Exploring Weather Trends

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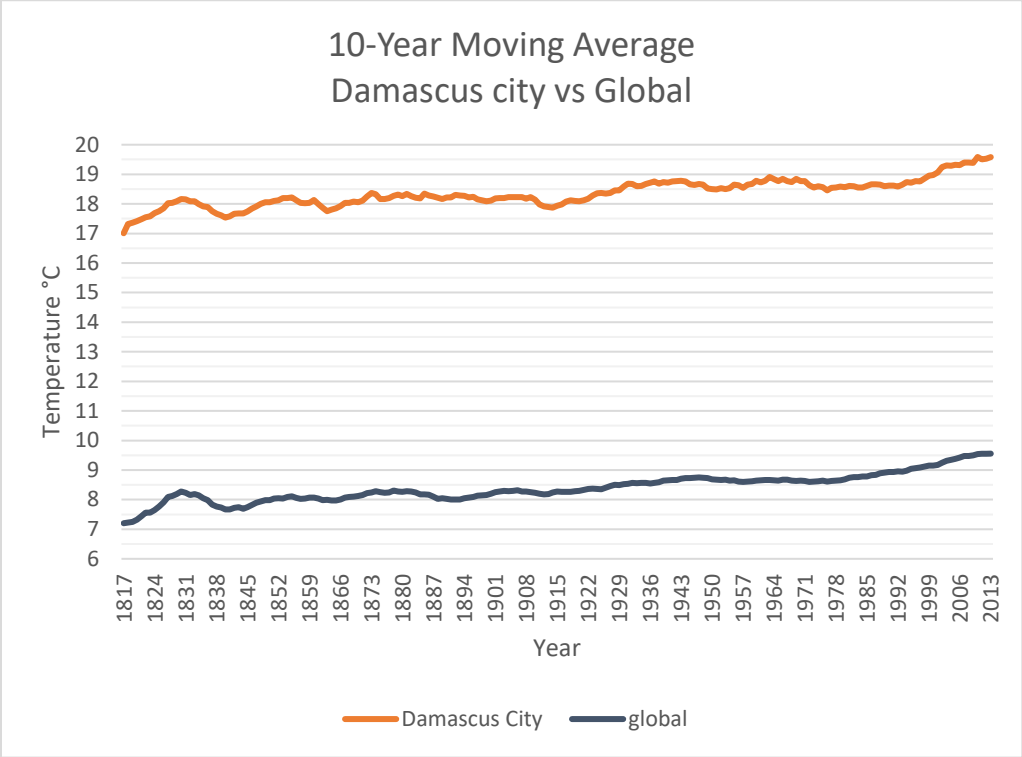
- I used thw SQL query to extract from [city_data] and [global_data] tables the average temperature of the “Damascus city” to compare with global temperatures

```
Select T1.year, city, country, T1.avg_temp as avg_temp_city, T2.avg_temp as
avg_temp_global from city_data T1 inner join global_data T2
on T1.year=T2.year
where city in (select city from city_list where city in ('Damascus'))
```

- After export the data to csv file, I used “=AVERAGE(A1:A10)” to moving average value for decade which is 10 years



1. I observed that the global average temperature between 7.20°C to 9.56°C
2. Damascus city average temperature between 17.01°C to 19.59°C
3. After comparison between my city and global which is the Damascus is hotter than global temperature and change the climate
4. The global temperature has been in the range of 7.20°C and 9.56°C in the time period 1817-2013. Whereas 'Damascus' has been hotter, in the range of 17.01°C and 19.59°C at the same time period.
5. The average difference seems to be 10 °C consistently, throughout the time period 1817 to 1971. After that it decreased slightly (0.5 °C), as Amsterdam has been getting warmer (1.5 °C) quicker than the earth (1 °C).