Individual\_assignment\_movie\_sentiment\_cloud.R

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2020-02-11

library(magrittr)

## Warning: package 'magrittr' was built under R version 3.6.2

library(rvest)

## Warning: package 'rvest' was built under R version 3.6.2

## Loading required package: xml2

## Warning: package 'xml2' was built under R version 3.6.2

library(dplyr)

## Warning: package 'dplyr' was built under R version 3.6.2

##   
## 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(tidyverse)

## Warning: package 'tidyverse' was built under R version 3.6.2

## -- Attaching packages ------------------------------------------ tidyverse 1.3.0 --

## v ggplot2 3.2.1 v purrr 0.3.3  
## v tibble 2.1.3 v stringr 1.4.0  
## v tidyr 1.0.0 v forcats 0.4.0  
## v readr 1.3.1

## Warning: package 'forcats' was built under R version 3.6.2

## -- Conflicts --------------------------------------------- tidyverse\_conflicts() --  
## x tidyr::extract() masks magrittr::extract()  
## x dplyr::filter() masks stats::filter()  
## x readr::guess\_encoding() masks rvest::guess\_encoding()  
## x dplyr::lag() masks stats::lag()  
## x purrr::pluck() masks rvest::pluck()  
## x purrr::set\_names() masks magrittr::set\_names()

library(tidytext)

## Warning: package 'tidytext' was built under R version 3.6.2

library(stringr)  
library(ggplot2)  
library(reshape2)

##   
## Attaching package: 'reshape2'

## The following object is masked from 'package:tidyr':  
##   
## smiths

library(wordcloud)

## Warning: package 'wordcloud' was built under R version 3.6.2

## Loading required package: RColorBrewer

library(tidyverse)  
library(tidyr)  
library(wordcloud)  
  
  
  
Joker <- xml2::read\_html("https://www.imdb.com/title/tt7286456/reviews?ref\_=tt\_urv")   
Joker\_review <- Joker %>%  
 html\_nodes('.text') %>%  
 html\_text()  
#View(Joker\_review)   
  
The\_Dark\_Knight <-xml2::read\_html("https://www.imdb.com/title/tt0468569/reviews?ref\_=tt\_urv")  
The\_Dark\_Knight\_review <- The\_Dark\_Knight %>%  
 html\_nodes('.text') %>%  
 html\_text()  
#View(The\_Dark\_Knight\_review)  
  
df\_Joker <- data\_frame(id=1:25, text=Joker\_review)

## Warning: `data\_frame()` is deprecated, use `tibble()`.  
## This warning is displayed once per session.

#View(df\_Joker)  
  
df\_The\_Dark\_Knight <- data\_frame(id=1:25, text= The\_Dark\_Knight\_review)  
#View(df\_The\_Dark\_Knight)  
  
cust\_stop <- data\_frame(  
 word=c("movie","film","movies"),  
 lexicon=rep("custom",each=3)   
)  
  
afinn <- get\_sentiments("afinn")  
nrc <- get\_sentiments("nrc")  
bing <- get\_sentiments("bing")  
  
# Joker\_review\_frequencies <- df\_Joker %>%  
# unnest\_tokens(word, text)%>%  
# anti\_join(stop\_words) %>%  
# anti\_join(cust\_stop) %>%  
# inner\_join(get\_sentiments("nrc")) %>% #pizza flavor word cloud  
# count(word, sentiment, sort=TRUE) %>%  
# acast(word ~sentiment, value.var="n", fill=0) %>%  
# comparison.cloud(colors = c("black", "red","pink","yellow","orange","grey","blue","green"),  
# max.words=100,  
# scale = c(0.8,0.8),  
# fixed.asp=TRUE, #True将长宽比例固定  
# title.size=1  
# )  
  
  
The\_Dark\_Knight\_review\_frequencies <- df\_The\_Dark\_Knight %>%  
 unnest\_tokens(word, text)%>%  
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