

Exploring Weather Trends

A) Summary

This is a comparison between the temperature trends in Cairo, the nearest city to where I live, and overall global temperature trends after analyzing the data and calculating the moving average for both trends.

B) Tools

1. Data Extraction

Data was extracted from the database using SQL and exported to CSV.

- SQL query to extract the city level data:
select from city_data where city='Cairo'*
- SQL query to extract the global data:
select from global_data*

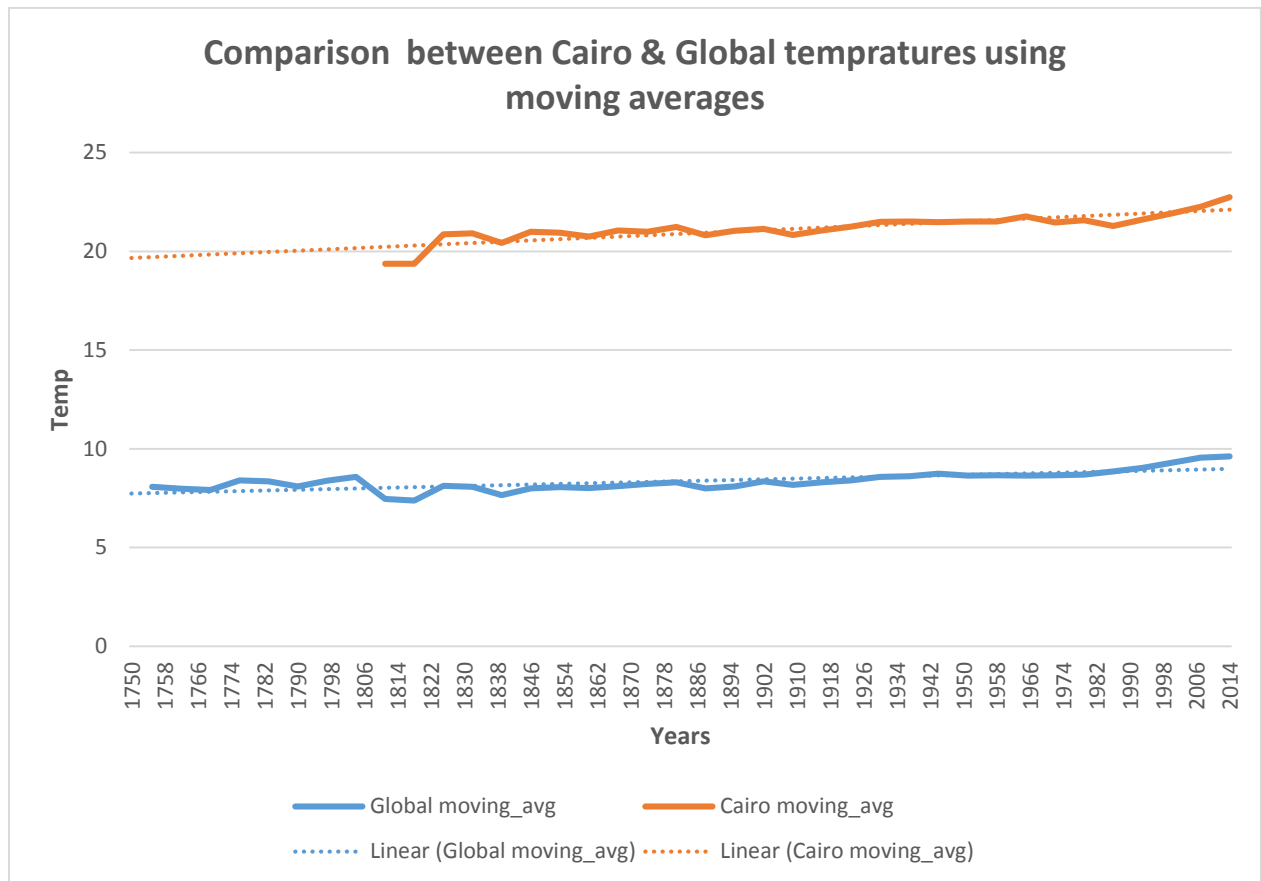
2. Data manipulation and Chart creation

Microsoft Excel was used to calculate moving averages and draw the line chart.

3. Writing the report

Microsoft Word was used to prepare the report and export it in PDF format.

C) Line Chart



D) Observations

1. Cairo averages are similar global averages in the fact that they are both rising.
2. Cairo is hotter on average compared to the global average.
3. The difference has been consistent over time
4. The overall trend shows that the world getting hotter.
5. The trend has been consistent over the last few hundred years.