In this project tweeter data was analyzed to come up with inferences from the data. Standard libraries like matplotlib, numpy, pandas, seaborn, re were imported and used. The wrangling process comprises mainly of three important steps being:

1) Gathering- Feeding relevant data into data frames
2) Assessing- Studying data in order to understand what kind of work needs to be done to improve the data. Concerned with improving the quality and tidiness of data.
3) Cleaning- Steps taken to remove the quality and tidiness shortcomings found during the assessing phase.

Gathering Phase- In gathering phase data was fed from three different sources. Firstly, it was fed from a twitter archive file. In the second case data was fed from prediction denoting tsv file. In the third case data was filled through interaction with Twitter Api.

Assessing Phase- In this phase the three formed data frames were analyzed to find problems that needed to be solved. During this phase it was found out that several columns had data-types that were not desirable. Furthermore, it was found out that the columns containing ratings were not giving proper information. In some cases, the extraction from the text associated which tweet was not correct and in other cases the conversion of float to int was creating the problem. Similarly, another problem that in many cases all the stages mentioned had null values thus needed to be dropped. All the work related to finding out the main shortcomings of the data sets is what comprises this step

Cleaning Phase- In this phase steps were carried out to deal with issues identified during the assessing phase. Each task inn cleaning was separately separated into Define, Code, Test segments in order to support better readability. The problems identified in the assess phase were clearly considered and tackled.

Once theses three steps were completed the data frame is written to a csv file and saved. Also three questions involving data analytics were identified so that they could be answered using possible powerful visualization.