

Python APIs Write-up

1. Humidity according to Latitude seemed to have inverse trends as Wind Trends according to Latitude. Where both humidity measures and wind measures seemed rather independent of Latitude measures, Humidity ranged rather high for the most part and while wind measures ranged rather low - both with the exception of a few outliers. I would be interested to see a visualization of Humidity vs. Wind measures to see if there is a correlation.
2. Temperature vs. Latitude seemed to have a relatively normal distribution with a skew to the left. Upon some investigation, I found that these results are consistent with historic weather trends, where the Northern hemisphere has been warmer than the southern hemisphere due to a much thicker layer of ice in the southern pole.
3. I found the data from the cloudiness index much less informative than the other 3 figures. This was relatively unexpected, as my intuition suspected that humidity and cloudiness would have very similar trends according to longitude measures, however this was not the case. Cloudiness measures seem irregular, except cluster around certain values (on the Cloudiness axis). I believe this occurs because of the way the data is gathered. Because cloudiness seems hard to measure, it seems likely to me that it was estimated with less precise measures - leading to clusters around certain values, at values starting at 10% and moving up with 10% steps.