Loading Required Packages and Librarries.

```
#install.packages('tm',repos = "http://cran.us.r-project.org")
#install.packages('twitteR',repos = "http://cran.us.r-project.org")
#install.packages('wordcloud',repos = "http://cran.us.r-project.org")
#install.packages('RColorBrewer',repos = "http://cran.us.r-project.org")
#install.packages('e1071',repos = "http://cran.us.r-project.org")
#install.packages('class',repos = "http://cran.us.r-project.org")


library(tm)
library(twitteR)
library(wordcloud)
library(e1071)
library(class)
```

Set Twitter Access tokens

```
ckey<-"AN9nCziLy3kYgMqbLnoQYuvpU"
skey<-"DbbDPSKMsTGk7OI74QTTpacNGO4L9D1wslqgCRMJLVxeIMEAPt"
token<-"90484454-3t8SxoOJOpLsvPOEF8tUbtSoGvBvfJFIw1DxOviHO"
stoken<-"PRimORnifHnROWqdtamg4yH2JJxICOxolnH25a37nUpJ3"
```

COnnect to twitter

```
setup_twitter_oauth(ckey,skey,token,stoken)
```

```
## [1] "Using direct authentication"
```

Get the tweets.

```
tweets <- searchTwitter("data+Science", n=5000, lang="en")
text <- sapply(tweets, function(x) x$getText())
```

Remove emotions and create corpus

```
text <- iconv(text, 'UTF-8', 'ASCII')
corpus <- Corpus(VectorSource(text))
```

Get the stop words for world cloud.

```
term.doc.matrix <- TermDocumentMatrix(corpus,
                                      control = list(removePunctuation = TRUE,
                                                     stopwords = c("data","science","https", stopwords(
                                                     removeNumbers = TRUE,tolower = TRUE))
```

Get the words in matrix form

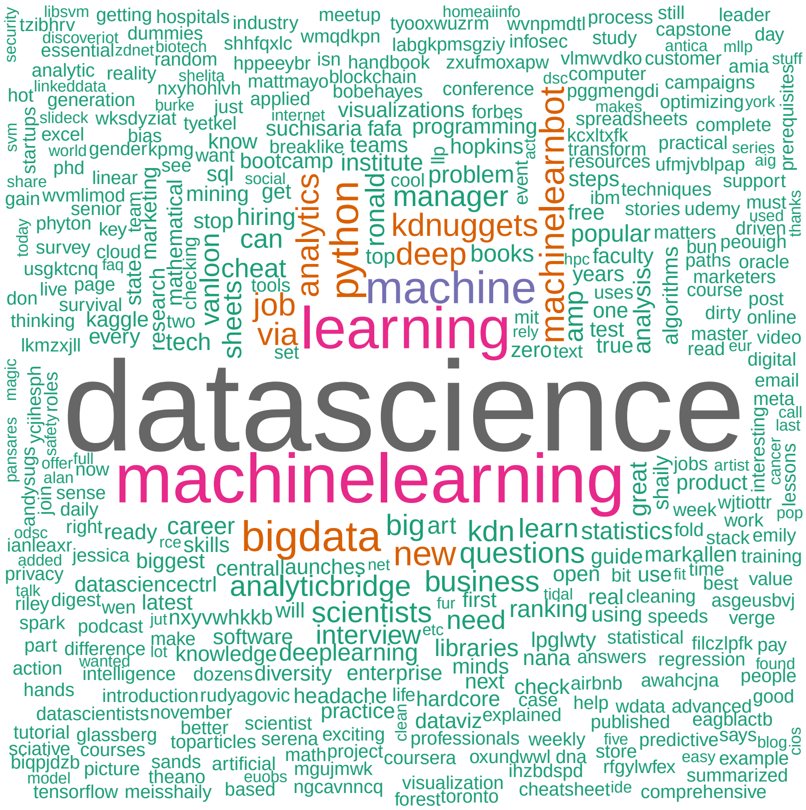
```
term.doc.matrix <- as.matrix(term.doc.matrix)
```

Sorting words in decreasing order.

```
word.freqs <- sort(rowSums(term.doc.matrix), decreasing=TRUE)
dm <- data.frame(word=names(word.freqs), freq=word.freqs)
```

Create word cloud.

```
wordcloud(dm$word, dm$freq, random.order=FALSE, colors=brewer.pal(8, "Dark2"))
```


datascience
machinelearning
learning
machine
bigdata
python
analytics
machinelearnbot
kdnuggets
deep
job
via
new