HW 6: Weather\_PY Findings

**Trends based off of Visualizations:**

Latitude vs Max Temp Graph

* Cities with the highest temperatures (peak) seem to be within the 0-30 latitude range.
* Maximum temperature starts to decrease with the latitude increase (getting further from the equator) after latitude = ~30
* We can possibly conclude the temperature increases near the equator for the day of assessment (maximum temperature may change per area based on the season).

Latitude vs Humidity Graph

* Humidity level seems to increase from the equator and forward (latitude > = 0); data is mostly concentrated on the top right corner of the graph (positive latitude range).
* We usually encounter high humidity levels near water level areas; therefore it may be more suitable to assess the humidity level changes near such areas.

Latitude vs Cloudiness Graph

* Noticeable concentration of cities with cloudiness value of zero across all latitude values.
* There isn’t much we can conclude from this observation, will need further data sampling because we cannot just conclude the cloudiness is constant within a narrow range value 0-4.

Latitude vs Wind Speed Graph

* Wind speed is narrowed within a range of 0-4 as latitude increases.
* Same conclusion as Latitude vs Cloudiness Graph, need more sampling.