Explore Weather Trends

SQL queryes:

To find the closest big city to where I live:
SELECT city FROM city_list
WHERE city = 'Riyadh'

To save the city's temperatures in CSV file:
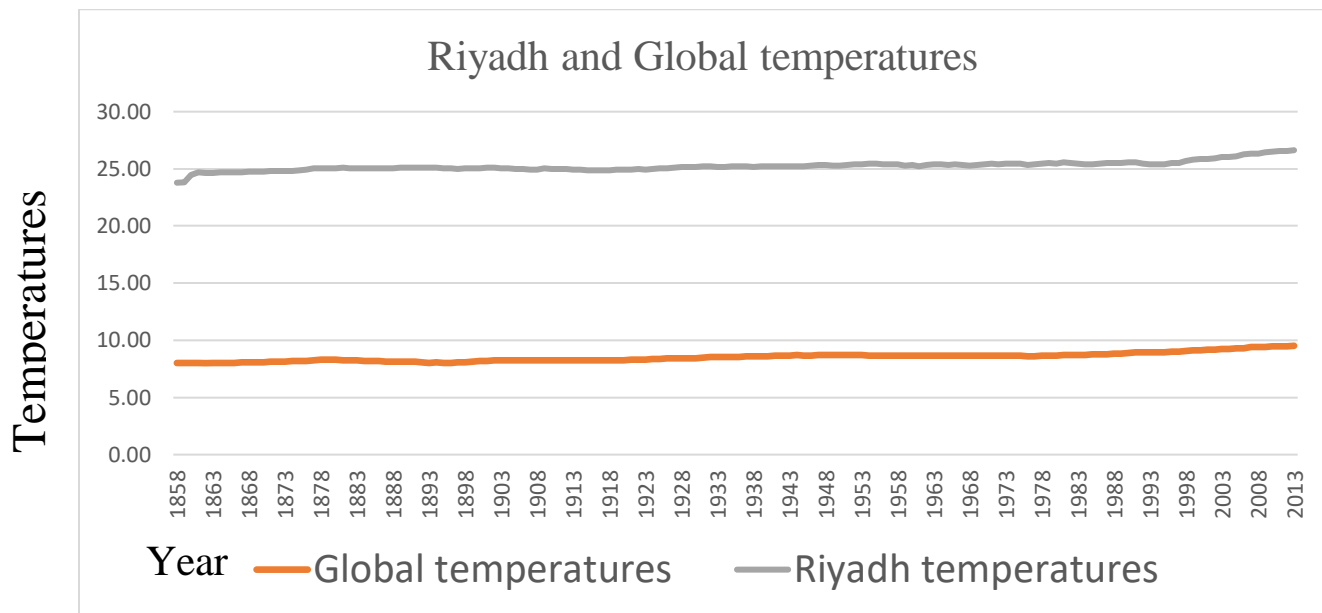SELECT avg_temp, year FROM city_data
WHERE city = 'Riyadh'

To save the global temperatures in CSV file:
SELECT avg_temp, year FROM global_data

Moving averages:

I remove missing values then calculate the 14-year moving average using Average function in Excel.

Line Chart:

Riyadh and Global temperatures

Observations:

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

  My City is hotter than the global average, and yes is consistent over time.

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

  In my city the temperatures frequently fixed with the same range, where the global temperatures are increased over time.

- 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?

  Overall trend looks like the world getting hotter, and the trend has been consistent.

- The change in temperatures over the years is slight.