Explore Weather Trends:

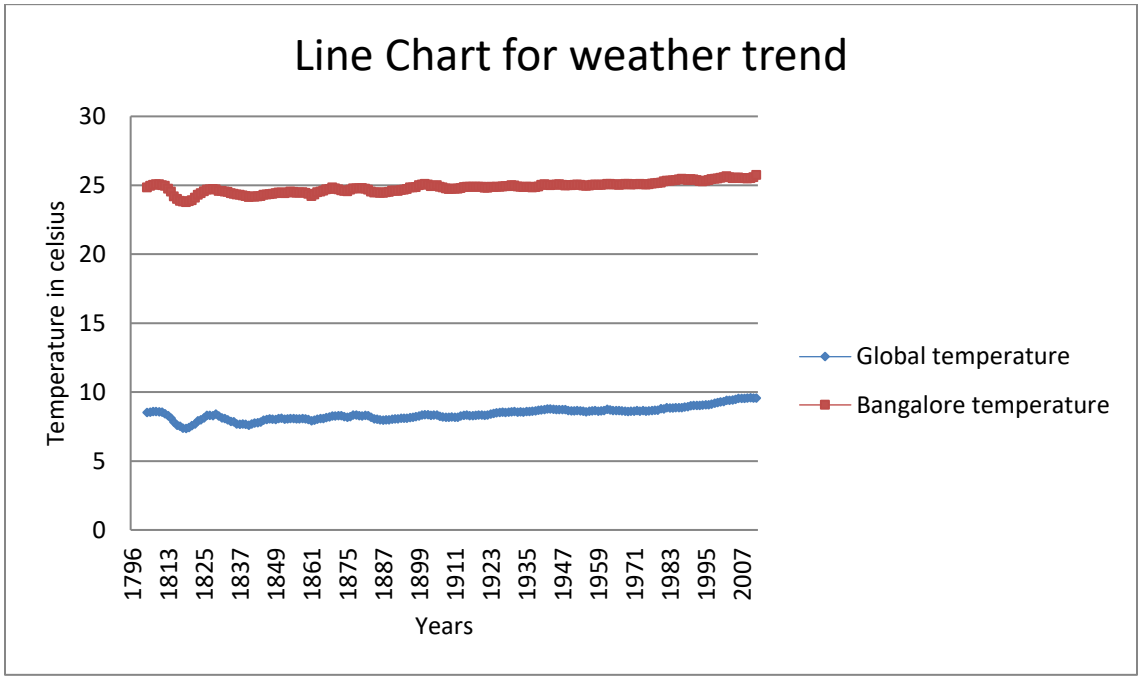
1. **Extracting Data:**
   Data is retrieved from the databases using SQL queries and saved in CSV format.
   Queries used to retrieve data are as below:

   To retrieve global data:
   SELECT * FROM global_data;

   To retrieve city(Banglaore) data:
   SELECT * FROM city_data
   WHERE city='Bangalore';

2. **Data Manipulation and Moving Average:**
   - Excel is used to view and explore the trend.
   - Data considered for visualizing is from 1796 to 2013; because there is no data available prior to 1796 for Bangalore city.
   - Before calculating moving average, years containing empty values are removed for better accuracy in comparing data.
   - Then, moving average (duration: 7 years) is calculated for both global and city data using the moving average function in Excel.

3. **Line chart:**
   Below is the line chart with global and Bangalore city weather trends.



4. **Observations from Line Chart:**
   - Average temperature of Bangalore(approximately 25° Celsius) is more than that of global temperature (approximately 8° Celsius).

- There was a drop in temperature between 1813 and 1825 both globally as well as in Bangalore and there has been a consistent rise in temperature since then.
- Weather trend in Bangalore is following the global trend i.e. average increase/decrease in temperature is similar to the weather globally i.e. Bangalore/global temperature lines look almost the same.
- From the data and line chart, we can say that the world is getting hotter. The average temperature globally has increased to 9.5° from 8.5°.