Contents

Explore Weather Trends	1
SQL Query	
SQL Query	
Formula to calculate moving average	1
Data Visualization	2
Observations	
UDSELVATIOUS	2

Explore Weather Trends

This project is to explore weather trends for city of San Jose and compare it to global average.

SQL Query

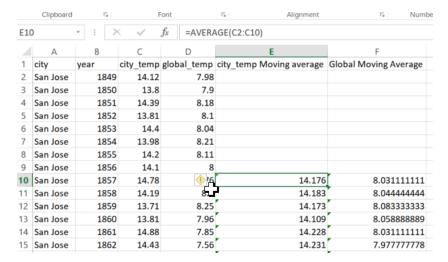
select
cd.city,
cd.year,
cd.avg_temp as city_temp,
gd.avg_temp as global_temp

from city_data cd join global_data gd on cd.year= gd.year where cd.city = 'San Jose'

Formula to calculate moving average

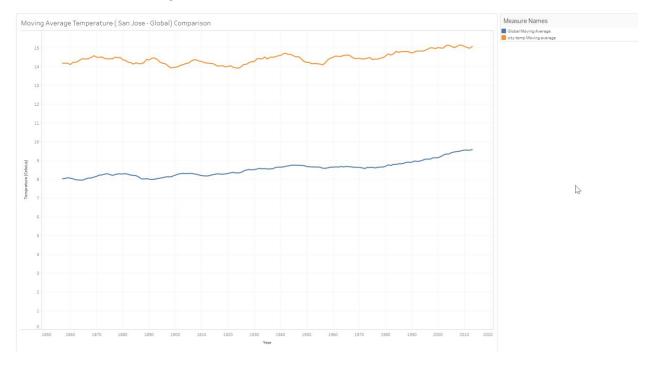
Calculated 10 year moving average for 'city_temp' and 'global_temp' using similar method.

Example: For the year 1858, the formula for city_temp Moving average is AVERAGE(C3:C11)



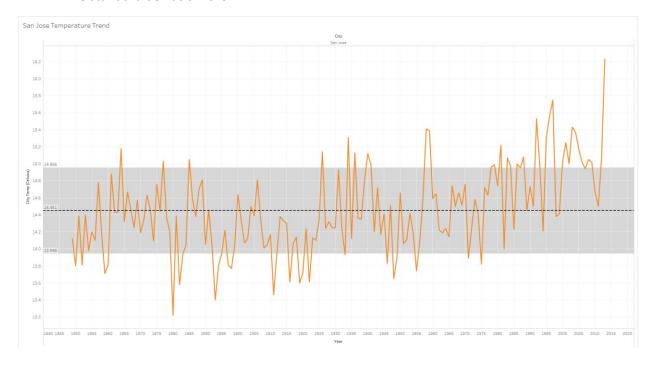
Data Visualization

The data is visualized using Tableau.

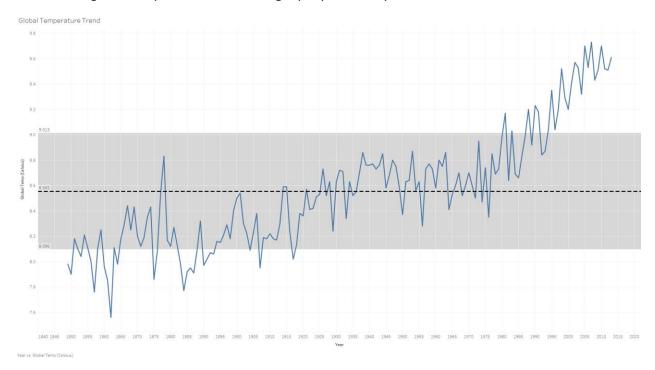


Observations

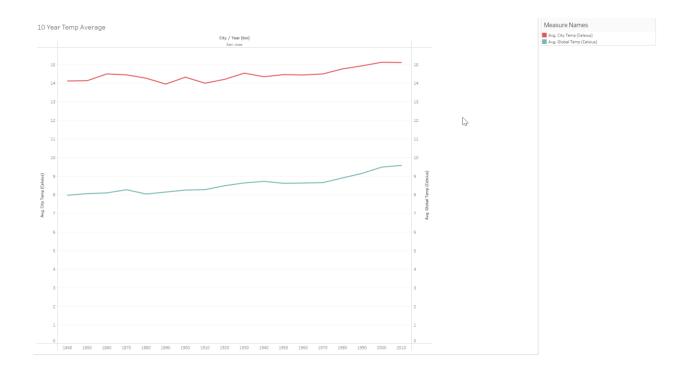
1. San Jose city temperature is increasing in the recent years, but there is not a significant increase. The standard deviation is low.



2. The global temperature is increasing rapidly over the years.



3. The 10 year average shows that the average temperature for both San Jose and global are increasing and there is a steep increase 1990 onwards.



4. The temperature difference between San Jose and global temperature is reducing.

