1) Querys

- select * from city_list;
- select * from city_datawhere city= "Lima";
- select * from global_data;

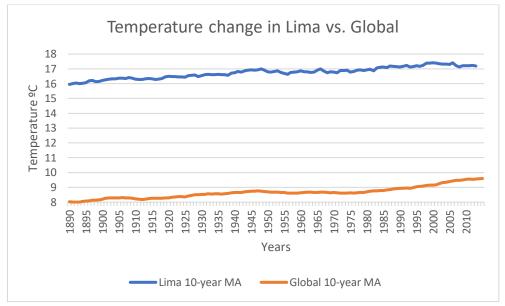
2) Steps:

- a. Called the data using SQL.
- b. I downloaded the data and worked it on an Excel Spreadsheet.
- c. I used a 10 years moving average to smooth the data. I used the "AVERAGE" formula (as shown in the image below)

=AVERAGE(D18:D27)						
	D	Е	F	G	Н	1
	16.06	16.048				
	15.98	16.008				
	16.22	16.024				
	16.35	16.0783333				
	16.53	16.1983333				
	16.4	16.2271429				
	15.49	16.135				
	16.31	16.1544444				
	16.75	16.214				
	16.46	16.255				
	16.49	16.298				
	16.26	16.326				
	16.31	16.335				
	16.76	16.376				
	16.4	=AVERAGE(D	18:D27)			
	16.10	16 242				

d. To visualize the data, i needed a chart which allows me to see data in first sight, in order to see how the temperature changes in time. That's why i decided to take the "Line chart".

3) Chart



- My city is hotter on average compared to the world average and the difference has been consistent over time.
- The changes in my city temperature shows the same tendency to the changes in the global average.
- The world is getting hotter and the trend has been consistent over the last few hundred years.
- In between 1940 and 1982, the temperature in both, my city and global, keep constant, but after that period it started increasing.