PROJECT: EXPLORE WEATHER TRENDS

1. STEPS

To get the data I did three queries, the first one to know which cities from Peru were in the city list, the second to select the data from Lima and the third one to select the global data.

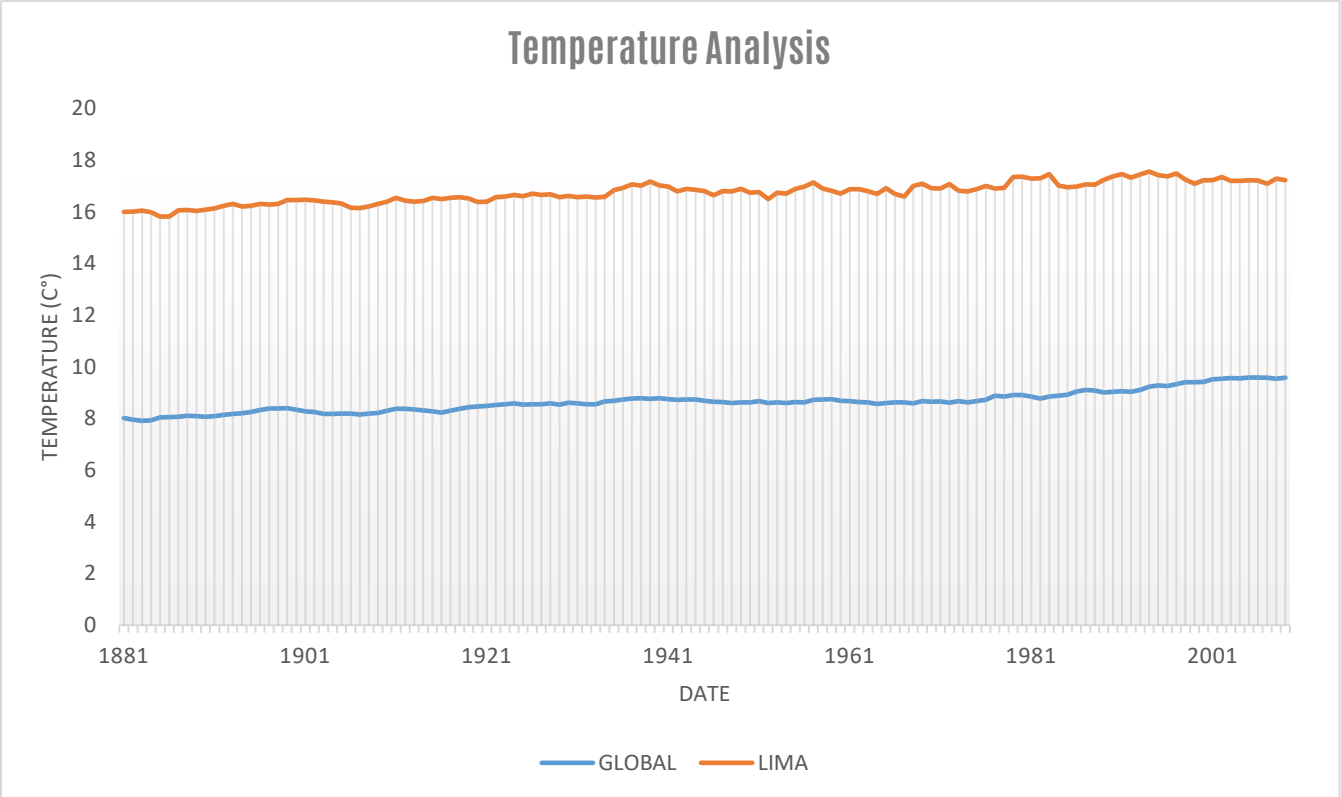
```
SELECT*
FROM city_list
Where country = 'Peru'
```
1

```
SELECT year, avg_temp
FROM city_data
Where city = 'Lima'
```
2

```
SELECT*
FROM global_data
```
3

2. RESULT

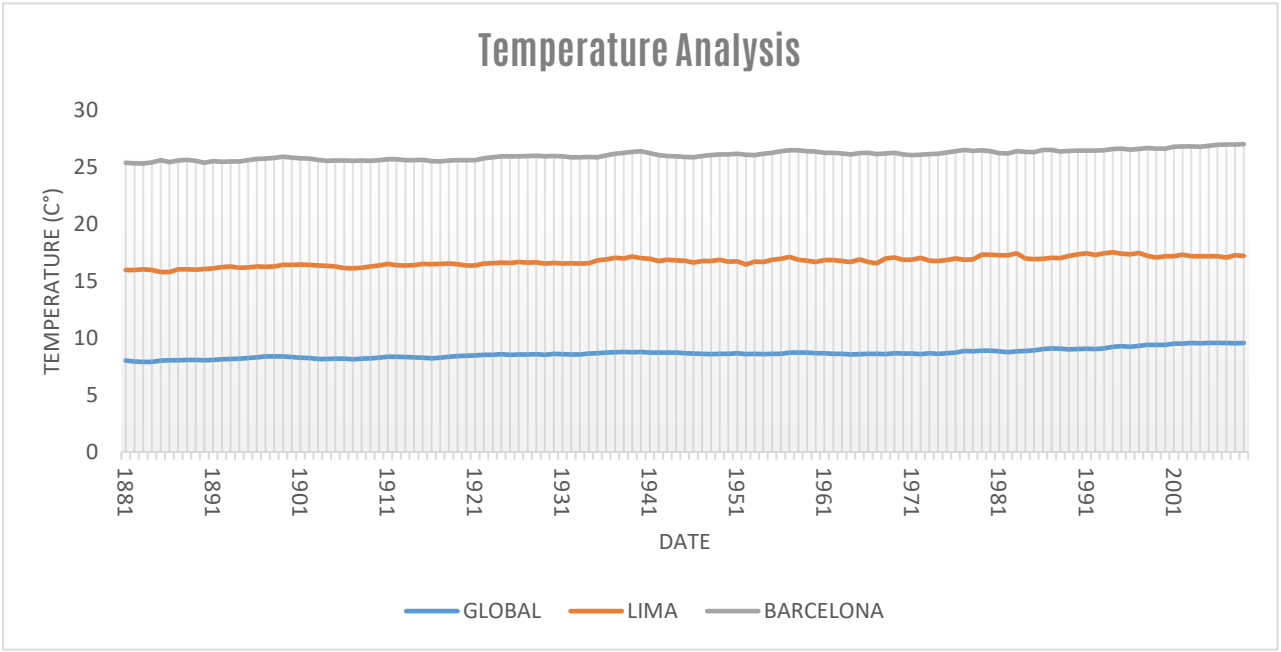
For this part, I prefer to use Excel so after cleaning the data and set up to the same exact period of time (1881 – 2013) because there was lack of data from Peru around 1750 and 1880, I decided to move the average considering 5 years. After that, I get the next visualization.



3. ANALYSIS

- Lima has always been above the average global temperature, which means that it is a hotter city.
- In both cases, the tendency of the temperature is to increase over time and it has been consistent.
- The world is definitely getting hotter, we can see the tendency in a particularly city (Lima), the global temperature also show the same pattern, I can guess that any other city that we cross information could get the same result.
- On average, Lima has been 8°C above the global temperatures, approximately, which corroborate the conclusion above about Lima been a hotter city.

4. EXTRA



In this part, I decide to add the city of Barcelona, the graphics show that Barcelona temperature is above Lima and the global temperature, which means is a way hotter city.

Barcelona follows the same tendency, which set an increase in temperature over time.

The average temperatures are the next:

- Lima 16.7°C
- Barcelona 26.1°C
- Global Temperature 8.7°C