**Weather vs Latitude Analysis**

1. Based on the randomly selected 516 cities in my dataset, cities with the highest maximum temperatures are not located near Equator. These cities are located between latitude 20 and 40.

However, we did not take the altitude of the cities into consideration in this analysis. Temperature generally decreases as altitude increases.

1. There is not a clear correlation of cities with high humidity. However, there is a clear gap between latitude around -18 to 22, where there are no cities with low humidity (< 35%).
2. There is not a clear pattern of cloudiness vs. latitude in general. The only notable observation is the lack of cities located between latitude -2 to 5 (approximately) with 0% cloudiness.
3. Wind speeds between 0 to 15 are pretty evenly distributed amount the sample cities. The outlier with higher wind speed seems to be with cities with latitude -30 and lower.