Twitter data mining through R

install.package("twitteR")

require(twitteR)

install.package(“RCurl")

require(RCurl)

consumer\_key <- ' '

consumer\_secret <- ' '

access\_token <- ''

access\_secret <- ''

setup\_twitter\_oauth(consumer\_key, consumer\_secret, access\_token, access\_secret)

india\_tweets <- searchTwitter("INDIA" ,n=10 ,lang ="en")

india\_tweets

str(india\_tweets)

india\_tweets[1:3]

install.package("tm")

require(tm)

install.package("wordcloud ")

require(wordcloud)

ransomware <-searchTwitter('ransomware+malware', lang="en", n=10, resultType="recent")

class(ransomware)

ransomware\_text <- sapply(ransomware, function(x) x$getText())

str(ransomware\_text)

ransomware\_corpus <- Corpus(VectorSource(ransomware\_text))

ransomware\_corpus

ransomware\_clean <- tm\_map(ransomware\_corpus ,removePunctuation)

ransomware\_clean <- tm\_map(ransomware\_clean ,content\_transformer(tolower))

ransomware\_clean <- tm\_map(ransomware\_clean ,removeWords, stopwords("english"))

ransomware\_clean <- tm\_map(ransomware\_clean ,removeNumbers)

ransomware\_clean <- tm\_map(ransomware\_clean ,stripWhitespace)

ransomware\_clean <- tm\_map(ransomware\_clean ,removeWords, c("ransomware" , " malware"))

wordcloud(ransomware\_clean)

wordcloud(ransomware\_clean, random.order=F , max.words=40, colors=rainbow(50))