UDACITY

PROJECT

Explore Weather Trends

A part of the Data Analyst Nanodegree Program

PROJECT REVIEW

NOTES

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Meets Specifications

Congratulations on a great first report! You can now move on to the Introduction to Data Analysis. Have fun! Keep up the great work and happy learning!

Analysis

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

Excellent job querying your data! The queries are appropriate. It is great that when using `SELECT`, you're being specific about the columns you want to extract from the server. That can save space, time, and decrease computing costs when your query is deployed and ran thousands of times a day.

You also respected SQL best practices by making your SQL statements uppercase and writing them each on their own line, congratulations for that.

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

Great work on the calculation of the moving average! A 10-year moving average seems like a good choice as it highlights specific changes while still preserving the long trend. There is no golden rule about the duration of the moving average. The tradeoff is between more information and how much noise we would like to remove. In this case, since we like to identify similarities but also differences. Therefore, we would like to

choose the moving average that will allow us to identify common trends but also differences between the regions.

Good initiative adding the method you used to calculate your moving average! It enables your reader to understand the method you used, and reproduce it if need be. Being able to reproduce a report or a study is important in the scientific method.

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

Congratulations on a great visualization!

- The title allows us to know what the visualization is about
- The axes are clearly labeled so we know what we're looking at
- The legend makes it clear what each line refers to

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

Excellent job on your observations! They are accurate and you were perfectly able to extract insights and information from the visualization. If you want to go the extra mile, you can formulate hypotheses to explain your different observations: for example, why is the global average less volatile than the London average, or why is the temperature increasing?

Great initiative going the extra mile and calculating extra statistic to strengthen and justify your observations!

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Student FAQ