

Outline:

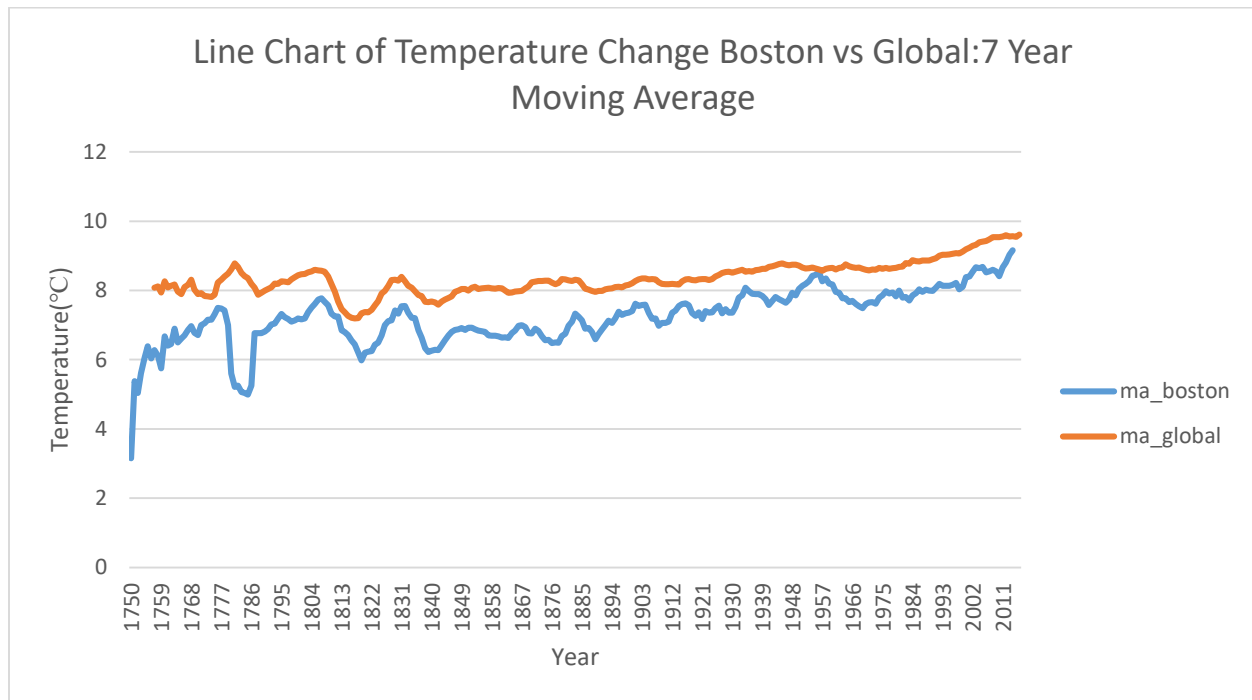
I used SQL to query the data of global and Boston temperature.

I used Excel to calculate the moving average and make the line chart.

Moving average was calculated as a 7 year average.

My key consideration is whether the average data could show the trend of temperature changing clearly.

Chart:



Observations:

Compared with the global average, Boston is cooler.

In general both Boston and the earth is getting hotter.

From 1774 to 1790, global temperature underwent a sharp increase and decrease. However, Boston temperature underwent a sharp decrease and increase.

From 1806 to 1846, both Boston and the earth underwent same temperature sharp change (Decrease then increase).

From 1958 to 2015, Boston's temperature was increasing very fast while the global temperature was increasing relatively slow.

SQL query:

```
SELECT *  
FROM city_list  
WHERE country='United States'
```

```
SELECT *  
FROM city_data  
WHERE city='Boston'
```

```
SELECT *  
FROM global_data
```