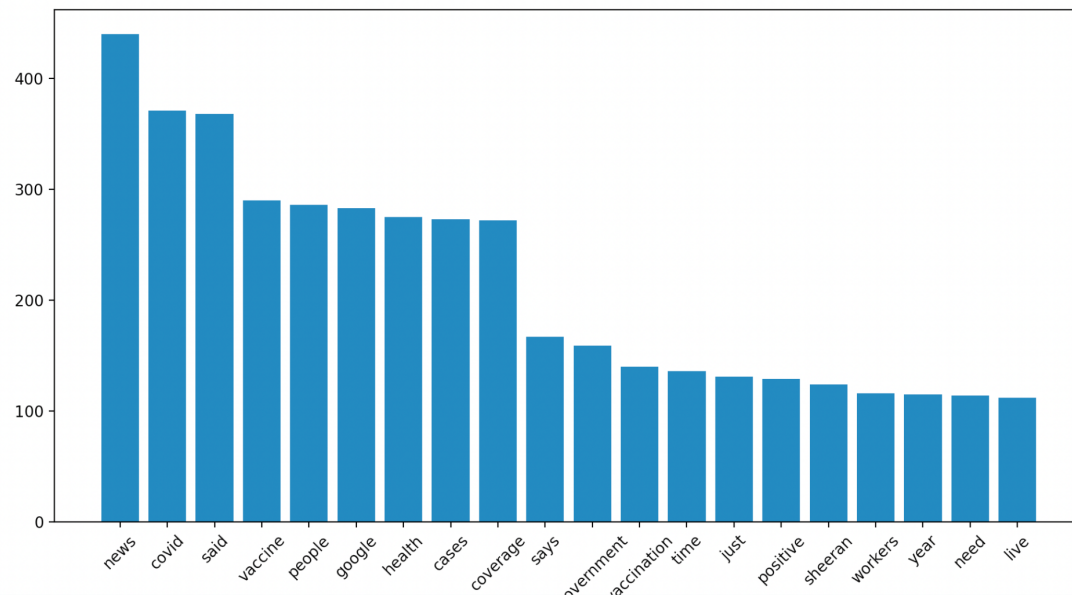


Ex08

1) 20 Most common words in all articles



```
{'news': 440, 'covid': 371, 'said': 368, 'vaccine': 290, 'people': 286, 'google': 283, 'health': 275, 'cases': 273, 'coverage': 272, 'says': 167, 'government': 159, 'vaccination': 140, 'time': 136, 'just': 131, 'positive': 129, 'sheeran': 124, 'workers': 116, 'year': 115, 'need': 114, 'live': 112}
```

2) Percentage of articles related to COVID-19:

Percent of articles relate to COVID-19: 54.23% (417/769)

3) Sentiment Analysis

The following is the distribution of the sentiment for all of the articles -

--- It is positive for 16.4%

--- It is negative for 8.3%

--- It is neutral for 75.3%

The following is the distribution of the sentiment for non COVID-19 related articles -

--- It is positive for 17.7%

--- It is negative for 8.1%

--- It is neutral for 74.2%

4) Word Clouds

Word Cloud for all Articles



Word Cloud for non COVID-19 Related Articles

