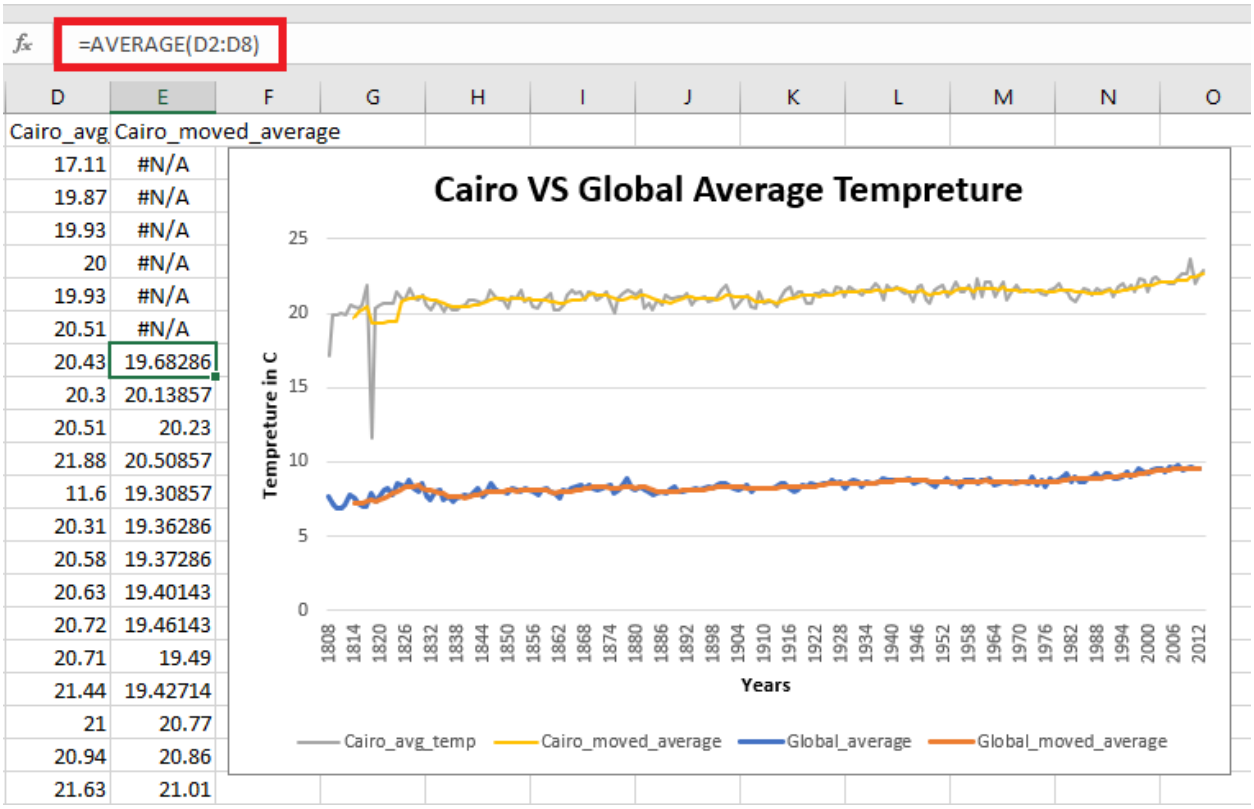
Project: Explore Weather Trends

Steps:

- First, I used SQL to extract my city's data (Cairo) from city_data table.
    - Select * from city_data where city like 'Cairo'
- I downloaded the CSV file that contained the results of this query.
- By using SQL again, I extracted the global temperature data from global_data table. And downloaded the CSV file.
    - Select * from global_data
- Using Excel, I calculated the moving average for both CSVs using Data tab then data analysis. Choosing the moving average and adjust he range to 7. Making sure that we calculate moving average of the same years in both CSVs (1808-2013).
- Choosing insert tab then graph, I graphed both the actual temperature and the average temperature.



Observations:

- Cairo's average temperature is higher than global average temperature. Which means that Cairo is hotter on average.
- In 1818, the average temperature was dropped to 11.6 degrees in Cairo which can be considered an outlier.
- 11.6 degrees is not an outlier in global average temperature. You can see that it falls in the natural degrees in the 2nd graph.
- Overall, the overall trend seems to increase across the years.