Part 1 Trends:

When looking at the Northern Hemisphere Latitude Cities vs the Temperature, there is a strong negative correlation. When the data is looking at both hemispheres, there doesn’t appear to be any semblance of a good line of fit. However, when looking at the different hemispheres, there is only a slight line of fit showing any correlation between latitude when compared to humidity, temperature, cloudiness, or wind speed.

Part 2:

Given that the Google API key for Places was not functional due to an error, and after a while it required billing information, it was not possible to make the heat map.