WeatherPy Analysis

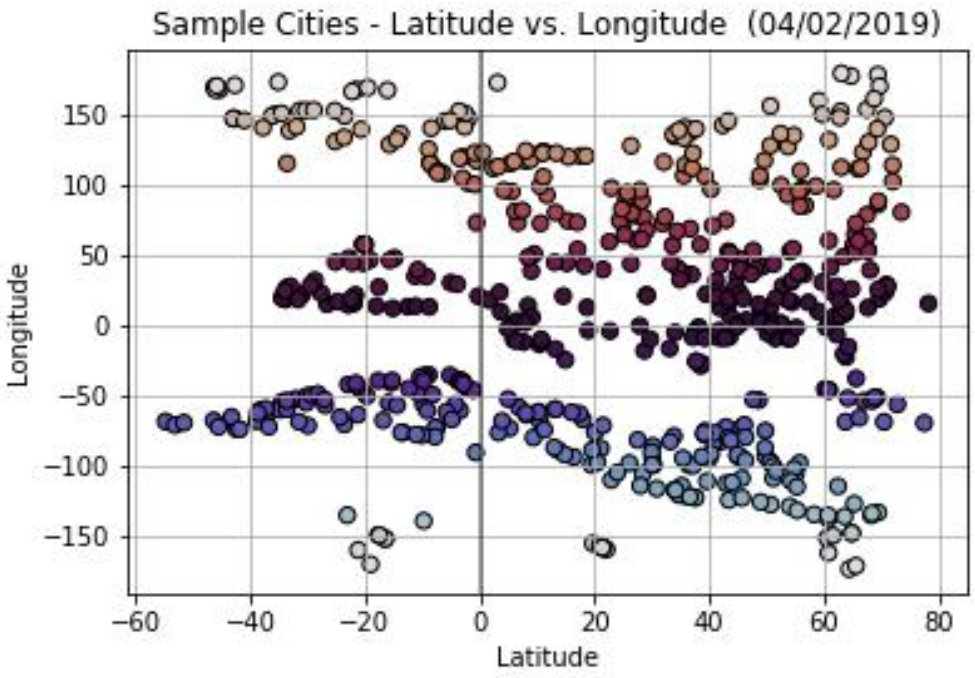
In this exercise, we were asked "What's the weather like as we approach the equator?". The data collected will show multiple factors in weather closer to the equator:

1. Temperature
2. Humidity
3. Cloud Cover
4. Wind Speed

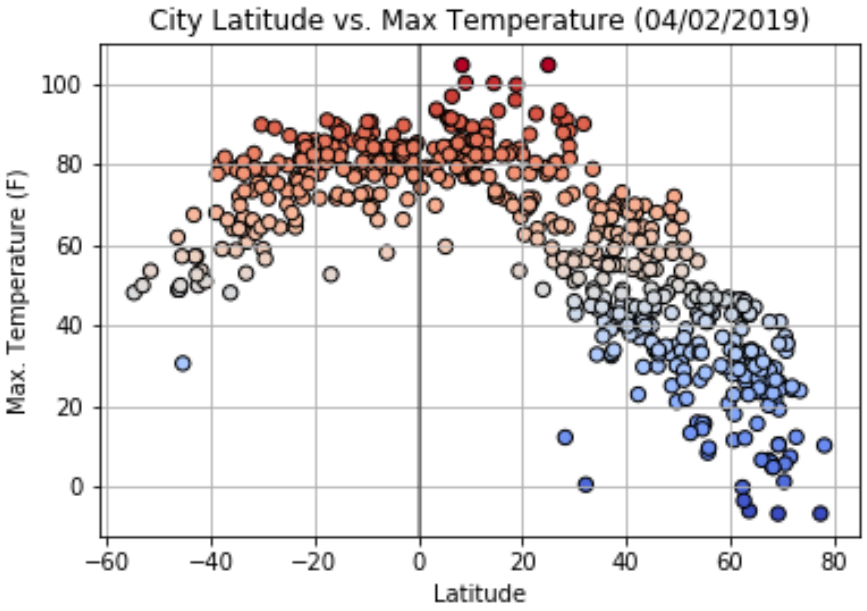
The conclusion is: while it may get warmer the closer to the Equator you get, it was certainly not the warmest or most humid region at the time of this analysis.

The Data Sample

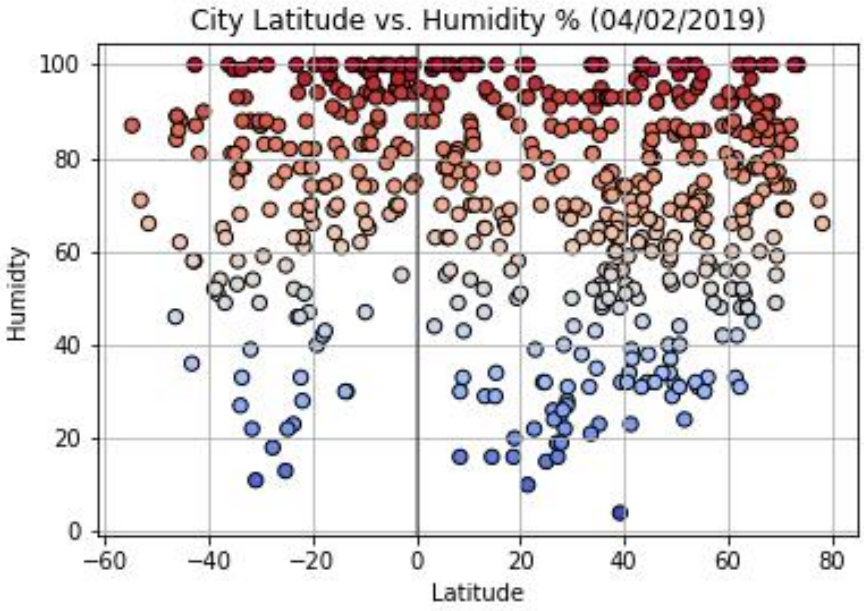
The data sample consists of 579 random cities ranging from sixty below (-60) and eighty (80) above the equator. The samples cities were mostly gathered from cities above the Equator and in the Western Europe region as shown in the graphic below.



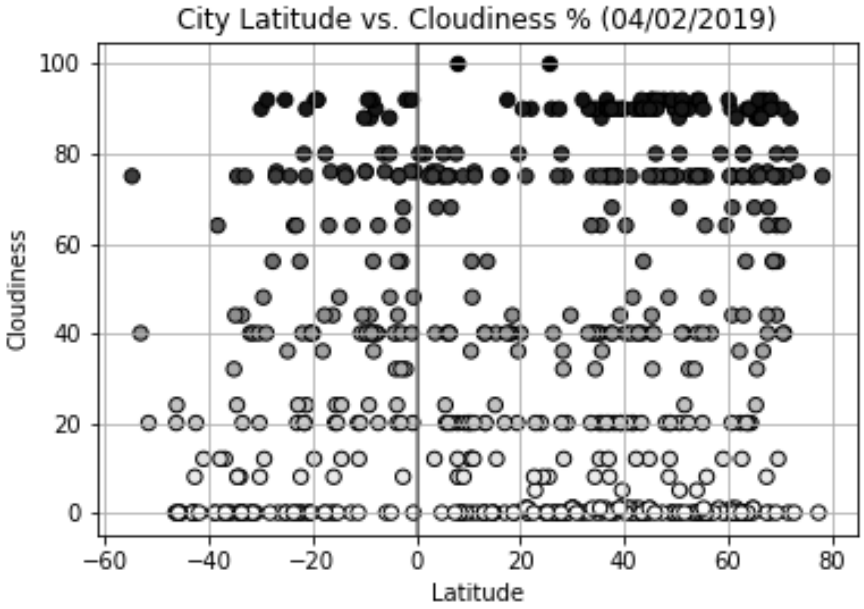
1. **Temperature**
    a. The temperature does indeed get warmer the closer you get towards the Equator, but it's not the defining factor for temperature increase. There are several cities 20-30 degrees North that are significantly higher.



2. **Humidity**
    a. Humidity does tend to increase the closer you get to the Equator and farther south. Although, on this date it appears humidity was fairly high in the northern hemisphere.



3. **Cloud Cover**
    a. The cloud cover in this sample appears consistent amongst the cities, with the Equator not making a difference in the result.



4. **Wind Speed**
    a. The wind speed at the time of this was average throughout the sample cities, with only a few outliers far north of the Equator.