I created a weather script in python of cities with different distances from the equator using OpenWeatherMap API. Using the starter code, I created different plots to show the relationship between the latitude of the city and the city’s: temp, humidity, cloudiness, wind speed. Lastly I made a linear regression for reach relationship int eh northern and southern hemispheres.

Next, using Geoapify API, I created a map for cities in the data frame with the size of the dot being how much humidity there is in that city. Then the data frame was narrowed down to a max temperature. A data frame called hotel\_df was used to store the city, country, coordinates and humidity. Then I used the API to find hotels 10,000 of coordinates. Lastly, I made a hover message for each city.