Exploring Weather Trends IN San Jose

OUTLINE

Tools used: Excel, SQL

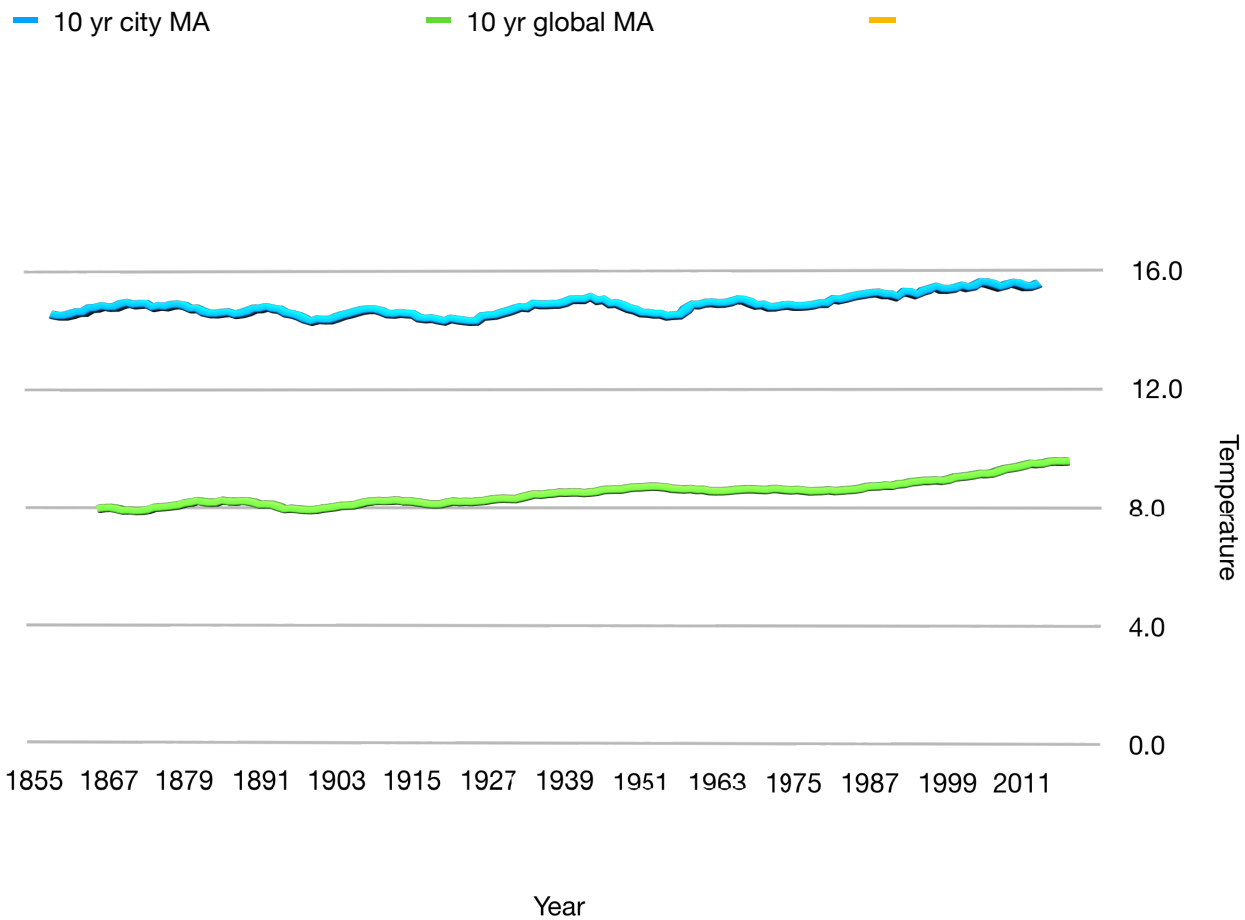
- SQL query used:

  To determine the nearest city: SELECT *
  FROM city_list
  WHERE country='United States'

  To extract data at city level: SELECT year,city, avg_temp
  FROM city_data
  WHERE city='San Jose'

  To get the global data: SELECT *
  FROM global_data

- Used Excel to determine the moving average of the temperatures of city and global ones.



Moving Average: Calculated moving average over a period of 10 years by calculating the average of the first 10 yrs and the average for 2nd year to 11th year then average for 3rd year to 12th year and so on.

Key considerations: Mainly took into account the average temperatures of the City **San Jose** from year 1849-2013 and also the global temperatures for the same period.

OBSERVATIONS

1. Over the period of time both global and the city temperatures have increased.
2. San Jose is always hotter when compared to average global weather.
3. Global temperatures have increased by 4 degrees in the 2 centuries observed while San Jose increased by only 3 degrees
4. Global temperatures significantly increased in the middle of 20th century but San Jose temperatures have seen that significant rise in temperature only in last couple of decades.

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