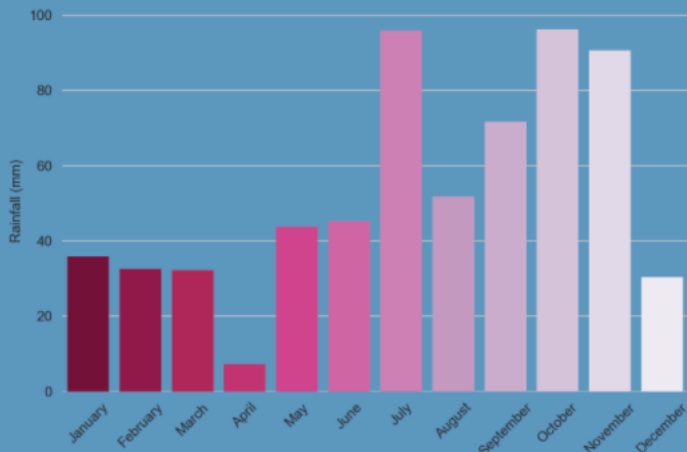


The Rainfall Relationship

Observing the Relationship between Rainfall and other Climate Features

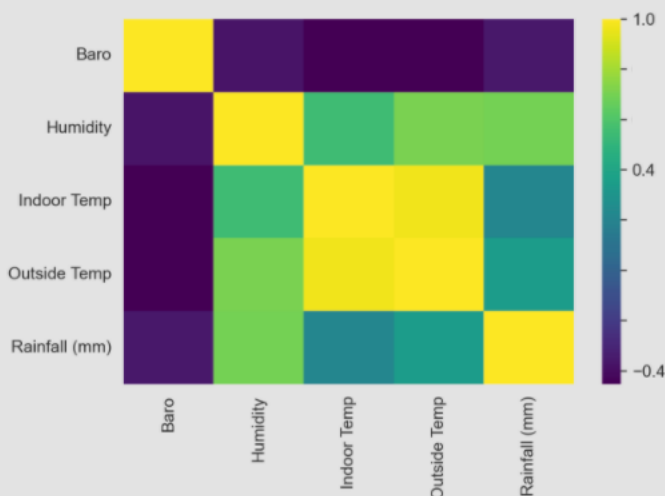


Rainfall throughout the Year

- Peak rainfall occurs in the July to November Months
- Rainfall appears to have some relationship with transition from Summer to Autumn
- Let's have a look at why this may be!

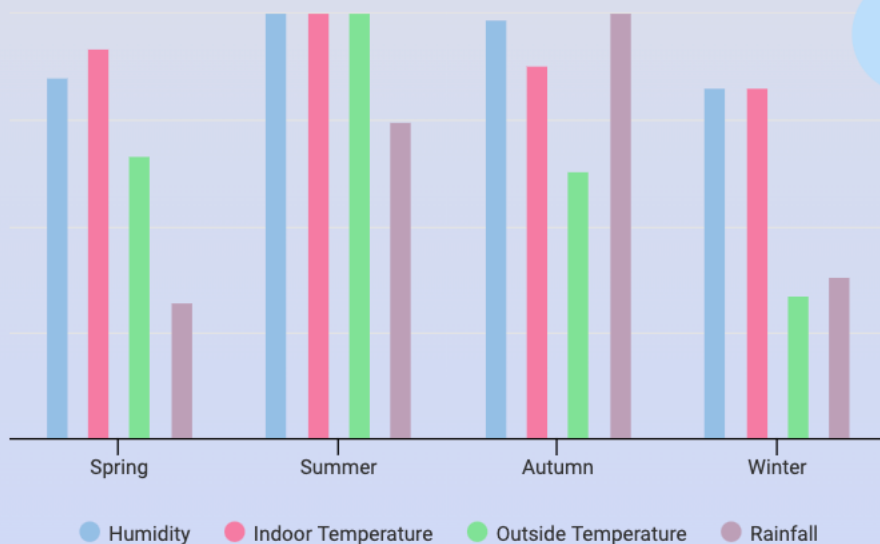
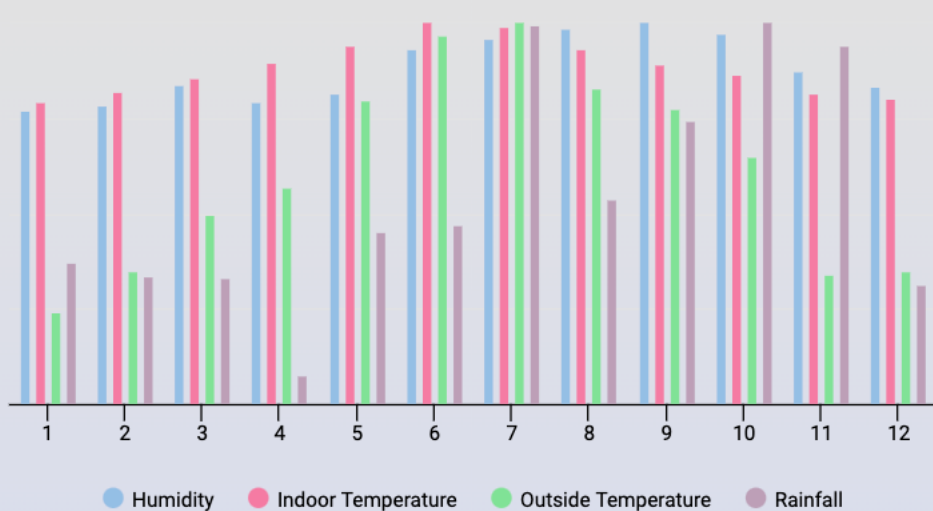
Correlation between Climate Features

- Rainfall evidently has strong correlation with humidity and negative correlation with air pressure
- Appears to have a fairly weak correlation with indoor temperature and outside temperature



What does this mean?

- Humidity is the amount of water vapour in the air - indeed, if the air is more humid precipitation is more likely to occur
- Logically, since the summer-autumn months have the highest humidity, they also have the most rainfall.
- Greater humidity means less air pressure as air rises when it's warm
- Rainfall is negatively correlated with air pressure since it has negative correlation with humidity



What can be Inferred from Seasonal Transitions about Rainfall?

- As expected, when humidity increases, precipitation follows after
- Relative humidity is the measurement of humidity in the air compared to how much there could be; when temperature falls to 'dew point', water condenses and precipitation occurs
- Temperatures decreasing when humidity is high is followed by increased rainfall