PROJECT 1

Exploring Weather Trends

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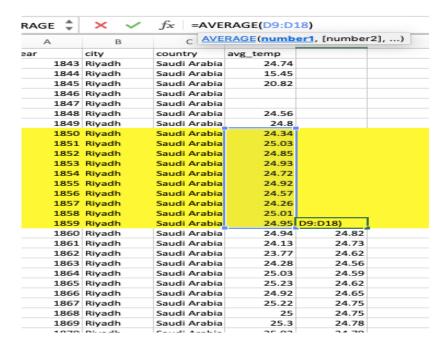
✓ What tools did you use for each step?

I used excel after this sql statement:

- Global data: Select * from global data;
- Local data (Riyadh city): Select * from city data where city ='Riyadh';

✓ How did you calculate the moving average?

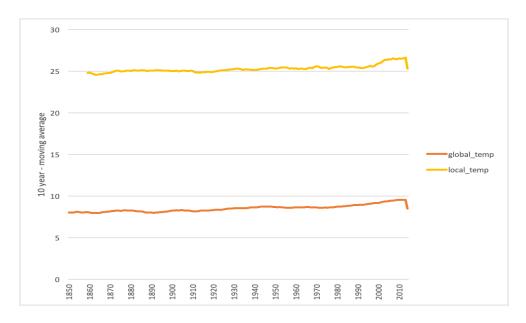
I used 10 years moving average as showing in the picture below.



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

The Increase and decrease in 10 years moving average. There was missing data that's why I started from year 1850-2013.

• Line chart with local and global temperature trends



• At least four observations about the similarities and/or differences in the trends

similarities:

- ➤ Both global and local are increasing in temperature through the years .
- ➤ In 2013: there was the highest point showing temperature for both local and global as the table below.

differences:

- ➤ local temperature is very high than the global which means it's the hottest city.
- > The table below shows the different in temperature though the years.

	global_temp	local_temp
Max	9.56	26.65
min	7.97	24.56
Average	8.53	25.28

• 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?

There is a decrease in temperature locally and globally, but still, Riyadh city will never decrease in temperature, and will always be the hottest city, Because of its geographical location in the middle of the desert