Weather Trends Project
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SQL Queries:

SELECT * FROM city_list WHERE country LIKE 'India'
SELECT * FROM city_data WHERE city LIKE 'Bangalore'
SELECT * FROM global_data

Tools:

I used Udacity Workspace to run the queries and Microsoft Excel to calculate the moving averages and plotting the line graph.

Calculating Moving Averages:

I calculated the moving average by using the formula =AVERAGE(B1:B31) where B1 and 31 tell us the limits for the average to be taken. Then just simply select and until the bottom to get all the moving averages.

Importance of Line Charts to visualize the trends:

A line chart is used to display change over time which helps to visualize the trend as it gives a clearer image.

Inferences:

- My city is hotter on average compared to the global average. Yes, the difference has been consistent but overall in the last 5 years the temperature is seen to rise.

- Over time my city's temperature has seen to rise higher as compared to the global average.

- The overall trend looks to be rising. The world is getting hotter every year. The trend has been consistent with the temperature rising a degree every 100 years.

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