# NLP_Netflix_Reviews

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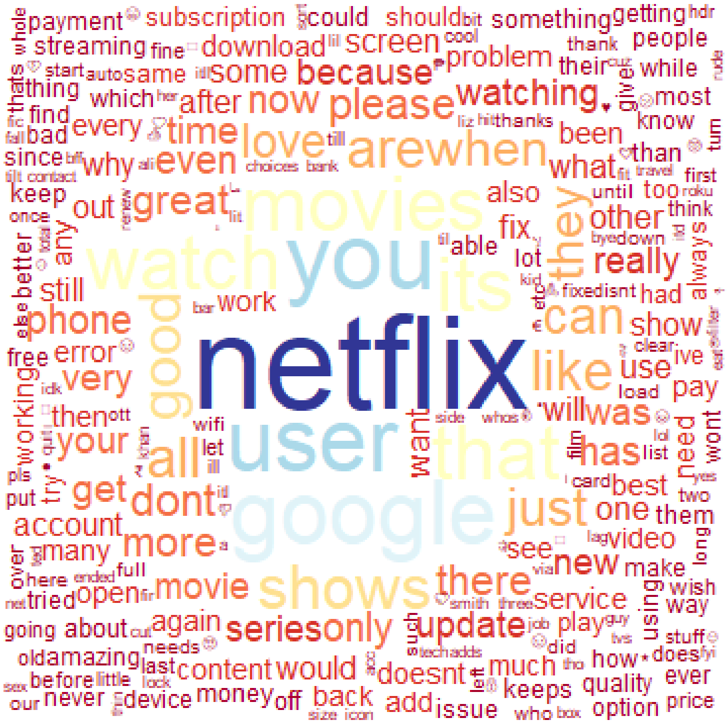
```
library(corrgram)
library(corrplot)

## corrplot 0.92 loaded

library(caTools)
library(Amelia)

## Loading required package: Rcpp

## ## 
## ## Amelia II: Multiple Imputation
## ## (Version 1.8.2, built: 2024-04-10)
## ## Copyright (C) 2005-2024 James Honaker, Gary King and Matthew Blackwell
## ## Refer to http://gking.harvard.edu/amelia/ for more information
## ##

library(ggplot2)
library(dplyr)

## 
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
## 
##     filter, lag

## The following objects are masked from 'package:base':
## 
##     intersect, setdiff, setequal, union

library(rpart)
library(rpart.plot)
library(randomForest)

## randomForest 4.7-1.1

## Type rfNews() to see new features/changes/bug fixes.

## 
## Attaching package: 'randomForest'
## The following object is masked from 'package:dplyr':
##
##     combine

## The following object is masked from 'package:ggplot2':
##
##     margin

library(ISLR)
library(e1071)
library(cluster)
library(tm)

## Loading required package: NLP

##
## Attaching package: 'NLP'

## The following object is masked from 'package:ggplot2':
##
##     annotate

library(twitteR)

##
## Attaching package: 'twitteR'

## The following objects are masked from 'package:dplyr':
##
##     id, location

library(wordcloud)

## Loading required package: RColorBrewer

library(RColorBrewer)

#### getting the data into text

netflix <- read.csv('netflix_reviews.csv')

#### text mining

docs <- Corpus(VectorSource(netflix))

#### using TermDocumentMatrix to do manipulation

doc.matrix <- TermDocumentMatrix(docs,control=list(removePunctuation = TRUE,

stopwords=c('the','The','and','build','but','app','not','have','cant','with',
'for','this','from'),
                                                   removeNumbers = TRUE,
                                                       tolower = TRUE))


#### make it a matrix

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

#### word count

word.freq <- sort(rowSums(doc.matrix),decreasing = TRUE)

df <- data.frame(word=names(word.freq),freq = word.freq)

#### wordcloud NLP

wordcloud(df$word,df$freq,random.order = F, colors = brewer.pal(11,
'RdYlBu'))
```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