Explore Weather Trends #DAND

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#1 Extracting the data : SQL

The Database Schema

There are three tables in the database:

- city_list - This contains a list of cities and countries in the database.
- city_data - This contains the average temperatures for each city by year (ºC).
- global_data - This contains the average global temperatures by year (ºC).

Queries used

1.For City Data:

```
SELECT * FROM city_data

WHERE country='India' AND city='Delhi';
```

2.For Global Data:

```
SELECT * FROM city_data;
```

#2 Approach to data analysis

-Downloaded the CSV file

-Used SQL to pull queries-SQLite Browser

-Used Google Sheets to analyse data

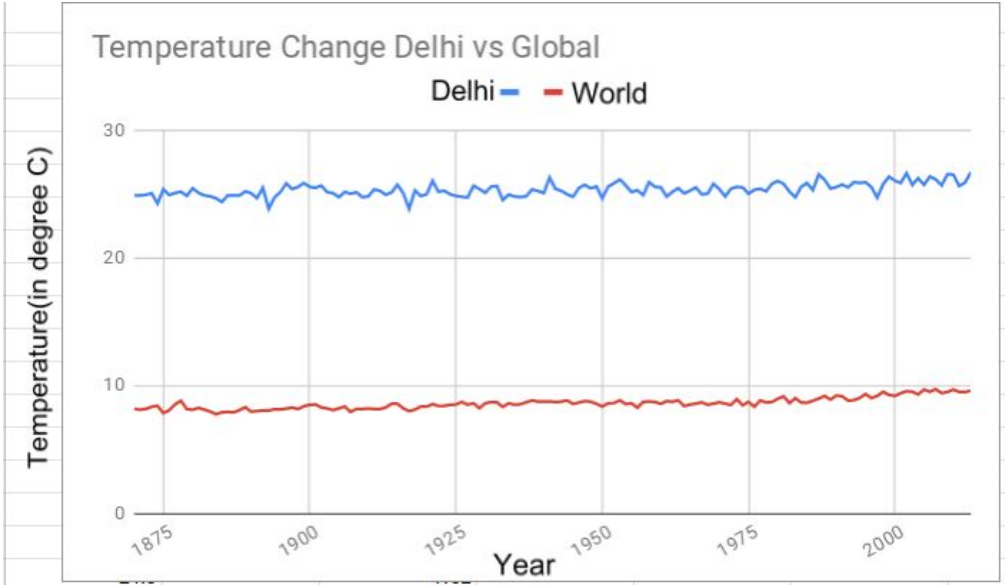
#3 Calculating Moving Averages

For 7 years MA(Moving Average)

Google Sheet command

=AVERAGE(A2:A8)

#4 Line Chart



OBSERVATIONS:

1.**Global average temperature < Delhi's average temperature**

2.There has been **consistency maintained(means minimal variation)** over time for Global as well as Delhi temperature.

3.According to the chart the world as well as Delhi is **getting hotter** because from year 1875 to year 2000,temperature rise can be observed.

4.World and Delhi's trend are having similar trends of increment and consistency.