Sentiment Analysis

# Ref - <https://cran.r-project.org/web/packages/syuzhet/vignettes/syuzhet-vignette.html>

# <https://github.com/DevikaMishra-Dataturks/Twitter_Data_Analysis>

# <https://hackernoon.com/text-processing-and-sentiment-analysis-of-twitter-data-22ff5e51e14c>

if (!require(syuzhet)) {install.packages("syuzhet")}

## Loading required package: syuzhet

if (!require(ggplot2)) {install.packages("ggplot2")}

## Loading required package: ggplot2

if (!require(matrixStats)) {install.packages("matrixStats")}

## Loading required package: matrixStats

swiggy = readLines('data/swiggy.txt')  
sentiment <- get\_nrc\_sentiment((swiggy))  
sentiment\_scores <- data.frame(colMeans(sentiment[,]))  
names(sentiment\_scores) <- "Score"  
sentiment\_scores <- cbind("sentiment" = rownames(sentiment\_scores), sentiment\_scores)  
rownames(sentiment\_scores) <- NULL  
  
#plotting the sentiments with scores  
ggplot(data=sentiment\_scores, aes(x=sentiment, y=Score)) +  
 geom\_bar(aes(fill=sentiment), stat = "identity") +  
 theme(legend.position = "none")+  
 ylim(0,1.2) +  
 xlab("Sentiment Type") + ylab("Mean sentiment score") + ggtitle("Sentiments of people tweeting to Swiggy handle")

zomato = readLines('data/zomato.txt')  
sentiment <- get\_nrc\_sentiment((zomato))  
sentiment\_scores <- data.frame(colMeans(sentiment[,]))  
#sentiment\_scores <- data.frame(colSums(sentiment[,]))  
names(sentiment\_scores) <- "Score"  
sentiment\_scores <- cbind("sentiment" = rownames(sentiment\_scores), sentiment\_scores)  
rownames(sentiment\_scores) <- NULL  
  
#plotting the sentiments with scores  
ggplot(data=sentiment\_scores, aes(x=sentiment, y=Score)) +  
 geom\_bar(aes(fill=sentiment), stat = "identity") +  
 theme(legend.position = "none")+  
 ylim(0,1.2) +  
 xlab("Sentiment Type") + ylab("Mean sentiment score") + ggtitle("Sentiments of people tweeting to Zomato handle")