Explore Weather Trends

Project 1 : Explore Weather Trends Riyadh ,Saudi Arabia

- What tools did you use for each step?

  o   (SQL)   : used Extract data from DB .
  o   (Excel) : used to calculate the moving average .

- Extract data from a database using a SQL query
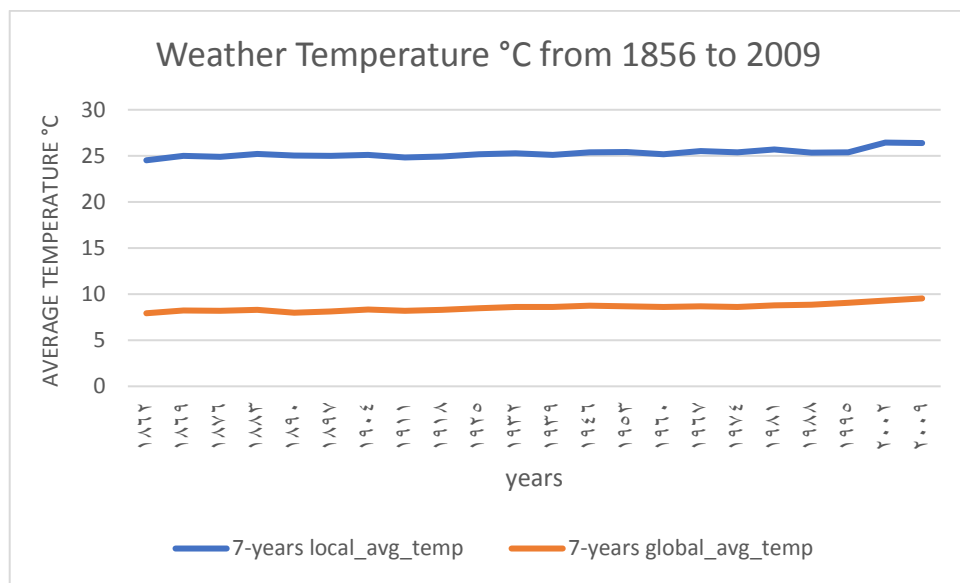

- How did you calculate the moving average?

  o I calculated the moving average of 7 years by using
    the command = AVERAGE(B2:B8) .

- What were your key considerations when deciding how to visualize the trends?

  - my key considerations was to observe an increase and decrease in moving average Temperature . i have combined both Global Average Temperature and Riyadh with 7 years .

- Line chart **with local and global temperature trends**

- At least **four observations** about the similarities and/or differences in the trends
  - Global Average Temperature for 7-years varies between 7.91 ℃ to 9.54 ℃ .
  - Riyadh city Average Temperature for 7- years varies between 24.50 ℃ to 26.44 ℃
  - Average Temperature Riyadh is hotter than Global average Temperature .
  - Both local average Temperature and global average Temperature have increasing every end of sever years.
  - the chart of Riyadh vs global has big difference in Temperatures.