After completing the weather py analysis using the citipy module to pull in 500 random cities, the conclusions that can be drawn are that:

* Temperature seems to have a clear correlation with latitude.
* As expected, the weather becomes significantly warmer as you approach the equator. On average the southern hemisphere tends to be warmer than the northern hemisphere.
* There is no strong relationship between latitude and cloudiness or wind speed.
* There is no strong relationship between latitude and humidity. However, there is a slightly larger amount of northern hemisphere cities with higher humidity than cities in the southern hemisphere.