Twitter Sentimental Analysis In R

**Code For Sentimental Analysis In R**

# Sentimental analysis of a CSV file containing tweets regarding Virat Kohli

# Importing required Libraries

# syuzhet library is used for sentiment extraction or getting the sentiment scores

library(syuzhet)

# SentimentAnalysis library is used for Sentimental analysis

library(SentimentAnalysis)

# ggplot2 is used for plotting the final plot of the sentimental analysis

library(ggplot2)

#Importing Csv file in R which contains all the tweets

tweets<-read.csv("C:\\Users\\rawat\\Documents\\4 SEMESTER\\R for Datascience\\Assigment\\Assignment 1\\Tweets.csv")

#Data Cleaning

#Removing corrupted data/Symbols

clean\_tx1 = gsub("(RT|via)((?:\\b\\w\*@\\w+)+)","",tweets)

clean\_tx2 = gsub("http[^[:blank:]]+","",clean\_tx1)

clean\_tx3 = gsub("@\\w+","",clean\_tx2)

clean\_tx4 = gsub("[[:punct:]]","",clean\_tx3)

clean\_tx5 = gsub("^[[:alnum:]]","",clean\_tx4)

#Fetches the sentiments related to tweets

sentiment <- get\_nrc\_sentiment(clean\_tx4)

sentimentscores <- data.frame(colSums(sentiment[,]))

names(sentimentscores) <- "Score"

#Viewing sentiments Score

View(sentimentscores)

#Combining in dataframe to plot

sentimentscores <- cbind("sent"=rownames(sentimentscores),sentimentscores)

rownames(sentimentscores) <- NULL

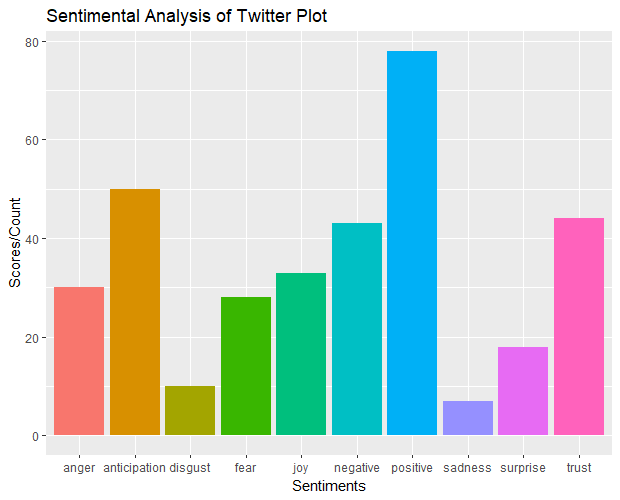
View(sentimentscores)

#Plotting Output in ggplot2

ggplot(data=sentimentscores,aes(x=sent,y=Score))+geom\_bar(aes(fill=sent),stat="identity")+

theme(legend.position = "none")+ xlab("Sentiments")+ ylab("Scores/Count") + ggtitle("Sentimental Analysis of Twitter Plot")

**Final Output(The Sentimental Score Graph):**

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