**Homework #6 Trends and Observations**

1. Both the Northern and Southern Hemisphere scatter plots showed that as you get closer to 0 degrees latitude the higher the expected maximum temperature. This shows that the hottest temperatures take place around the Equator.
2. There appear to be more cities closer to the North Pole than the South Pole. There are no cities below -60 degrees latitude on my charts, but there are many cities between 60- and 80-degrees latitude. This could be a coincidence given that we randomly selected 500 cities. However, if you look at a World Map you can see that there appears to be far more land near the North Pole than there is to the South Pole, so it makes sense that there would be more cities near the northern extreme.
3. The R-squared values of wind speeds for both hemisphere scatter plots was below .2. This shows that there is almost no correlation between wind speed and latitude.
4. Yesterday would have been a really good time to go to Brazil, because 4 of the 6 cities with ideal conditions were in Brazil.