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Homework 6: API WeatherPY

Three Observable Trends:

1. A strong trend between latitude and maximum temperature of a city exists. As the latitude increases and decreases from 0 degrees latitude, the maximum temperature of a given city decreases. This decrease is definitively more pronounced as latitudinal degrees increases (number of degrees becomes larger). The highest maximum temperature is at latitude 0 degrees (no surprise).
2. There are no definable trends that can be made when comparing city latitude and humidity %, as well as city latitude and cloudiness %. In order to find a trend involving humidity and cloudiness %, I would guess altitude should be included as variable in place of latitude.
3. While the correlation between city latitude and wind speed (mph) is not very apparent in most cities, a small trend in increase of wind speed (mph) does exist as we look at cities with locations at 35 degrees latitude and greater. It could be very well be that the 10 or so outlying cities with higher wind speeds geographically located at 35 degrees latitude or greater are coincidental choices in the random 500+ cities that were RANDOMLY selected for this project. Thus, I don’t see enough concrete evidence to draw a sustainable correlation between city latitude and wind speed (mph).