# Project 1: Exploring Weather Trends

1. **What tools did you use for each step?**

* SQL: SQL query used to extract the data is included.

Figure :Local

Graphical user interface, table

Description automatically generated

Figure :Global

Table

Description automatically generated

* Excel: vitalizations data

Chart, line chart

Description automatically generated

Chart, line chart

Description automatically generated

1. **How did you calculate the moving average**

Using query AVEAGE in Excel for (7 years)

Graphical user interface, application

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Table

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Table

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1. **What were your key considerations when deciding how to**

**visualize the trends**

I live in the Riyadh region, where the temperatures are very high, sometimes reaching 50 degrees Fahrenheit in the summer.

**observations** :

* My city is often hot in the summer and cold in the winter, with an average of ~24 degrees, which is acceptable as an average of fifty
* My city is hotter on the global average, and the temperatures during the years have been constant at an average of about 24 and 25 degrees
* There are no changes during time except for a slight rise to 25 and then descended to 24, while on a global scale the temperature was changing by decimal point only : 8.1 ,8.5 , 8.01 and so on
* The world is also getting colder compared to what is happening in Riyadh, and this is very normal in relation to the geographical location of Riyadh, where Najd mediates.

**Workplace:**

Graphical user interface, application, table

Description automatically generated