Weather Analysis:

* From the scatter plot, City Latitude vs Max Temperature it is understood that Max temperature increases near the equator i.e.0(Latitude) and the temperature decreases near the Northern and Southern Hemisphere.
* Humidity is more near the northern hemisphere compared to Southern Hemisphere.
* Barring few areas, windspeed was <10 miles per hour for the most part of the temperatures.
* From the slope off Max Temp Vs Latitude Linear Regression near the Northern Hemisphere, it is determined that as we move towards the Northern hemisphere the Max Temperature is reduced.
* In Southern Hemisphere as we move to the equator Temperature raises.
* Similar pattern is observed for cloudiness in the Southern Hemisphere.
* Windspeed is less than 10 miles per hour near the northern Hemisphere and the slope slightly increases implying the windspeed increases more as we move towards the north pole.