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Data Analytics Bootcamp – June 10 Class

Homework – 07 – Python APIs – Weather Data

Observable Trends of Weather Data of 544 Random Cities

* Latitude vs Maximum Temperature:  
  While it does appear to get warmer as we get closer to the equator (Lat=0), the apex of my plot appears to peak closer Lat=20 than Lat=0.
* Latitude vs Humidity:  
  Latitude does not appear to impact humidity as humidity levels are high and low at all latitudes. There are less plot points of low humidity nearer the poles; however, this is likely caused by there being less cities near the poles (making it less likely that that random coordinates near the poles found cities in CitiPy).
* Latitude vs Cloudiness:  
  Latitude does not appear to impact cloudiness as plot points are fairly evenly distributed across all latitudes and cloudiness levels.
* Latitude vs Wind Speed:  
  Although wind speed is about 0 – 15 mph over most latitude plot points; a greater number of high wind speed plot points appear further from the equator.