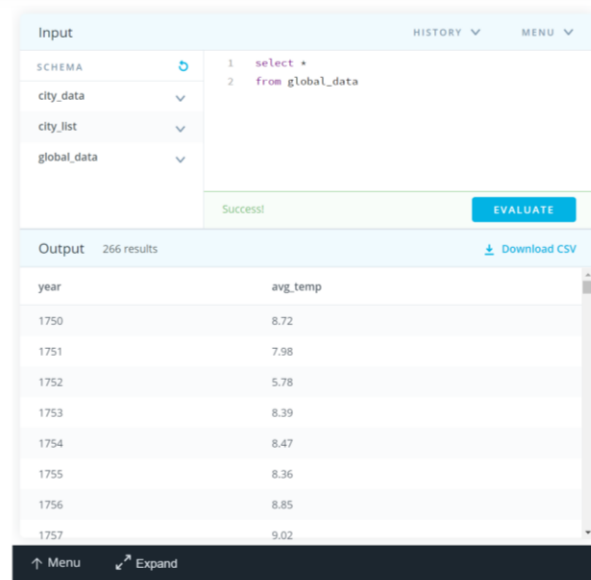# Exploring Weather Trends

PORT AU PRINCE CITY

What tools did you use for each step?
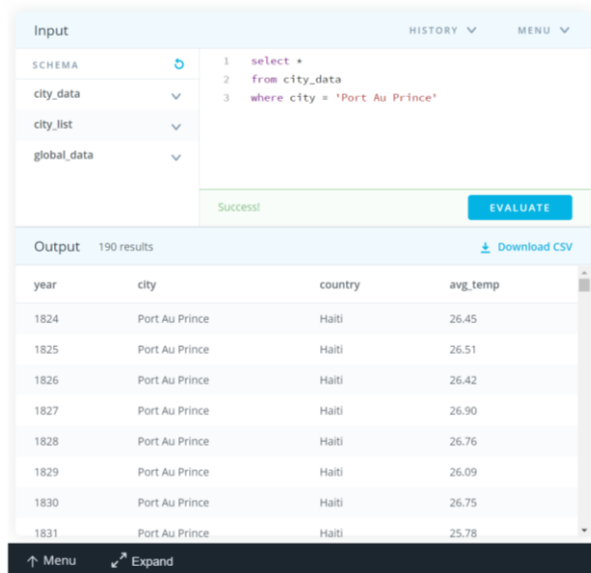
- I used SQL to extract the data.

- Excel to calculate a moving average and create a line chart.

Figure 1: Extract global data

Figure 2: Extract city data

How did you calculate the moving average?

I calculated it for each 14 years.

What were your key considerations when deciding how to visualize the trends?

Moving average values of global temperature and Port Au Prince city.

Line chart with local and global temperature trends At least four observations about the similarities and/or differences in the trends:
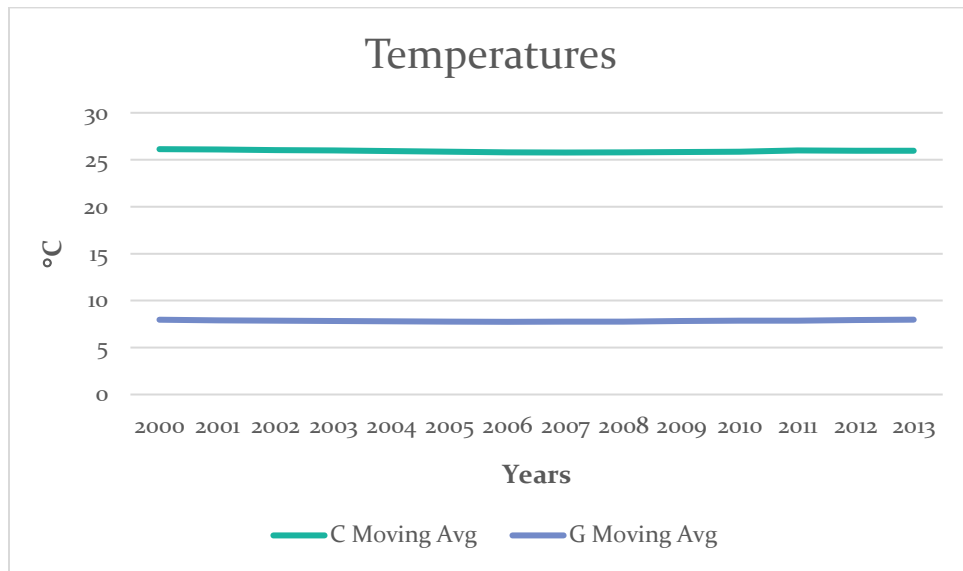
Temperatures

- **What do the temperatures look like in a Port Au Prince city?**

  Based on temperature data from 1824 to 2013, we note that from the year 2000 the temperature began to rise and the rise continued for 14 years until 2013.

- **Temperature of Port Au Prince city compared to global temperatures?**

  Port Au Prince city temperatures are considered low compared to global temperatures in the 14 years from 2000 to 2013.

- **What do world temperatures look like?**

  It is noticeable that temperatures are constantly rising, and it can be said that the world becomes hotter with the progression of years, and this increases the humidity levels, the rate of water evaporation and affects the rate of air-conditioning devices consumption of electricity.

- **Similarities and differences between global temperatures and a Port Au Prince city?**

  The increase and decrease in temperature over the past 14 years approximatly a small change in temperature about degree or less.