RWorksheets#6 (Group 3)

2023-12-21

 $\# Group \ 3 \ \# Members: \ \# Laurence Aguas \ \# Paula Salvador \ \# Dianah Marie Canonicato \ \# Ann Margareth Camayodo$

```
The Shawhank Redemption #1.
```

```
##
    [1] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
##
    [7] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
##
    [13] "Positive" "Positive" "Positive" "Positive" "Positive"
   [19] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
   [25] "Positive" "Positive" "Positive" "Positive" "Positive"
##
    [31] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
   [37] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
   [43] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
##
    [49] "Positive" "Positive" "Positive" "Positive" "Positive"
##
##
    [55] "Positive" "Positive" "Positive" "Positive" "Positive"
   [61] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
##
   [67] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
    [73] "Positive" "Positive" "Positive" "Positive" "Positive"
##
##
   [79] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
  [85] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
   [91] "Positive" "Positive" "Positive" "Positive" "Positive"
##
   [97] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
  [103] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
  [109] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
  [115] "Positive" "Positive" "Positive" "Positive" "Positive"
## [121] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
## [127] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
## [133] "Positive" "Positive" "Positive" "Positive" "Positive"
## [139] "Positive" "Negative" "Positive" "Positive" "Positive" "Positive"
## [145] "Positive" "Positive" "Positive" "Negative" "Negative" "Positive"
```

```
## [151] "Negative" "Positive" "Positive" "Positive" "Positive" "Positive"
## [157] "Positive" "Positive" "Positive" "Positive" "Positive"
## [163] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
## [169] "Positive" "Positive" "Positive" "Negative" "Negative"
## [175] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
## [181] "Positive" "Positive" "Positive" "Negative" "Positive" "Positive"
## [187] "Positive" "Positive" "Negative" "Positive" "Positive" "Positive"
## [193] "Positive" "Positive" "Positive" "Positive" "Positive"
## [199] "Positive" "Negative" "Positive" "Positive" "Positive" "Positive"
## [205] "Positive" "Average" "Positive" "Positive" "Positive" "Positive"
## [211] "Positive" "Positive" "Average" "Positive" "Positive" "Negative"
## [217] "Negative" "Positive" "Positive" "Positive" "Positive" "Positive"
## [223] "Positive" "Positive" "Positive" "Negative" "Positive" "Positive"
## [229] "Positive" "Positive" "Positive" "Positive" "Positive"
## [235] "Positive" "Positive" "Average" "Average" "Positive" "Positive"
## [241] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
## [247] "Positive" "Positive" "Positive" "Positive" "Positive"
## [253] "Positive" "Positive" "Positive" "Positive" "Positive"
## [259] "Positive" "Positive" "Positive" "Positive" "Positive"
## [265] "Positive" "Positive" "Positive" "Positive" "Positive"
## [271] "Positive" "Positive" "Positive" "Positive" "Positive"
## [277] "Positive" "Positive" "Positive" "Positive" "Positive"
## [283] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
## [289] "Positive" "Positive" "Positive" "Positive" "Positive"
## [295] "Average" "Positive" "Positive" "Positive" "Positive"
## [301] "Positive" "Positive" "Positive" "Positive" "Positive"
## [307] "Positive" "Positive" "Positive" "Negative" "Positive" "Positive"
## [313] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
## [319] "Positive" "Positive" "Positive" "Positive" "Positive" "Positive"
# Set encoding to UTF-8
Shawhank$TextReviews <- iconv(Shawhank$TextReviews, to = "UTF-8", sub = "byte")
# Corpus for text analysis
ShawhankCorpus <- Corpus(VectorSource(Shawhank$TextReviews))</pre>
# Corpus for text analysis
ShawhankCorpus <- Corpus(VectorSource(Shawhank$TextReviews))</pre>
# Remove English stop words
ShawhankCorpus <- tm_map(ShawhankCorpus, content_transformer(tolower))
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, content_transformer(tolower)):
## transformation drops documents
ShawhankCorpus <- tm_map(ShawhankCorpus, removePunctuation)</pre>
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, removePunctuation):
## transformation drops documents
ShawhankCorpus <- tm_map(ShawhankCorpus, removeNumbers)</pre>
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, removeNumbers): transformation
## drops documents
```

```
ShawhankCorpus <- tm_map(ShawhankCorpus, removeWords, stopwords("en"))
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, removeWords, stopwords("en")):
## transformation drops documents
ShawhankCorpus <- tm_map(ShawhankCorpus, stripWhitespace)
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, stripWhitespace): transformation
## drops documents
# Document term matrix
Shawhank DTM <- DocumentTermMatrix(ShawhankCorpus)</pre>
#Generate a Word Cloud
install.packages("wordcloud")
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)
library(wordcloud)
ShawhankWordCloud <- wordcloud(words = names(sort(colSums(as.matrix(Shawhank DTM)))),
                                                                                                                                                                             freq = sort(colSums(as.matrix(Shawhank_DTM))),
                                                                                                                                                                             min.freq = 1,
                                                                                                                                                                             scale = c(3, 0.5),
                                                                                                                                                                             max.words = 200, # Limit the number of words displayed
                                                                                                                                                                             random.order = FALSE, # Display words in decreasing frequency
                                                                                                                                                                             colors = brewer.pal(8, "Dark2"))
                                                                                                        everyone murder seems prisoners audience
                               quite of convicted inmates performances different inmates performances different performance of every performance way of isnt Cast of inmates performances different friendship actors nowsay feel way isnt Cast of inmates performances different friendship actors nowsay feel way isnt Cast of inmates performances different inmates performances
                                                                                                                                    onowsay feel knowexcellent
                                                                                                                                 e isnt cast seen seen shope shope two
                                                                                                                                                                                                              darabont
                     anyone
                                                                                                                                                                                                                                              greatest
                            acting EcanS
watch
times wellance
                                                                                                                                                                                                                                think
world
                                                                                                                                                                                                                   māny
                                                                                                                                                                                                                                                            thats
guard
thats
mavbe
             fact plot years like
                                                                                                                                                                                                                               think of guards world of building See wife in the second of the second o
   might cant dont just
                                                                                                                                                                                                                                  find love
                                                                                                                                                                                                                                really
    gets true great lot
simple almost

    best
    contact
    best
    contact
    best
    contact
    best
    contact
    best
    contact
    contact

                                                                                                                                                                                                                                get things
        brooks 5
                                                                                                                                                                                                                              never amazing g
          theres & Sman time
                                                                                                                                                                                                              Φ
                                                                                                                                                                                                                              top truly short
                                                                                                                                                                                                                            far though message
                            iames scene yetred
                       director didnt also men
                                                                                                                                         endwill first
                                                                                                                                                                                                             0
                                             may much robbins movies
                                                                                                                                                                                                                           lover always others
                                           andys perfect always our friends stephen people even betterfreedom work reason
                                                     believe goingreal warden character work feasor however without something another whitmore writing powerfulplayed innocent cinematography anything personal
                                           hayworth
                                                                                                                  probably
```

ShawhankWordCloud

NULL