M4A_Project
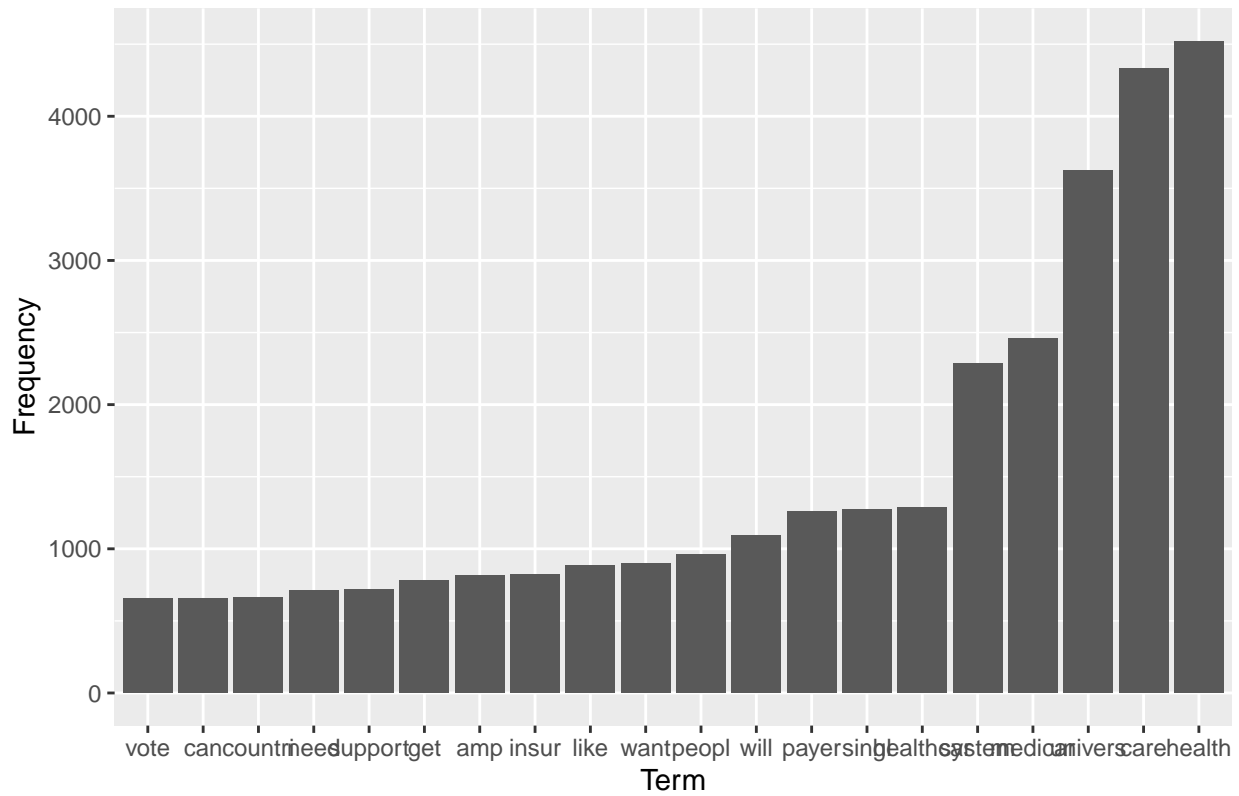
Ross Pingatore
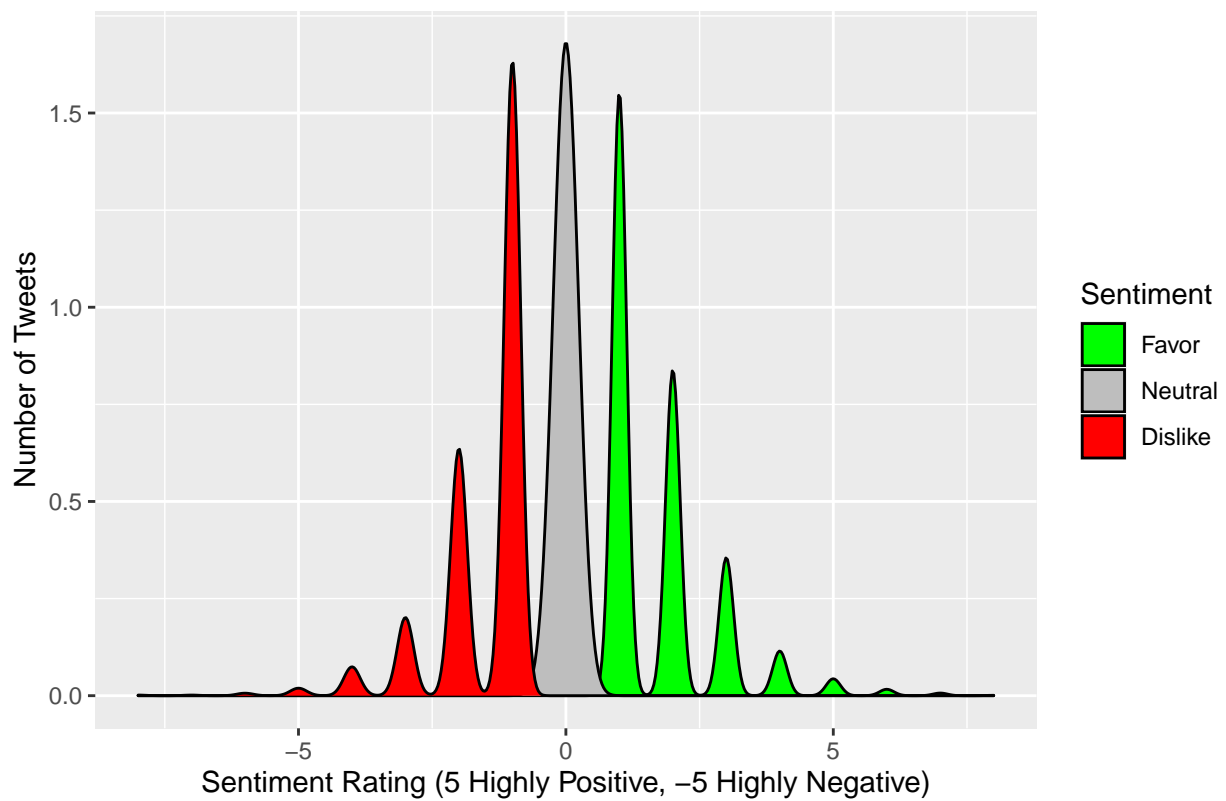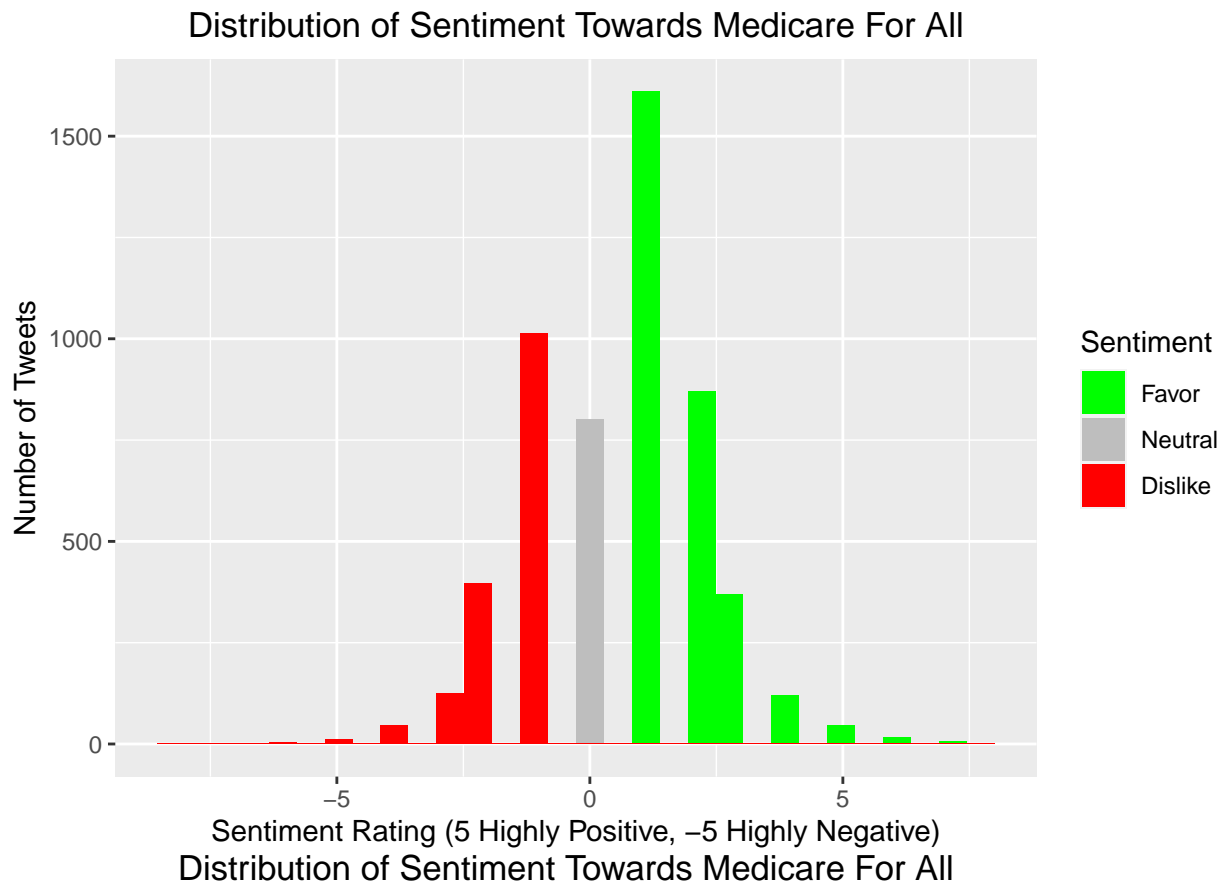
10/30/2020

```
## [1] 22077    19
```

```
## [1] 7224    19
```

```
##                    word freq
## health          health 4522
## care              care 4331
## univers        univers 3626
## medicar        medicar 2456
## system          system 2287
## healthcar    healthcar 1285
## singl            singl 1274
## payer            payer 1260
## will              will 1089
## peopl            peopl  962
## want              want  900
## like              like  883
## insur            insur  824
## amp                amp  816
## get                get  779
## support        support  719
## need              need  711
## countri        countri  661
## can                can  654
## vote              vote  653
```

Most Frequent Terms Within Tweets Relating to Medicare For All


```
## $health
## univers
##    0.68
##
## $care
## univers
##    0.66
##
## $system
##     payer     singl singlepay healthcar
##      0.59      0.59      0.38      0.28
##
## $biden
##  joe
## 0.31
##
## $trump
## despair  stake"
##    0.49    0.35
```

Distribution of Sentiment Towards Medicare For All

Distribution of Sentiment Towards Medicare For All

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## -8.0000 -1.0000  1.0000  0.5247  2.0000  8.0000
```

```r
df_sentiment%>%
  filter(total > 0)%>%
  nrow() -> favor

df_sentiment%>%
  filter(total < 0)%>%
  nrow() -> dislike

df_sentiment%>%
  filter(total == 0)%>%
  nrow() -> neutral

number_of_tweets <- data_frame(Favor = favor, Neutral = neutral, Dislike = dislike)

total <- favor + dislike + neutral
# Percentages
percentages <- data_frame(Favor = favor / total, Neutral = neutral / total, Dislike = dislike / total)

number_of_tweets
```

```
## # A tibble: 1 x 3
##   Favor Neutral Dislike
##   <int>   <int>   <int>
## 1  3035     800    1597
```

```r
percentages
```

```
##      Favor  Neutral  Dislike
## 1 55.87261 14.72754 29.39985
```

```r
library(plotrix)
slices <- c(percentages$Favor, percentages$Neutral, percentages$Dislike)
lab <- names(percentages)

paste(round(percentages$Favor),'%','Favor') -> fv
paste(round(percentages$Neutral),'%','Neutral') -> nt
paste(round(percentages$Dislike),'%','Dislike') -> dl


pie3D(slices, labels = c(fv,nt,dl), col = c("green", "grey","red"),  main = "Attitudes Towards Medicare
```

Attitudes Towards Medicare For All Based on Tweets

56 % Favor

15 % Neutral   29 % Dislike