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SMU Bootcamp

Python API

Current Weather Data

1. The temperature versus latitude scatter plot displays the cities in the southern hemisphere 20-60 degrees from the equator being warmer than the cities in the northern hemisphere between 20 and 60 degrees north of the equator. As it is currently the summer season in the southern hemisphere, this observation makes sense. Also, the cities near the equator are warmer than those well north of it as expected as the cities in the north are experiencing their winter season.
2. I was a bit surprised by the results of the wind speed versus northern hemispheric city regression line or lack thereof it. I was expecting more of a positive correlation, increasing wind speed as the latitude moves greater north. Knowing the temperatures are lowest further north, I hypothesized wind may have a part to play.
3. With both cloudiness regression lines, I was surprised to observe both the northern and southern hemispheres having any semblance of correlation with the number of clouds. Cloudiness is a more random variable than other metrics, and that may have something to with the positive correlation, however I had hypothesized the two variables being mostly independent.