***How does the weather in London affect the daily share of bikes? Is (are) there any specific weather condition(s) that have the highest/lowest sharing counts?***

A graph with different colored squares

Description automatically generated

***How do bike-sharing counts vary across different seasons in London? Are there notable differences in bike usage between spring, summer, fall, and winter?***

A graph of a number of colored objects

Description automatically generated with medium confidence

***Acknowledgment: Below is the detailed description of the dataset which has been copied from the original source.***

***“Historical data for bike sharing in London 'Powered by TfL Open Data'***

***The data from cycling dataset is grouped by "Start time", this represent the count of new bike shares grouped by hour. The long duration shares are not taken in the count.***

***Metadata:***

***"timestamp" - timestamp field for grouping the data  
"cnt" - the count of a new bike shares  
"t1" - real temperature in C  
"t2" - temperature in C "feels like"  
"hum" - humidity in percentage  
"wind\_speed" - wind speed in km/h  
"weather\_code" - category of the weather  
"is\_holiday" - boolean field - 1 holiday / 0 non holiday  
"is\_weekend" - boolean field - 1 if the day is weekend  
"season" - category field meteorological seasons: 0-spring ; 1-summer; 2-fall; 3-winter.***

***"weathe\_code" category description:  
1 = Clear ; mostly clear but have some values with haze/fog/patches of fog/ fog in vicinity 2 = scattered clouds / few clouds 3 = Broken clouds 4 = Cloudy 7 = Rain/ light Rain shower/ Light rain 10 = rain with thunderstorm 26 = snowfall 94 = Freezing Fog”***

<https://www.kaggle.com/datasets/hmavrodiev/london-bike-sharing-dataset>