

Exploring Weather Trends

Observations :

Average of city-ma

24.81880055

Average of global-ma

24.80626827

- From the above values we can say that city temperature is higher than the global temperature so my city is quite hotter than the global temperature.
- Average change in the city temperature is consistent between 24 and 25 and average change in global temperature can be seen as increasing over the time.
- Correlation coefficient of city-ma and global-ma is **0.9083782637**, which shows strong relationship between both of them.
- I also tried evaluating average temperature of Pune city and it is **24.59964155**, which shows that Pune city is hotter than average global temperature.
- So from the overall observations we can conclude that the world is getting hotter over the time as the temperature of the world is increasing consistently.

Outline :

- For all the analysis part I used google spreadsheet application, by inserting chart which shows average temperature change in city and global average temperature.
- To extract the specific my city data from city_data, I used following SQL query -
SELECT *
FROM city_data
WHERE city = 'Bangalore' ;
(As I extracted data for Bangalore city particularly)
- For extracting global temperature I used following SQL query -
SELECT *
FROM global_data ;
- I calculated the moving average by using AVERAGE() function for the period of 10 values from the average temperature column.

Temperature Trends

