Week 06 – WeatherPy

This exercise took randomly generated coordinates and used citipy module to find 800 nearest cities and their country codes. Using the openweatermap API, weather data (e.i., latitude, longitude, Temperature and Humidity) for Nov 9., 2019 was recorded for those 800 cities. Scatterplots mapping the trends of temperature, humidity and wind speed were created.

Observations

1. As latitudes reach zero (the equator), mean temperatures sit around 80 degrees. The highest temperature (~98-100\*F), however, was recorded between -30 and 40 degrees Latitude. Temperatures get much cooler (dropping below 40\*F) in the Northern hemisphere.
2. Humidity and cloudiness tend to accumulate in the upper quartile.
3. Wind speed generally stays beneath 20 mph. Highest windspeeds are also found in the Northern Hemisphere (between 60 and 80\*N).