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API HW

3 Observable Trends

1. We can see from the data that as the latitude of the cities move closer to the equator, or 0, that the max temperature for that city is higher on average then the cities father away from the equator. There are several outlier cities on the scatter plot that are probably due to extreme elevation levels that can lead to warmer than average or cooler than average temperatures for cities on the same latitudinal lines.
2. On the City Latitude vs. Humidity, the scatter plot is not a distinct curve as it was for max temperature but more spread out among different latitudes. Humidity levels are affected by moisture in the air, which can vary a lot more among cities on the same latitudinal lines.
3. The last scatter plot looks at City Latitude vs. cloudiness. This chart has the least normal plot and varies greatest for cities with similar latitudinal coordinates. Again cloudiness has many factors that can affect it besides the latitude of that city. Coastal regions could see a greater number of clouds due to marine layers coming in from the sea. The plot tells us that other factors besides the latitude of a city affects the cloudiness of said city.