

## Observable Trends

The first observable trend is that Temperature has a discernable correlation with latitude. While both hemispheres show a strong correlation, the southern hemisphere is not as strong as the northern. This could be due to the random cities that were pulled are mostly from the Northern hemisphere. If the pulled cities were equally distributed, we might be able to gather better information on this plot.

The second observable trend is that Humidity and Cloudiness do not have a strong correlation with the latitude when we look at them separately. With this information, we can not discern if being closer or farther from the equator, means there will be a higher/lower humidity, or if the city would have more/less cloud coverage. When we look at the overall for both variables, there doesn't appear to be any correlation.

Lastly, is the correlation between Wind Speed and Latitude. There appears to be a lot of cities with wind speeds below 10 mph in the northern hemisphere. As for the southern hemisphere there looks to be a slight negative correlation. As the Wind Speeds decrease, the Latitude increases. Once we combine the two hemispheres, there doesn't appear to be any correlation between the two.