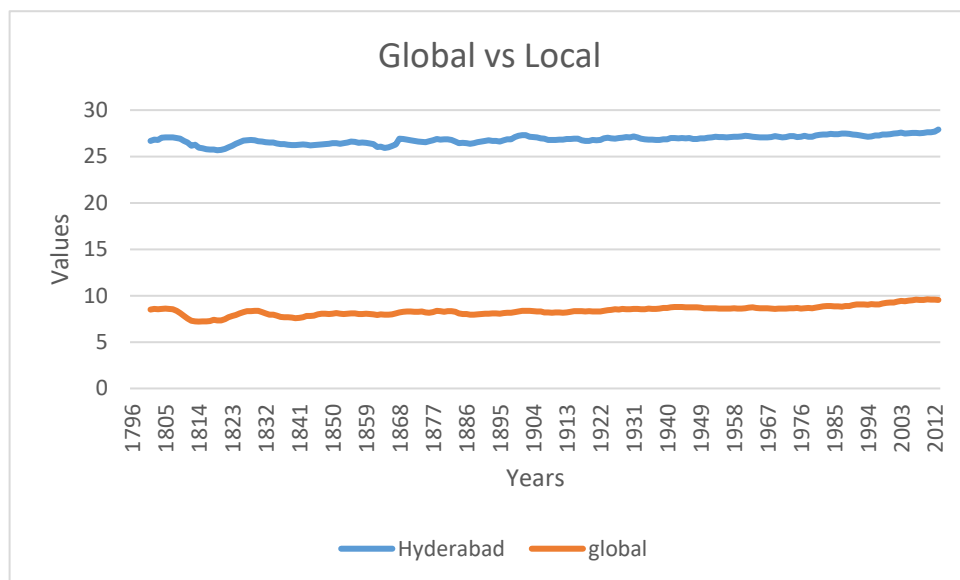# Explore Weather Trends

An outline of steps:

1. What tools did you use for each step?
   - SQL
   - Excel
2. How did you calculate the moving average?
   - By help of excel using AVERAGE() function to calculate the average sales for the first seven year of temperature and then Now you can use Copy + Paste, Ctrl + D, or click and drag the formula down to the next cell.
3. What were your key considerations when deciding how to visualize the trends?
   - Line chart with local and global temperature trends is visualize the trends are easy to analysis

Line chart with local and global temperature trends:

Four observations:

1. My city hyderabad as higher temperature than global temperature
2. The temperature is increasing year by year both global and in my city
3. In 1814 the temperature as the least degree that means the 1814 year as cool days
4. The temperature difference between my city and the global is around 17 to 19 degrees

SQL Query's:

1. Write a SQL query to extract the city level data?

```
select year, avg_temp
from city_data
where city = 'Hyderabad' and country = 'India';
```

2. Write a SQL query to extract the global data?

```
Select *
From global_data;
```