**Explore Weather Trend Project(Udacity)**

**Steps:**

1. Extracting data from the data base about my city temperature (Riyadh), and global temperature
   1. Extract city Data query:

select \*

from city\_data

where city = 'Riyadh'

* 1. Extract global data query:

Select \*

From global\_data

1. Cleaning City temperature file and make the first year in city file the first year in the global temperature file. So we can compare right.
2. After that we gather the two files into one file.
3. Next, we do the moving average(y=10).
4. Building a line chart.

**Sample:**

Table

Description automatically generated

**Line chart:**

**My Observation:**

1. My city temperature in hooter than the global temperature and the difference is consistent over time.
2. All my city and the global temperature are getting hooter especially they both in 2013 has the maximum moving average (Globally: 9.55), (Riyadh: 26.65).
3. All my city and global temperature was in minimum moving average (Globally: 7.96 in 1864), (Riyadh: 24.55 in 1863).
4. My city temperature has more fluctuations than the global temperature.
5. My city temperature’s rate in getting hooter is faster than the global temperature’s rate.
6. Average temperature of all time globally is 8.55
7. Average temperature of all time in Riyadh is 25.30