1. One of the most quickly observable trends is that as the cities move closer to the equator (latitude=0) the recorded maximum temperatures increase. This is because the light rays from the sun hit the earth's surface more directly closer to the equator, rather than at latitudes further away from the equator because the sun's rays hit these areas less directly.
2. Another trend evident with the data is that there is no indication as to which latitudes exhibit higher cloudiness. The data is very scattered in the charts and therefore, latitude is not an indicator of cloudiness,
3. A third trend observed in the data is that there are many more instances of high humidity in the cities that are further in the northern hemisphere than cities that are further in the southern hemisphere. The regression models also show that there is a positive slope when it comes to moving further from the equator into the northern hemisphere and positive slope when moving from the southern hemisphere to the equator. This signals that, according to this data, humidity seems to increase as the city latitudes move from the southern hemisphere into the northern hemisphere.