EXPLORE WEATHER TRENDS

STEPS TAKEN TO PREPARE THE DATA AND VISUALIZATION

- What instruments did you use for each progression?

  SQL was utilized to extricate information from database and exceed expectations was utilized to ascertain the moving normal and to make the line diagram.

  SQL inquiry utilized are:-

  1. SELECT *
     FROM global_data;

  2. SELEC
     T city
     FROM
     city_list
     WHERE country = 'India';

  3. SELECT year,
     avg_temp
     FROM city_data
     WHERE country = 'India' and city = ‘Bhopal’;

- How did you compute moving normal?

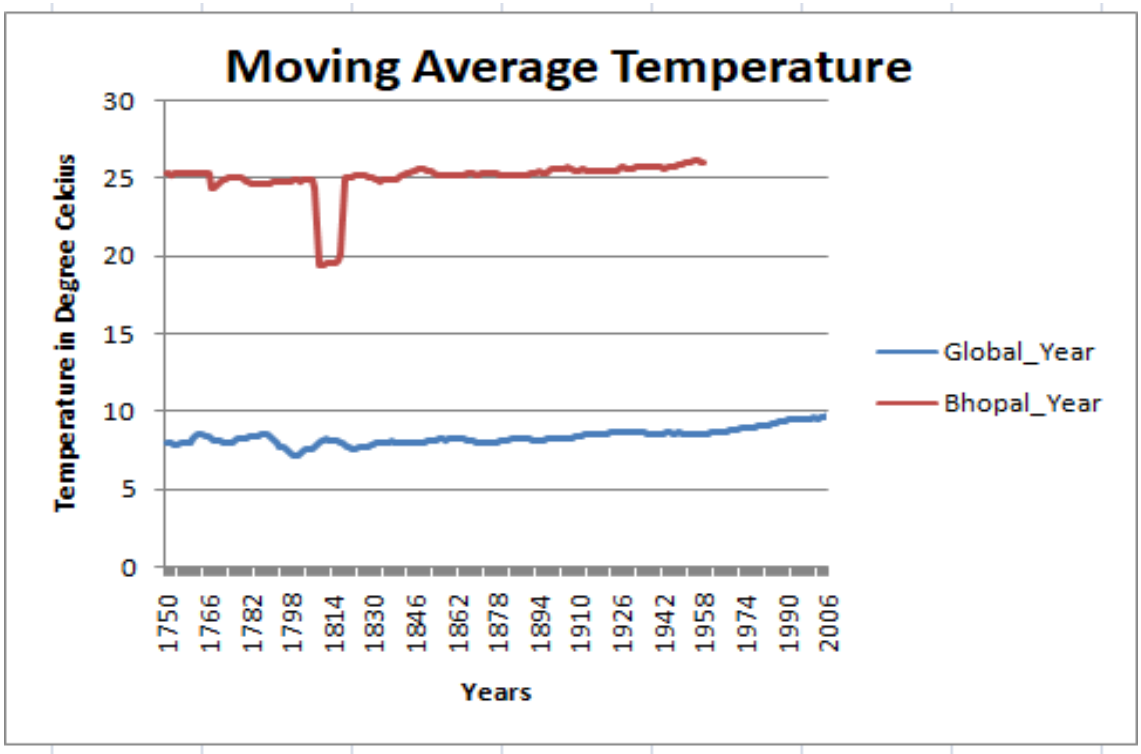
  I determined the moving normal of 10 years by utilizing the order

  =average(cell2:cell11) and afterward hauling down till the last worth.

 What were your key contemplations when concluding how to imagine the patterns ?

My key thought was to watch an expansion or diminishing in moving normal temperature.

There was some missing information in nearby temperature. I filled that information by putting 0.



OBSERVATIONS:-

Here are some similarities and differences observed between the global and local moving average temperature data:-

SIMILARITIES:-

1. On the present moment, the two lines are unpredictable, yet on the long haul, both represents a moderate increment pattern.

2. Both diagrams shows increment of around 1 **°C** to 5 **°C** in normal temperature with time, which means earth is getting more sizzling.

DIFFERENCES:-

1. Local normal temperature is seen to be more blazing than the worldwide normal temperature by 8 **°C** to 10 **°C**.

2. Global moving normal temperature is expanding at quicker rate by 2 **°C** to 5 **°C** in contrast with local moving normal temperature which is not stable. It is first increasing, then decreased by 5 **°C** then again increasing by 1 **°C** to 2**°C**