**Global weather data analysis**

1. It can be seen from the figure of latitude vs temperature plot that the temperature is higher when we approach the equator. The linear regression results show that latitude and max temperature has a strong relationship which is positive in northern hemisphere and positive in southern hemisphere.
2. The latitude has a positive relationship with humidity in both northern and southern hemispheres.
3. The cloudiness and cloudiness seem to be irrelevant to latitude in either northern or southern hemispheres.