# Trump Tweet Analysis

*Root*

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# An Analysis of the tweets by President Donald Trump

This is an analysis on American President Donald Trump's tweets after he took office on January 20, 2017. Everyone knows that Trump is extremely active in twitter expressing his thoughts through his tweets.

## Include the required libraries

Include tm and wordcloud libraries required for creating the wordcloud of tweets. Include stringr for replacing regular expressions and cleaning up the data.Include twitteR prackage to analyse and fetch tweets

```
require(tm)
```

```
## Loading required package: tm
```

```
## Loading required package: NLP
```

```
require(wordcloud)
```

```
## Loading required package: wordcloud
```

```
## Loading required package: RColorBrewer
```

```
library(stringr)
library(twitteR)
```

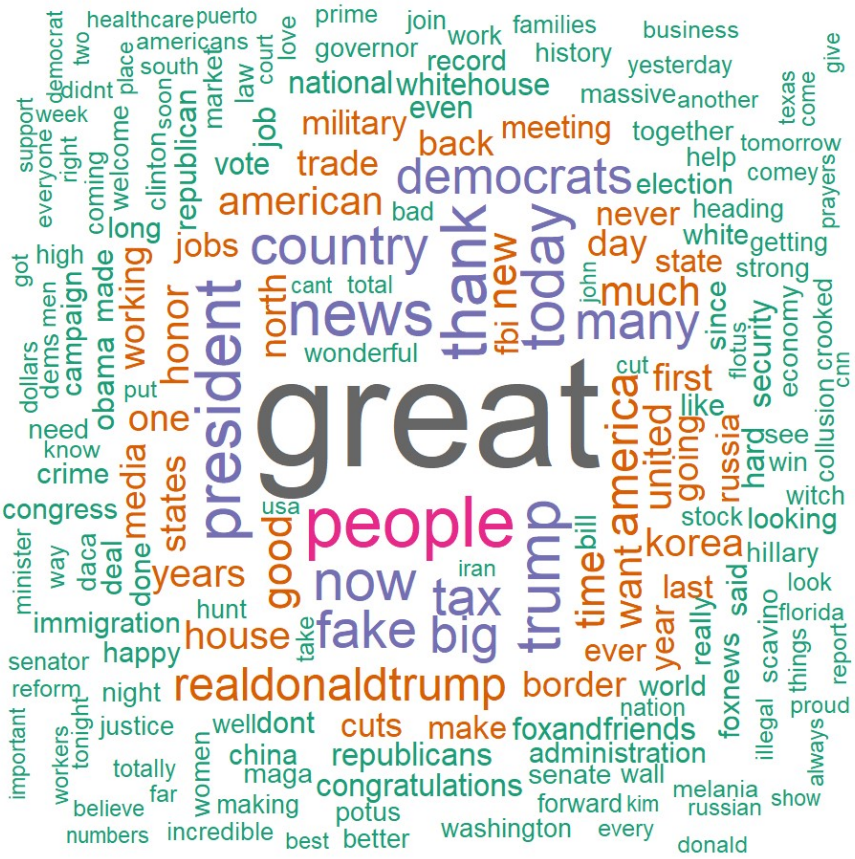
# Fetch the tweets and clean them up

```
  realDonaldTrump = userTimeline("realDonaldTrump", n = 3200, includeRts = TRUE)
  Trump_tweets = twListToDF(realDonaldTrump)
  Trump_tweets <- subset(Trump_tweets, created >= as.POSIXct('2017-01-20 00:00:00') )
  print(nrow(Trump_tweets))
                         #& created < as.POSIXct('2016-11-09 00:00:00'))
  Trump_tweets$date = as.Date(Trump_tweets$created, format = "%Y-%m-%d")
  knitr::kable(head(Trump_tweets[, c("text", "created", "id")], 3))
  Trump_tweets$text <- sapply(Trump_tweets$text,function(row) iconv(row, "latin1", "AS
CII", sub=""))
  trump_data <- Corpus(VectorSource(Trump_tweets$text))
  trump_data <- tm_map(trump_data, stripWhitespace)
  trump_data <- tm_map(trump_data, removeNumbers)
  trump_data <- tm_map(trump_data, removePunctuation)
  trump_data <- tm_map(trump_data, tolower)
  library(stringr)
 # inspect(trump_data)

  trump_data <-
    tm_map(trump_data, removeWords, stopwords("english"))
  trump_data <-
    tm_map(
      trump_data,
      removeWords,
      c(
        "will",
        "just",
        "and",
        "the",
        "our",
        "this",
        "that",
        "for",
        "are",
        "also",
        "more",
        "has",
        "must",
        "have",
        "can",
        "get",
        "amp"
      )
    )
```

# Plot wordcloud based on the tweets

```
wordcloud(
  trump_data,
  scale = c(5, 0.5),
  max.words = 200,
  random.order = FALSE,
  rot.per = 0.35,
  use.r.layout = FALSE,
  colors = brewer.pal(8, "Dark2")
  )
```




Wordcloud shows his Presidential campaign slogan(MAGA), is used as often as he can in his tweets as well. The interesting thing to observe here is that he has not restrained himself from expressing his opinions on the “Fake News” as often as he can. He surely loves the Fox News and their show “Fox and Friends” as these words are appearing more frequent in his tweets.

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.