# WeatherPy

You must include a written description of three observable trends based on the data.

* Latitude vs Temperature

A close up of a map

Description automatically generatedA graph below represents the relationship between City latitude and maximum temperature from samples. It can be said that temperature, maximum temperature to be precise, increases as it approaches toward the equator regardless of which side you are approaching from.

Since the southern hemisphere is in summer and the northern hemisphere is in winter, overall maximum temperature tend to be higher in southern Hemisphere than Northern Hemisphere.

* Latitude vs Humidity  
  A close up of text on a white background

  Description automatically generatedA graph on the left shows a relationship between city latitude and humidity. The blue line 80 represents average humidity which is constant throughout. However, it clearly becomes more humid where latitude ranging from -20 to 0, i.e. Brazil, and from about 50 to 70, i.e. Canada.
* Latitude vs Cloudiness  
  A screenshot of a cell phone

  Description automatically generatedIt is not notable that there is any relationship between cloudiness and latitude which means it can be cloudy or sunny regardless of latitude.
* Latitude vs Wind Speed

A close up of a map

Description automatically generatedOverall, wind speed is ranging from 0 to 20mph and slightly speeds up towards latitude 80 degree. To be precise, wind tends to speed up towards the both poles.