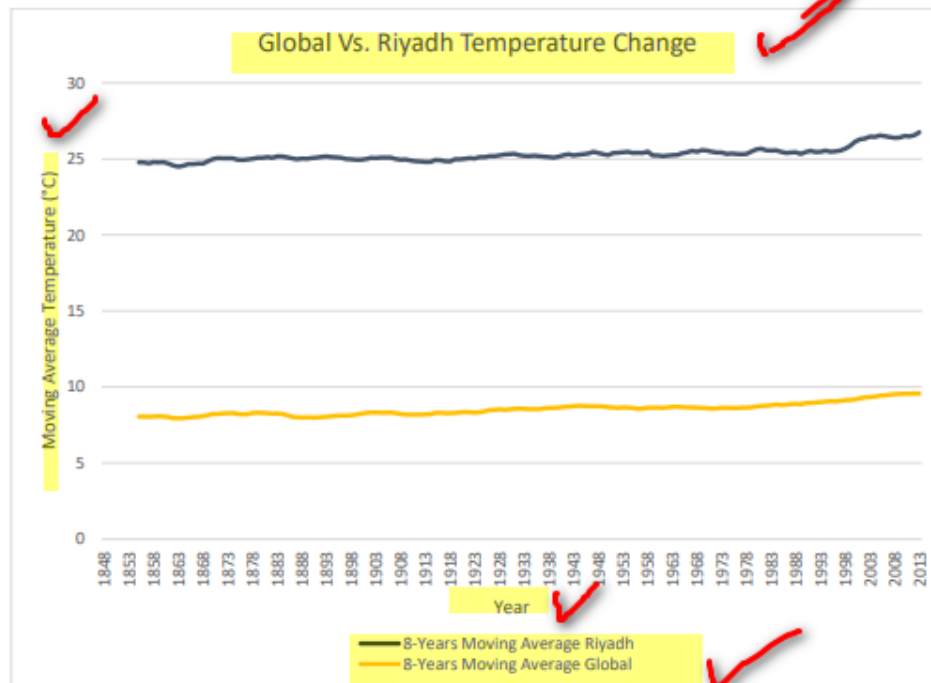

Figure 4: Global Vs. Riyadh Temperature Change

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4. Observations

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

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Great work

- From looking at the output of your graph and your ((**four observations** 👍)) , we can notice that the observations are **accurate and clearly reflect** in the output of your visualization.

- Also,**Global temperatures** are indeed getting warmer, but hopefully, with your new skills 😊 in data wrangling, you can help better inform and advise others on the importance of climate change and

conservation!

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