Important Points:

The Weather.Py has collected data from 637 random and different and diverse cities all over the world using Weather API. The data described about temperature in Fahrenheit, humidity, cloudiness, and wind speed, maximum temperature with the corresponding city as well as connected to latitude and longitude. Certainly, temperatures are maximum closer towards equator and gradually decreases in the Northern Hemisphere as well as in Southern Hemisphere. The temperature has changed as the earth moves around the sun and tilt towards the sun. the analysis found that there is very little or negligible correlation between humidity and latitude, cloudiness and latitude.

The next part is Vacation.Py uses gmaps and Google places API to generate heatmap of these cities and narrowed down cities in terms of no cloudiness, less than 10 mph wind speed and maximum temperature is greater than 70 and less than 80.