**UK CLIMATE INFORMATION**

**VISUALISATION**

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The provided data, which was compiled by the Met Office National Climate Information Centre, shows the monthly, seasonal, and yearly mean of the daily maximum air temperature in the United Kingdom from 1884 to 2022.

Link to data

<https://www.metoffice.gov.uk/pub/data/weather/uk/climate/datasets/Tmax/date/UK.txt>

GitHub repository link

<https://github.com/vyshakpattan/visualisation_assignment/blob/main/assignmentads>

**1. LINE PLOT**

The given line plot depicts the mean of the daily maximum temperature in three different seasons in the United Kingdom: spring, summer, and autumn, with data collected between 1884 and 2021. Temperature is measured in degrees Celsius. According to this graph, summer temperatures are excessively high in comparison to spring and autumn, and in some years, they have exceeded 20 degrees Celsius. In comparison to summer, spring and autumn have roughly similar temperatures; however, it can be seen that spring temperatures are often too low, reaching less than 10 degrees in some years.

**Chart

Description automatically generated**

**2. BAR PLOT**

I chose a bar plot for the annual maximum air temperature in the UK from 2015 to 2022 because comparing the height makes it easy to determine which year has the maximum or minimum air temperature. To begin, this graph shows that the annual air temperature does not differ significantly between 2015 and 2021. It can also be seen that the temperature has crossed 12 and dropped below 14 every year. Looking at his graph, it is clear that 2015 had a minimum temperature and 2022 had a maximum temperature.

Chart, bar chart

Description automatically generated

**3. PIE CHART**

The below pie chart shows the UK's highest January air temperatures from 2015 to 2022. I selected a pie chart because it accurately splits a circle into various sizes and is simple to understand visually. With the help of this graph, it is clear that January 2020 recorded the highest air temperature and January 2021 recorded the lowest. The temperatures in January 2015, 2018, and 2017 are almost the same

Chart, pie chart

Description automatically generated