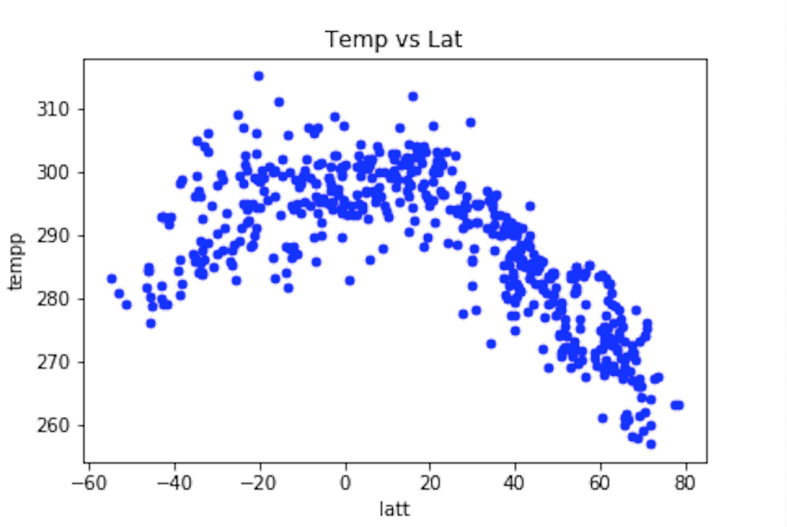
Analysis Weather API

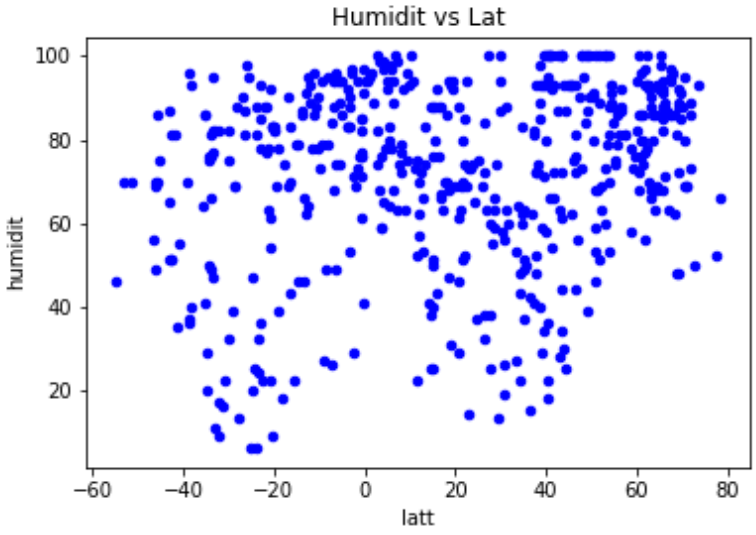
Temperature (F) vs. Latitude

The graphic shows that exists a trend between Temperature and Latitude because of spherical shape of the earth, at lower latitude i.e. cities that are near to Equator the solar radiation is more because it receives directly vertical sun rays so more energy is gained i.e. more hot.



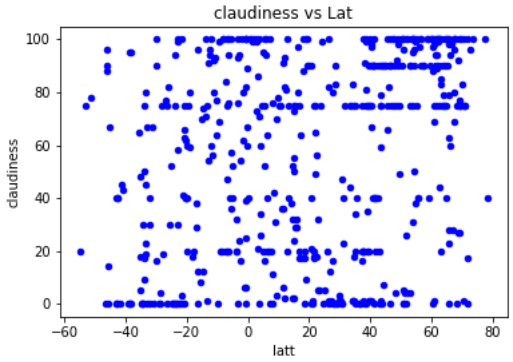
Humidity (%) vs. Latitude

The Humidity vs Latitude is doesn't show a very clear relationship between these 2 variables because the relationship could be related to physical location. For instance, places closes to Equator with higher temperature have less humidity or the relationship also be related with the weather between these two hemispheres, North vs South. Higher humidity when is Summer and lower humidity when is Winter.



Cloudiness (%) vs. Latitude

The following chart doesn't show a relationship between Cloudiness and Latitude.



Wind Speed (mph) vs. Latitude

The following graphic show that exists a constant relationship between the winds and the latitudes and the reason could be because of the rotation of the earth and the temperature pressure that causes constant wind flows between regions