**Analysis:**

I use citipy module to select 500 cities randomly so I can analyze the relationship between latitudes and temperatures, cloudiness, wind speed and humidity.  Below is what I found based on the 4 different plots:

1) Latitude and Temperature: The correlation between latitude and temperature is strong.  We can tell by the first plot when the latitudes are closer to 0, the temperatures are getting higher.

2) Latitude and Humidity: There is no correlation.

3) Latitude and Cloudiness: There is no correlation.

4) Latitude and Wind Speed: There is no correlation.