**PROJECT: EXPLORING WEATHER TRENDS**

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1. **What tools did you use for each step? (Python, SQL, Excel, etc.)**
2. SQL queries

--temp global data

select \*

from global\_data

;

--temp data for Kenya, nearest biggest city next to me

select \*

from city\_data

where country = 'Kenya'

;

1. Download CSV file and transform to MS Excel which I used to calculate the moving averages and charts
2. **How did you calculate the moving average?**

Used the same example from the lesson, calculated 5,10 & 20-year moving average to see which one better smooths the data

1. **What were your key considerations when deciding how to visualize the trends?**

* Considered starting years: KE data starts from 1850 – 2013 while global data starts from 1750 – 2015. For easy comparison, eliminated global data before 1850 and after 2013 hence similar years.

1. **Line Chart**

***PS: KE: Represents Kenya in the charts while G represents Global***

1. **Observations about similarities & differences in the trends**

* Both temperature levels are increasing steadily year after year
* Kenya is hotter than the global temperature
* Both temperature levels have small margin fluctuations over the years.
* Between 1870 & 1874 Kenya had the same moving average while the global average was changing