Python API Weather Challenge Analysis:

In the plot graph for City Latitude vs Max temperature it is seen that between the latitude of 0 and 20 shows the highest temperature. This proves that the closer we get to the equator the hotter it is. Also see the Northern Hemisphere max temp vs latitudes linear regression temperature decreasing as we move further away from the equators latitude of 0 and is further supported by a r squared value of .76.

Northern Hemisphere - Wind Speed (mph) vs. Latitude Linear Regression shows that latitude has little effect to wind speed measured with a low r squared value of .04

Northern Hemisphere - Cloudiness (%) vs. Latitude Linear Regression shows that cloudiness Is random across latitude points measured with a r squared value of .04