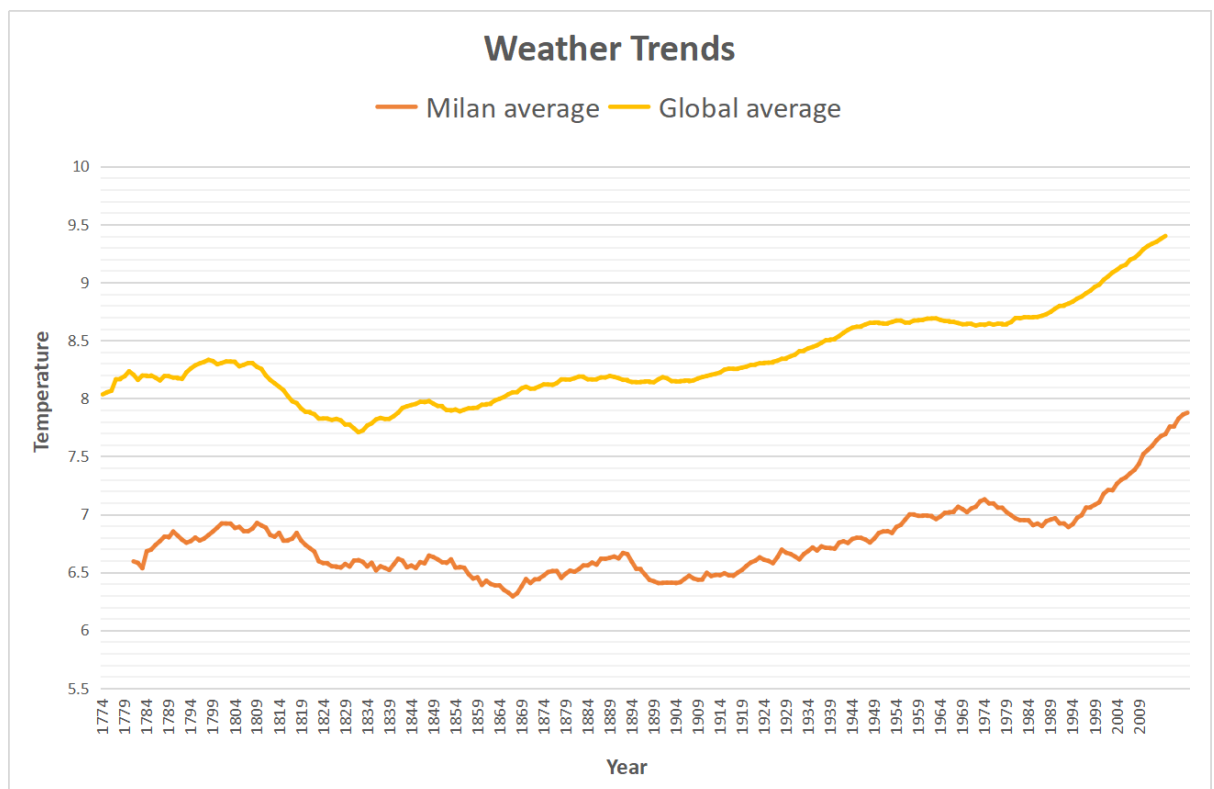Project: Exploring Weather Trends

Done by Oleksandra Laurent

As a first step I used **select * from city_list** to find list of cities. The closet biggest city for me turned out to be Milan. As a next step I executed command **select * from city_data where city='Milan'** to extract city level data and **select * from global_data** to extract global data. Both were exported to CSV.

For calculating the moving average and creating line chart Excel was used. For smoothing the results on the chart moving average of quarter of the century (25 years) was calculated.

It can be observed from chart:

- Milan is colder on average than global average and this trend is consistent over time;
- Both (city and global) average temperatures have grown over time;
- Also it is visible from the chart that global average have grown more over time than in Milan;
- In general global average temperature is rising, trend is not consistent over time. There are some periods of time when temperature decreased;
- Global and Milan both have more stable growth after the begging of 2nd industrial revolution.