I used the forecast API from openweathermap.org for my final project. I used the requests library to take the json data and create a dictionary. I then parsed the data to find the data that I would use to create my data frame. Once I found the dictionary that held the weather data I used json\_normalize and pandas to create a data frame. The data frame was relatively clean but I needed to make a few changes. The first problem was that the weather column that was created contained a dictionary with additional data. I took that dictionary and created a separate data frame. Then I removed the old weather column and concatenated the two data frames to include the new weather data. Next I noticed that the API returns a None type for the rain column when it does not predict rain. I preferred that the column showed 0 inches of rain rather than the NaN so I made that change. Lastly, the dt\_txt column uses date time while the dt column uses unix. These two columns are recording different things. Dt contains the time of data forecasted while dt\_txt contains the time of calculation. I used the datatime library to change the unix time to date time so that the two were in the same format.