



Global Temperature vs Chicago Temperature		
Global Temperature	1	
Chicago Temperature	0.681314	1

SQL used for data extraction:

```
select * from global_data; select * from city_data where city = 'Chicago' and country = 'United States';
```

Observations:

	Max Temperature	Average Temperature	Minimum Temp
Global:	9.67	8.387472	7.203
Chicago:	12.82	10.10669	7.45

Overall the pattern of temperature change in my city - Chicago, is similar to the change in temperature pattern happening globally.

The pattern is consistent with global warming where the average annual temperature seems to be on a gradual rise. This is pretty evident from the trend lines that is consistent in both the patterns.

The average temperature of my city is consistently 2-3 degree centigrade above global temperature, making it warmer over the global average.

It is noticeable that the rise and dip in temperature between the periods of (1750-1755), (1770 -1775) and (1805-1810) is consistent in both global and Chicago temperature but not consistent there after where the global temperature seems only on the rise but still more fluctuations happens in my city's temperature.

Further the correlation coefficient between Average temperature for Chicago versus Global temperature shows a correlation value of .68 which shows a strong relationship between the two

