Weather API Trends – What happens when we get closer to the Equator?

1. The City Latitudes vs Temperature scatterplot follows a parabola with the cities in latitudes -20 to 30 degrees having the highest temperatures. It’s interesting to note that the cities in the latitudes 20-40 degrees are pretty varied with a few outliers having temperatures in the 15 to 40 degrees Fahrenheit and a few cities in the 90 to 100 degrees Fahrenheit. I wonder if it is because the Earth is tilted on its axis so the cities in the 20-40 latitude range are more exposed to the Sun.
2. Looking at the City Latitudes vs Humidity scatterplot, cities located in 0 to 20 latitudes are less humid.
3. Looking at the City Latitudes vs Wind Speed scatterplot, cities located in 0 to 20 latitudes have a slight tendency to be less windy.