Python API Homework - What's the Weather Like?

Observations:

1. Based off the scatter plot for Max Temperature and Latitude, it is apparent that there is an inverse relationship between the two. As the latitude gets higher, the max temperature gets lower.
2. Although, there wasn’t a strong relationship between Latitude and Cloudiness, Latitude and Wind Speed, or Latitude and Humidity in the scatter plots.
3. Interestingly, there was a R-squared of -0.86 for the regression of Latitude and Max Temp for the northern hemisphere, which shows that the data is a strong fit for the trend and the correlation is high. However, the southern hemisphere regression only had a R-squared of 0.45, which shows a low correlation. My guess is that it may suggest that the southern hemisphere sample is skewed or that the samples are not big enough.