REPORT

I’ve decided to present the monthly and seasonal weather data for the time period of Oct 2016 to Oct 2017 using 2 main charts for each infographic. I’ve found that rainfall and temperature is the most important data so I used charts for those weather components whereas humidity and atmospheric pressure which is not as important, I have given the key data as text for both infographics. I gave the heading as Seasonal and Monthly Weather since it aptly represents the information and I also gave the time period of the dataset below the heading to let the viewer know when this data was taken.

I used a dark blue background for both the infographics as I imagined I would be using brighter colours to represent my weathers as the colour of weathers are traditionally represented using vibrant colours. I used orange for Summer, Brown for Autumn, Green for Spring and Blue for Winter to represent weather data. I used this colour on the pie chart as well as the words of the seasons in the infographic. I made sure to make all the key information as Bold as well as giving it a colour. For monthly, I gave the months with the highest value as Green and the lowest value as Red.

For monthly infographic, I decided to display the average rainfall first as I think it is the most important weather component. I used a bar chart for this average rainfall is a very simple quantitative data, which is the reason I put this chart first on the infographic according to Mackinlay’s ranking of visual properties. I put a small text below writing down the key information which is the months with highest and lowest rainfall. Again, I’m using vibrant colours to display graph and the months. Next, I displayed a line chart of the outdoor temperature range. I used line chart as I found this best for checking variation between two data at a certain point. This displays how much variation of temperature happens within a month. After that I wrote the month with the highest day and lowest day for atmospheric pressure and humidity as text.

For seasonal infographic, I decided to display a pie of chart of how many days had rain per season. I used a pie chart as I want to display percentages and there are only 4 divisions of seasons, so according to Mackinlay’s ranking, it seemed the best choice. I used pictures of seasons and colours of seasons to make it easier to understand. Again, for each chart I have given a text which displays the key data like highest and lowest number of rainy days. Next, I made a bar chart which displays average indoor vs outdoor temperature and I wrote text which has summary of what the differences between the temperatures were. Finally, I gave the seasons with the highest and lowest average atmospheric and humidity as text.