Weather Trends Project

SQL Queries

SELECT * FROM city_list WHERE country LIKE 'India';

SELECT * FROM city_data WHERE city LIKE 'bangalore';

SELECT * FROM global_data;

Q. What tools did you use for each step?

A. I used Microsoft excel to find the moving averages and for making the line charts as well.

Q. How did you calculate the moving average?

A. 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.

Q. What were your key considerations when deciding how to visualize the trends?

A. My key considerations were to compare the two trends in a graphical method using a line graph and by also plotting their ratios to get an even clearer image.

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

A. 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.

Q. "How do the changes in your city's temperatures over time compare to the changes in the global average?"

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

Q. 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?

A. 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

Bangalore to Global Ratio

30 Year Moving Average