**For Part I, you must include a written description of three observable trends based on the data.**

**Max Temp vs. Latitude:** For Northern hemisphere based on the r value there is moderate -ve correlation between the latitude and temperature. As the latitude increases the Max temperature decreases.

**Max Temp vs. Latitude:** For Southern hemisphere the r value is 0.76 which shows that is a strong correlation between the latitude and temperature. ie as the latitude gets farther from equator there is a steady decrease in the max temperature.

**Humidity (%) vs. Latitude:** The r value is <0.3 for both hemispheres which shows that there is no correlation or very weak correlation between humidity and latitude.

**Cloudiness (%) vs. Latitude:** For both Northern hemisphere and Southern hemisphere the correlation value is very small for cloudiness and Latitude showing there is no correlation between two.

**Wind Speed (mph) vs. Latitude:** The r value is <0.3 for both hemispheres which shows that the correlation is none or very weak between windspeed and latitude.