**WeatherPy Assessment**

Scott Clark

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**Analysis**

1. There is a correlation between latitude and maximum temperature.

Max temperatures above 60 degrees Fahrenheit are primarily clustered between -40 to 40 degrees latitude. Beyond that range, as you get closer to each of the Earth’s poles, max temperatures tend to decline steadily

1. There appears to be some relationship between humidity and latitude.

There was more clustering of higher humidity cities as latitude increased north of the equator. For this sample of random cities, none of the cities at a latitude of 50 degrees or higher, had a humidity less than 40 percent. In general, a majority of the cities at all latitudes had a humidity greater than 60%.

1. Cloudiness and wind speed showed no clear relationship to latitude.

Based on the data in this analysis, cloudiness varied at all latitudes. The only trend was for cloudiness to be reported at certain levels; the bulk of values were at 0, 20, 40, 75, 90, and 100 percent. Wind speed also did not seem to be related to latitude, with the majority of locations reporting under 10 mile per hour winds.