**Homework 6 - PyWeather**

1. From our random sampling of world cities the highest temperatures can be observed between -25 and +25 degrees latitude. Although the data obtained does not disprove the theory that temperatures peak at the equator it does cast aspersions on the hypothesis. A more robust analysis would include average annual temperatures rather than the highest temperature recorded on a particular day.
2. The temperatures of cities in the northern hemisphere (positive latitudes) are more widely dispersed (0 to 90 degrees Fahrenheit) than those in the southern hemisphere (negative latitudes), which tend to cluster together more densely at points between 40 to 90 degrees Fahrenheit.
3. There seems to be no correlation between latitude and measures of cloudiness, wind speed, or humidity.
4. Water covers a vast portion of Earth. That is why we did not obtain any data points further south than -57 degrees latitude.