# Pro Data Scientists - Applied Predictive Modelling Project

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# Pro Data Scientists - Applied Predictive Modelling Project

### Team members

**Leon Harper (21385662)**

**Thomas Newton (21365654)**

**Michal Jedruszczak (21440496)** These are the team members for the group project.

# Initial set-up

## Libraries to use

```
r = getOption("repos")
r["CRAN"] = "http://cran.us.r-project.org"
options(repos = r)

install.packages("dplyr")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'dplyr' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'dplyr'
```

```
## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\dplyr\libs\x64\dplyr.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\dplyr\libs\x64\dplyr.dll:
## Permission denied

## Warning: restored 'dplyr'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```
install.packages("ggplot2")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'ggplot2' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```
install.packages("purrr")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'purrr' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'purrr'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\purrr\libs\x64\purrr.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\purrr\libs\x64\purrr.dll:
## Permission denied

## Warning: restored 'purrr'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```
install.packages("stopwords")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'stopwords' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("textstem")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'textstem' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("rvest")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'rvest' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("ROSE")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'ROSE' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("tm")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'tm' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'tm'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\tm\libs\x64\tm.dll to
## C:\Users\david\AppData\Local\R\win-library\4.2\tm\libs\x64\tm.dll: Permission
## denied

## Warning: restored 'tm'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("caret")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'caret' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'caret'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\caret\libs\x64\caret.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\caret\libs\x64\caret.dll:
## Permission denied

## Warning: restored 'caret'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("kernlab")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'kernlab' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'kernlab'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\kernlab\libs\x64\kernlab.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\kernlab\libs\x64\kernlab.dll:
## Permission denied

## Warning: restored 'kernlab'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("RSNNS")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'RSNNS' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'RSNNS'
```

```
## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\RSNNS\libs\x64\RSNNS.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\RSNNS\libs\x64\RSNNS.dll:
## Permission denied

## Warning: restored 'RSNNS'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```
install.packages("randomForest")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'randomForest' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'randomForest'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\randomForest\libs\x64\randomForest.dll
## to
## C:\Users\david\AppData\Local\R\win-library\4.2\randomForest\libs\x64\randomForest.dll:
## Permission denied

## Warning: restored 'randomForest'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```
install.packages("pROC")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'pROC' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'pROC'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\pROC\libs\x64\pROC.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\pROC\libs\x64\pROC.dll:
## Permission denied

## Warning: restored 'pROC'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("tictoc")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'tictoc' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("wordcloud")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'wordcloud' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'wordcloud'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\wordcloud\libs\x64\wordcloud.dll
## to
## C:\Users\david\AppData\Local\R\win-library\4.2\wordcloud\libs\x64\wordcloud.dll:
## Permission denied

## Warning: restored 'wordcloud'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("ggraph")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'ggraph' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'ggraph'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\ggraph\libs\x64\ggraph.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\ggraph\libs\x64\ggraph.dll:
## Permission denied

## Warning: restored 'ggraph'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("igraph")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'igraph' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'igraph'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\david\AppData\Local\R\win-library\4.2\00LOCK\igraph\libs\x64\igraph.dll
## to C:\Users\david\AppData\Local\R\win-library\4.2\igraph\libs\x64\igraph.dll:
## Permission denied

## Warning: restored 'igraph'

##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("tidytext")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'tidytext' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
install.packages("tidyverse")
```

```
## Installing package into 'C:/Users/david/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)

## package 'tidyverse' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\david\AppData\Local\Temp\Rtmp4MtG2j\downloaded_packages
```

```r
cat("\014")
```

Run the above block to install the packages necessary to run the code in the project. "cat("\014)" is used to clear the console output for presentation purposes.

```
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(ggplot2)
library(xml2)
library(purrr)
library(stringr)
library(stopwords)
library(textstem)
```

```
## Loading required package: koRpus.lang.en

## Loading required package: koRpus

## Loading required package: sylly

## For information on available language packages for 'koRpus', run
##
##   available.koRpus.lang()
##
## and see ?install.koRpus.lang()
```

```
library(rvest)
library(ROSE)
```

```
## Loaded ROSE 0.0-4
```

```
library(tm)
```

```
## Loading required package: NLP

##
## Attaching package: 'NLP'

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

```
##
## Attaching package: 'tm'

## The following object is masked from 'package:koRpus':
##
##     readTagged

## The following object is masked from 'package:stopwords':
##
##     stopwords
```

```
library(caret)
```

```
## Loading required package: lattice

##
## Attaching package: 'caret'

## The following object is masked from 'package:purrr':
##
##     lift
```

```
library(kernlab)
```

```
##
## Attaching package: 'kernlab'

## The following object is masked from 'package:purrr':
##
##     cross

## The following object is masked from 'package:ggplot2':
##
##     alpha
```

```
library(RSNNS)
```

```
## Loading required package: Rcpp

##
## Attaching package: 'RSNNS'

## The following objects are masked from 'package:caret':
##
##     confusionMatrix, train
```

```
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:ggplot2':
##
##     margin

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

```
library(pROC)
```

```
## Type 'citation("pROC")' for a citation.

##
## Attaching package: 'pROC'

## The following objects are masked from 'package:stats':
##
##     cov, smooth, var
```

```
library(tictoc)
```

```
##
## Attaching package: 'tictoc'

## The following object is masked from 'package:kernlab':
##
##     size
```

```
library(wordcloud)
```

```
## Loading required package: RColorBrewer
```

```
library(ggraph)
library(tidytext)
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --

## v tibble  3.1.8     v readr   2.1.3
## v tidyr   1.2.1     v forcats 0.5.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x kernlab::alpha()        masks ggplot2::alpha()
## x NLP::annotate()         masks ggplot2::annotate()
## x randomForest::combine() masks dplyr::combine()
```

```
## x kernlab::cross()        masks purrr::cross()
## x dplyr::filter()         masks stats::filter()
## x readr::guess_encoding() masks rvest::guess_encoding()
## x dplyr::lag()            masks stats::lag()
## x caret::lift()           masks purrr::lift()
## x randomForest::margin()  masks ggplot2::margin()
## x readr::tokenize()       masks koRpus::tokenize()
```

```
library(igraph)
```

```
##
## Attaching package: 'igraph'
##
## The following object is masked from 'package:tidyr':
##
##     crossing
##
## The following object is masked from 'package:tibble':
##
##     as_data_frame
##
## The following objects are masked from 'package:purrr':
##
##     compose, simplify
##
## The following objects are masked from 'package:dplyr':
##
##     as_data_frame, groups, union
##
## The following objects are masked from 'package:stats':
##
##     decompose, spectrum
##
## The following object is masked from 'package:base':
##
##     union
```

```
cat("\014")
```

Run the above code block to import the required libraries.

# World of Warcraft Cyberbullying Dataset analysis

## Step 1: Problem statement

World of Warcraft is a popular MMORPG (Massively multiplayer online role-playing game) video game with millions of user every month. Due to having this many players there is bound to be some cyberbullying/toxic players included in those millions of players, World of Warcraft however is especially toxic and is often ranked as one of the most toxic gaming community's today. In a survey by ADL (Anti-Defamation League) it was found 66% of adults ages 18-45 have been harassed/bullied in World of Warcraft in 2021 (Hate is No Game: Harassment and Positive Social Experiences in Online Games 2021).

The objective of this project is to create a model that will be able to detect cyberbullying/toxicity. By using the World of Warcraft dataset provided to us it will allow the model to have reference for comments deemed as bullying.

This would be a classification model that when give a comment/statement would decided whether it is bullying or not bullying, it will be able to do this by detecting certain words and phrases.

Currently most video games have an option to filter chat, however this only censors certain words/phrases. Our model will be able to detect strings of words rather than just certain ones.

## Step 2: Importing data

```
wow_posts_df <- read.csv("Data/posts_wow.csv")
wow_annotations_df <- read.csv("Data/annotations_wow.csv")

lol_posts_df <- read.csv("Data/posts_lol.csv")
```

```
## Warning in scan(file = file, what = what, sep = sep, quote = quote, dec = dec, :
## EOF within quoted string
```

```
lol_annotations_df <- read.csv("Data/annotations_lol.csv")
```

This imports the required data for the project. The data was exported from an SQL script that creates the necessary tables (i.e. posts and annotations) and the data. To simplify the process of importing data, we used the table export wizard to export the SQL table data into csv files using custom SQL as the MySQL Workbench Table Export Wizard doesn't export all of the data properly.

## Step 2.5: Preliminary EDA

We are doing a preliminary EDA in order to understand how we should clean the data and the kind of data that we are dealing with.

### League of Legends analysis

```r
summary(lol_posts_df)
```

```
##     topic_id       post_number      author          html_message
##  Min.   :   2.0   Min.   :   0   Length:16867       Length:16867
##  1st Qu.:  33.0   1st Qu.: 364   Class :character   Class :character
##  Median : 140.0   Median : 953   Mode  :character   Mode  :character
##  Mean   : 604.6   Mean   :1393
##  3rd Qu.:1090.0   3rd Qu.:1998
##  Max.   :2481.0   Max.   :5358
##   timestamp
##  Length:16867
##  Class :character
##  Mode  :character
##
##
##
```

```r
nrow(lol_posts_df)
```

```
## [1] 16867
```

There are 16867 data points in the League of Legends posts data.

```r
lol_posts_df %>% select("topic_id") -> lol_topics #gets all unique lol_topics from the dataset
nrow(unique(lol_topics))
```

```
## [1] 17
```

This data set has a total of 17 different topics.

### World of Warcraft analysis

In our World of Warcraft posts dataset, we are given 354 rows of 5 features: topic_id, post_number, author, html_message and timestamp. For the purposes of this project, we will ignore timestamp, as it will not be used to train our models. The additional WoW annotations dataset reveals which messages were flagged as cyberbullying, from which the only useful features are the post_number and topic_id. This information has been combined into a single file – clean_posts_balanced_sample.csv.

Posts in the main dataset are formatted using HTML, meaning that our model will either have to be trained to recognise patterns such as paragraph breaks or we will have to clean the data and transform it into something more appropriate.

Furthermore, as we are only using a single set of features (post_number and topic_id) from the annotations dataset, we may be able to add another column to the posts dataset – a Boolean value representing whether or not a specific post contains cyberbullying. This will eliminate the need for the use of two separate datasets to develop our models.

Regarding the types of data we're given, topic IDs, authors and HTML messages are categorical, while post numbers are ordinal. In the annotations data set, all values but post number are categorical.

```r
summary(wow_posts_df)
```

```
##    topic_id          post_number      author          html_message
##  Length:16978       Min.   :   0   Length:16978       Length:16978
##  Class :character   1st Qu.: 226   Class :character   Class :character
##  Mode  :character   Median : 708   Mode  :character   Mode  :character
##                     Mean   :1366
##                     3rd Qu.:2420
##                     Max.   :4692
##                     NA's   :3
##   timestamp
##  Length:16978
##  Class :character
##  Mode  :character
##
##
##
##
```

```r
nrow(wow_posts_df)
```

```
## [1] 16978
```

There are 16978 data points.

```r
wow_posts_df %>% select("topic_id") -> wow_topics #gets all unique wow_topics from the dataset
nrow(unique(wow_topics))
```

```
## [1] 23
```

This data set has a total of 23 different topics.

## Step 3: Cleaning the data / Pre-processing

For pre-processing, we decided to merge the datasets as they are essentially identical to each other in terms of structure and we believed that this would simplify data pre-processing and remove code duplication. As we merged the datasets, we found that we could create a "is_bullying" column that would be used as a target variable for the model building process. We also created a "bullying_severity" column as each post can have multiple annotators for each cyberbullying post.

After that, we extracted the messages out of the HTML in order to then pre-process the messages through stemming, removing punctuation and removing stopwords (the messages are HTML as both datasets come from web forums). We then extracted a "word_counts" column for EDA purposes as well as sampling the data in order to balance it out. We then created training and test datasets for model building where each dataset is a document term matrix as we cannot pass in raw text data to the models. Finally, we export the relevant data (including clean data).

```r
# Creates dataset column to merge posts and annotations csv files together
wow_posts_df$dataset <- "WoW"
lol_posts_df$dataset <- "LoL"
```

```r
wow_annotations_df$dataset <- "WoW"
lol_annotations_df$dataset <- "LoL"

posts_df <- rbind(wow_posts_df, lol_posts_df)
annotations_df <- rbind(lol_annotations_df, wow_annotations_df)
```

Since wow_posts_df and lol_posts_df have the same structure, we merged the posts and annotation data frames together to simplify pre-processing (this avoids repeating code). However, we will need to analyse the datasets separately for EDA purposes so we created a "dataset" feature to counteract this.

```r
posts_df$id <- paste(posts_df$dataset, posts_df$topic_id, posts_df$post_number, sep="_")
annotations_df$id <- paste(annotations_df$dataset, annotations_df$topic_id, annotations_df$post_number,
```

To simplify the merging of data frames, we will create an ID column so that a left join can be performed on a single column. This mitigates the issues of duplicate topic ids and post numbers as the post numbers are only unique according to the topic id.

```r
merged_df <- left_join(posts_df, annotations_df, by = "id", keep=TRUE)
merged_df$is_bullying <- as.integer(!is.na(merged_df["id.y"]))
drop <- c('topic_id.y', 'post_number.y', 'dataset.y', 'id.y', 'offender', 'victim')
merged_df <- merged_df[, !(names(merged_df) %in% drop)]

# Removes the ".x" characters from the remaining annotations columns
colnames(merged_df) = sub(".x", "", colnames(merged_df))

# Create bullying_severity column
names(merged_df)[names(merged_df) == "annotator"] <- "bullying_severity"
merged_df["bullying_severity"][is.na(merged_df["bullying_severity"])] <- 0
posts_df <- merged_df %>% group_by(id) %>% slice(which.max(bullying_severity))
```

This code performs a left join to merge the dataframes together. Most of the columns from the annotations dataframe are useless for training an NLP classifier so we will be removing those columns. Since there are duplicate columns on each side, we will be dropping "y" columns.

We also created a bullying_severity column as we found that some posts have been annotated as bullying by multiple annotators which could make this a useful feature for model building.

```r
remove_html <- function(html_msg, isHtml) {
  if(isHtml) {
    # Remove backslashes when dealing with LoL forum data
    html_msg <- gsub("\\\\", '', html_msg)
    # Get XML nodes
    msg <- xml2::read_html(html_msg)
    # Get the block quotes and quotes (blockquotes for WoW, .quote for LoL)
    blockquotes <- msg %>% html_nodes("blockquote")
    quotes <- msg %>% html_nodes(".quote")

    # Remove quote elements for LoL and WoW datasets
    xml_remove(blockquotes)
    xml_remove(quotes)
    msg <- html_text(msg)
    return(msg)
  }
```

```
  return(html_msg)
}
```

The "html_message" column has messages that have HTML and do not contain HTML at all. In order to handle this, we will be creating a "is_html" column that uses a regular expression to detect HTML in order to prevent errors with RVest. The "tm" package does not handle removing HTML content and we cannot simply use a regular expression to remove HTML as the data originates from gaming forums where "

" elements are frequently used. If we used a regular expression then the content inside the blockquotes would still remain.

To remove the content of the blockquotes, we used RVest to acquire the blockquote element contents as well as any

elements with ".quote" and then we use xml_remove() to remove the blockquote element nodes. We then convert the RVest object back into a string.

```
# Regex for detecting HTML
detect_html_regex <- "<.*?>"
# Create is_html column
posts_df$is_html <- str_detect(posts_df$html_message, detect_html_regex)
# Apply remove_html function to html_message
posts_df$html_message <- mapply(remove_html, posts_df$html_message, posts_df$is_html)
posts_df <- posts_df[, !(names(posts_df) %in% 'is_html')]

# Converts any regex passed into the transformer into a space character
toSpaceTransformer <- content_transformer(function (x, pattern) gsub(pattern, "", x))
posts_corpus <- Corpus(VectorSource(posts_df$html_message))
posts_corpus <- posts_corpus %>%
                tm_map(content_transformer(tolower)) %>%
                tm_map(toSpaceTransformer, "http\\S+\\s*") %>%
                tm_map(removeNumbers) %>%
                tm_map(removeWords, stopwords("english")) %>%
                tm_map(removePunctuation) %>%
                tm_map(stemDocument) %>%
                tm_map(stripWhitespace)
posts_df$html_message <- data.frame(text=sapply(posts_corpus, identity), stringsAsFactors = F)$text
```

This code removes useless characters, stopwords, punctuation and it uses stemming to improve model performance. Certain steps of the pre-processing could be tweaked to improve model performance (e.g. number of stopwords being omitted) as the pre-processing could end up being too rigorous.

We removed the HTML characters first in order to prevent interference when removing punctuation or whitespace.

```
posts_df$word_counts <- str_count(posts_df$html_message, "\\S+")
```

This code gets the word counts for the html messages which can be used for analysing word counts in the EDA. We may also use the word counts to filter messages with word counts that are too low.

```
posts_df <- posts_df %>% na_if("") %>% na.omit
```

This code removes NaN rows from posts_df which can become a problem after pre-processing if there were too many stop words in the original messages.

```
write.csv(posts_df, file="Data/clean_posts.csv")
```

This code exports the clean posts to a csv file to be analysed separately. This also comes in handy in order to save time when performing EDAs as pre-processing can take time (especially on slow computers).

```
corpus = VCorpus(VectorSource(posts_df$html_message))
dtm = DocumentTermMatrix(corpus)
dtm = removeSparseTerms(dtm, 0.999)
posts_data = as.data.frame(as.matrix(dtm))
posts_data$is_bullying = as.factor(posts_df$is_bullying)
```

We create a document term matrix from the html messages and we remove sparse terms (i.e. empty values) using removeSparseTerms. We then assign a "is_bullying" column for model building and EDA purposes.

```
ggplot(data=posts_data, aes(x=is_bullying)) + geom_bar()
```

As we can see, the data is heavily imbalanced where there isn't many bullying cases. This will result in the classifier being trained to where it is more accurate at classifying non-bullying cases rather than bullying cases. We will use undersampling because we have plenty of non-bullying data but not enough data for bullying cases (this means we can afford to reduce how much data we are dealing with).

```
is_bullying = which(posts_data$is_bullying == 1)
not_bullying = which(posts_data$is_bullying == 0)
nsamp = min(length(is_bullying), length(not_bullying))
```

```
sample_bullying = sample(is_bullying, nsamp)
sample_not_bullying = sample(not_bullying, nsamp)
posts_data_balanced = posts_data[c(sample_bullying, sample_not_bullying),]

ggplot(data=posts_data_balanced, aes(x=is_bullying)) + geom_bar()
```

This creates a sample of the bullying data for balancing purposes. However, this comes at the expense of having much less data to work with as there are significantly less cyberbullying cases versus non-cyberbullying cases.

```
set.seed(42)
part <- sample(2, nrow(posts_data), replace=TRUE, prob=c(0.6, 0.4))
train <- posts_data[part == 1, ]
test <- posts_data[part == 2, ]
```

We split the data using a 60:40 train-test split.

```
set.seed(42)
part <- sample(2, nrow(posts_data_balanced), replace=TRUE, prob=c(0.6, 0.4))
train_balanced <- posts_data_balanced[part == 1, ]
test_balanced <- posts_data_balanced[part == 2, ]
```

We split the data using a 60:40 split. This is for the balanced data.

```
write.csv(posts_data_balanced, file="Data/clean_posts_dtm_balanced_sample.csv")
write.csv(train_balanced, file="Data/train_balanced.csv")
write.csv(test_balanced, file="Data/test_balanced.csv")
write.csv(train, file="Data/train.csv")
write.csv(test, file="Data/test.csv")
write.csv(posts_data, file="Data/clean_posts_dtm.csv")
```

We export the training and test data to make steps such as model building and EDA easier and more convenient as it can take time to pre-process the data (especially on slower computers).

## Step 4: EDA

### League of Legends analysis

```
posts_df %>% filter(dataset == "LoL") -> lol_posts
lol_posts %>% filter(is_bullying == 1) -> bullying_lol
bullying_lol
```

```
## # A tibble: 255 x 10
## # Groups:   id [255]
##    topic_id post_~1 author html_~2 times~3 dataset id    bully~4 is_bu~5 word_~6
##    <chr>      <int> <chr>  <chr>   <chr>   <chr>   <chr>   <dbl>   <int>   <int>
##  1 1030          11 160a1~ seen w~ 2014-1~ LoL     LoL_~       3       1      22
##  2 1030          12 1649d~ can te~ 2014-1~ LoL     LoL_~       2       1       9
##  3 1030          15 160a1~ fight ~ 2014-1~ LoL     LoL_~       3       1      42
##  4 1030          17 160a1~ dropha~ 2014-1~ LoL     LoL_~       2       1      25
##  5 1030          18 1649d~ get re~ 2014-1~ LoL     LoL_~       3       1      39
##  6 1030          19 160a1~ defend~ 2014-1~ LoL     LoL_~       3       1      30
##  7 1030          30 160a1~ still ~ 2014-1~ LoL     LoL_~       3       1       8
##  8 1030          33 d99c3~ uh not~ 2014-1~ LoL     LoL_~       3       1      13
##  9 1030          37 160a1~ refus ~ 2014-1~ LoL     LoL_~       3       1      18
## 10 1030          44 160a1~ reach ~ 2014-1~ LoL     LoL_~       3       1       7
## # ... with 245 more rows, and abbreviated variable names 1: post_number,
## #   2: html_message, 3: timestamp, 4: bullying_severity, 5: is_bullying,
## #   6: word_counts
```

```
nrow(bullying_lol) / nrow(lol_posts) * 100
```

```
## [1] 1.530429
```

For this data set 1.53% of the posts are labeled as bullying.

```
lol_tibble <- tibble(txt = lol_posts$html_message)
lol_tibble #transforming the HTML messages into a tibble for an easier workflow
```

```
## # A tibble: 16,662 x 1
##    txt
##    <chr>
##  1 bannd
```

```
##  2 can hope
##  3 fdcbbee dirti ing show
##  4 seen well coupl time irelia jarvan just havent seen mean happen vice versa c~
##  5 can tell ing kid much immatur ing littl gotcha
##  6 special snowflakeeeegif
##  7 gonna take bait fdcbbee drophack internet finish repli
##  8 fight fire fire good strategi also fair certain peopl agre talk admit popula~
##  9 kind peopl defend fdcbbee
## 10 drophack game season now get rest life lmao peopl disgust find someth better~
## # ... with 16,652 more rows
```

```
lol_tibble <- lol_tibble%>%
    mutate(linenumber = row_number()) %>%
 unnest_tokens(word, txt) %>% anti_join(stop_words)
```

```
## Joining, by = "word"
```

```
lol_tibble #splitting tibble by words
```

```
## # A tibble: 334,514 x 2
##    linenumber word
##         <int> <chr>
##  1          1 bannd
##  2          2 hope
##  3          3 fdcbbee
##  4          3 dirti
##  5          3 ing
##  6          4 coupl
##  7          4 time
##  8          4 irelia
##  9          4 jarvan
## 10          4 havent
## # ... with 334,504 more rows
```

```
lol_counts <- lol_tibble %>% count(word, sort=TRUE)
lol_counts #sorting words by count
```

```
## # A tibble: 17,818 x 2
##    word         n
##    <chr>    <int>
##  1 lp        7020
##  2 ffsgive   6932
##  3 game      4991
##  4 play      3642
##  5 riot      3189
##  6 peopl     2998
##  7 time      2595
##  8 dominion  1978
##  9 realli    1913
## 10 player    1861
## # ... with 17,808 more rows
```

```r
wordcloud(lol_counts$word, lol_counts$n,
          min.freq=25, random.order=FALSE, colors=brewer.pal(8, "Dark2"))
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prevent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : quick could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : improv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : compar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cassio could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : explain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : feedback could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : strike could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : doubt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : found could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : internet could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : discuss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : frustrat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nasus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : releas could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : draft could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : potenti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dom could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wave could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : patch could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : speak could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wow could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : constant could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : death could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : futur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : usual could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : connect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : happi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : choic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : multipl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bilgewat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : comput could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : worst could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cooldown could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : activ could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : control could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : exampl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : figur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hacker could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sometim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mistak could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : provid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : requir could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : data could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : evid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : poster could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : step could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : claim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : institut could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : faddbaa could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : save could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : specif could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : busi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : combin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : argument could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bulli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : delet could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : despit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : easili could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : moment could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ping could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : repli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rioter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : charact could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : safe could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bffebfbbf could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : concern could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nobodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sever could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : depress could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : destroy could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : style could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hold could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mess could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : playstyl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : legend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : respond could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : short could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : palla could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : includ could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : poke could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : screw could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : easier could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : useless could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : human could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : send could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : straight could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : appar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : broken could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : consist could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : coupl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : jungl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : negat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : begin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kinda could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : perfect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : yordl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : broke could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fire could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : outsid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : phase could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : relat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dmg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : escap could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : front could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ruin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : similar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trust could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : appli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : burst could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : poor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : access could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : correct could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spike could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : truth could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cassi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bonus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : brand could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : comment could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lead could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mad could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sustain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : varus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : offer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : result could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : togeth could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ecffbcacac could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gank could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : listen could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : depend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dude could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : massiv could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : worri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bore could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : effort could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pull could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : board could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : smurf could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : term could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : diamond could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lore could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reconnect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wont could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : appreci could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cdr could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : complain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : difficult could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : girl could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : simpl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : surpris could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trade could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : treelin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : finish could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : playerbas could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : refus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : stuck could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : syndra could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : accept could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : addit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : revert could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shop could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blast could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dfaadbb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dodg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : object could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : armor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : defend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : origin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pls could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prefer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : promot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ticket could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : amaz could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : interact could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : logic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : solo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tower could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wanna could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : otherwis could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : popular could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ryze could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bother could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : piss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rage could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : recent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : test could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : previous could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : restor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : caitlyn could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : jump could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gameplay could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : luck could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rip could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : slight could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : super could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : imagin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : argu could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : client could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : eye could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : idiot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : servic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : altern could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : behavior could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : downvot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fault could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : handl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : home could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : insult could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : knowledg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mobil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : proper could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prove could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : beat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blame could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rito could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : teamfight could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : choos could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : horribl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ionia could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : locket could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : min could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : alli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : forget could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : insid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : overal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : link could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : locat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : night could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : truli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : affect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : disconnect could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fuel could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hide could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : involv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : respect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shield could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shut could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : viabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : warn could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fall could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : form could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : miasma could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : video could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : noxian could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trash could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ultim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : airship could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : awesom could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : period could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : receiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ridicul could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : split could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : standard could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tank could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : util could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : funni could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : secur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : favorit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : incred could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : piltov could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tie could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bare could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : besid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bull could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : grow could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : heard could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : meet could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : poll could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reliabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : teemo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blind could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : common could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : steal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : teammat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bet could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : doesnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : earlier could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mark could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : replac could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : success could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : war could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : black could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : didnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dota could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : noxious could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : solv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : excus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : glad could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : onlin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : proof could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : zed could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bunch could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : count could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : goal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lategam could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : password could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : stronger could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : famili could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : karma could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : meta could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : repeat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sleep could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : suicid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : communic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : remain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : solut could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : stream could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tournament could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : aw could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hyper could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : veigar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : age could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : immedi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pass could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : request could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : event could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : favor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : refund could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : regard could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : screen could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : annoy could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : catch could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : confus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : danger could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dragon could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : feeder could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : forward could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : purpos could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : snake could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ahead could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : compens could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : counter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : engag could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : imposs could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : limit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : threat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : alright could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : convers could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : extra could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : popul could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : skype could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : special could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : squishi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : teller could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : treat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : charg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : crazi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : faster could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : harder could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : meant could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : messag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : natur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : noxus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pirat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : protect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : suffer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : click could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : convinc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : eventu could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : histori could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : store could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : strategi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sudden could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : surviv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tier could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : topic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : approach could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : averag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fan could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : risk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : signific could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : suppli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : zone could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : assassin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : caught could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gotta could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rush could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bought could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : confirm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : decent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : disappoint could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : insan could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kassadin could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : laugh could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : troubl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : view could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blow could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : investig could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rare could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : doubl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : encourag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fed could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mental could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sexual could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : somewher could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gangplank could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rylai could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sourc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : subject could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : technic could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : uniqu could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : yasuo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : block could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : instant could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : legitim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : opportun could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pool could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prerework could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : public could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : advantag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : individu could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : invest could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : load could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : perform could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : piec could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : somebodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : water could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : abecbdb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : brought could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : confess could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kick could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : million could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : plenti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : restrict could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rum could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unlik could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : valu could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : weird could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : crash could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : equal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sign could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : switch could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : afraid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bronz could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : impact could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prison could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : quot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : resourc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : search could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wall could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : aspect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blue could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : door could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hole could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lucki could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : moder could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : peac could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : promis could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : upset could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : icon could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : master could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : overload could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : scenario could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tool could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : town could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : version could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : white could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : decim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dumb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : enter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : math could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : polic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : practic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : remind could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shurima could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sick could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ascens could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ball could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : excit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : murder could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : perman could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : potion could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unfortun could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : winrat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : abus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : accord could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : burn could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : caabd could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : casss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : challeng could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : heart could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : laner could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : plz could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : research could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : travel could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : awar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pattern could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : refresh could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : touch could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : attach could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cap could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : coast could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : featur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : garbag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : light could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : recogn could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : satisfi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : soraka could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : storm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blade could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bounti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : detail could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : path could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : write could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : attitud could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bless could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dadb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : disagre could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : forgot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : grab could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hmm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : offens could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : viktor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : chase could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : combo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fek could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : huh could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ppl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pretend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : progress could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : relev could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sell could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : upvot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : welcom could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : anywher could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : biggest could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cad could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cloak could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dick could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : process could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rekt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sigh could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sin could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : apolog could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : benefit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : card could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : commit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : jungler could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : justifi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : track could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : aliv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : azir could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bomb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cbced could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cover could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fulli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : holi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : measur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : minor could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : refer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : villag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : voic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wise could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : anim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : corrupt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : curious could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gun could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ms could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : weapon could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : develop could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dice could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dislik could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dollar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : grant could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : maintain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : medium could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : middl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : monster could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : plat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : redhead could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : school could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : secret could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : statement could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trap could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : weaker could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : adjust could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bigger could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bubbl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : detect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : experienc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : guid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : justic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : knock could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pathet could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shame could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : turret could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : urgot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : visibl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : zaun could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : aa could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : alot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : angri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : announc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cadenc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dedic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : disabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : domin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : function could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : guarante could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : orianna could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : retard could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tribun could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : victori could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : boot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : casual could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : closer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : crystal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : flaw could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : implement could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : regular could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : scene could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : skillshot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : acknowledg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ahri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : assist could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dark could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : empathi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : enabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hypercarri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : judg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mele could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nich could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nowher could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : opposit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pictur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prioriti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ran could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : scare could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : screenshot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : aggress could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : contest could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : essenti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : necessari could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nexus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : qol could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reddit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : resolv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : select could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : victim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : asid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : beta could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ccbdffbb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : draw could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ffeddafb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : iron could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ive could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : purchas could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reduct could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : regen could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : skarner could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : therefor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : valid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : accomplish could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : boss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cataclysm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : clean could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : file could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : food could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : grind could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ground could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : odd could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : physic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : static could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : strength could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tidecal could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : visit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blizzard could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : boy could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : contribut could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dream could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : durat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : email could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : employe could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : error could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : flame could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : isnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : legit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : moba could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : qs could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shoot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tidal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : whenev could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : advic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : circlejerk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : combat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : demand could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : deni could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : explor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : faith could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fake could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : heck could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ignit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : meanwhil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : movement could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : occasion could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : occur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : poppi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : serv could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : strang could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tanki could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tweak could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : arm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bladesurg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : climb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : critic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : femal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : heavi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hero could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : jerk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : program could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : stage could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tristana could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unplay could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wreck could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : aint could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : anybodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : appeal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : code could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dealt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : demacia could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : distanc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : distract could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : drunk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : familiar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fish could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : healthi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : initi could not be fit on page. It will not be plotted.

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## = FALSE, : knight could not be fit on page. It will not be plotted.

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## = FALSE, : permaban could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : realiti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tldr could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : utter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : venom could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : appl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : attract could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : book could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : decreas could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : disguis could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : esport could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : heavili could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : legal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : omg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : product could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : resist could not be fit on page. It will not be plotted.

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## = FALSE, : separ could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sona could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unknown could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : violat could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : achiev could not be fit on page. It will not be plotted.

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## = FALSE, : aqua could not be fit on page. It will not be plotted.

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## = FALSE, : captur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : concept could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : everybodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : express could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : flow could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : network could not be fit on page. It will not be plotted.

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## = FALSE, : news could not be fit on page. It will not be plotted.

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## = FALSE, : paid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : proc could not be fit on page. It will not be plotted.

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## = FALSE, : pub could not be fit on page. It will not be plotted.

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## = FALSE, : remot could not be fit on page. It will not be plotted.

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## = FALSE, : teach could not be fit on page. It will not be plotted.

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## = FALSE, : atleast could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : capabl could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : drive could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : extend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : forgiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : forgiven could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : freak could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : imag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : market could not be fit on page. It will not be plotted.

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## = FALSE, : melt could not be fit on page. It will not be plotted.

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## = FALSE, : press could not be fit on page. It will not be plotted.

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## = FALSE, : reviv could not be fit on page. It will not be plotted.

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## = FALSE, : roam could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rough could not be fit on page. It will not be plotted.

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## = FALSE, : sake could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sec could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sing could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : transfer could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trist could not be fit on page. It will not be plotted.

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## = FALSE, : aka could not be fit on page. It will not be plotted.

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## = FALSE, : anger could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : arriv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : compet could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : credit could not be fit on page. It will not be plotted.

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## = FALSE, : desper could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : emot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : factor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hint could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hunt could not be fit on page. It will not be plotted.

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## = FALSE, : lay could not be fit on page. It will not be plotted.

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## = FALSE, : login could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : martial could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : meaning could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : oom could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pallus could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pure could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : riven could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : site could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : snowbal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : status could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : temporari could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tomorrow could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : univers could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : urtistan could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : user could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : warwick could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : anivia could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : barrag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : barrier could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : creep could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dfebfd could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : drain could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : duo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : frequent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hous could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : instanc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mod could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : neglect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pointless could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : staff could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : struggl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : swain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : swear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : uristan could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ye could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : zigg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : belong could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : copi could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : efbedabc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : giant could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lazi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mere could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : primari could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : slap could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : theme could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trait could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : weeaboo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : worthless could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : avail could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blood could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : brain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : button could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : content could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cooper could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dear could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : desir could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : explod could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : failur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hidden could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ideal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : impress could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : isp could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : male could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : morn could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nope could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prepar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rais could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reveal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : round could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : row could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : smart could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : solid could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : window could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : yea could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : assur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : boat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cana could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : clairvoy could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : color could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : crime could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : exhaust could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : harm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : harsh could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : impli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : leblanc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nonsens could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : output could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : perspect could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : profession could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : qualiti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : record could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shove could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : size could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : stabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tip could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : typic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ward could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bottom could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bribe could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : complaint could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : compromis could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : crippl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : crush could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : display could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : duel could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : evil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : grave could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ha could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : incent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kass could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : manner could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : necessarili could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : peer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pressur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : promo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pvp could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : quest could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : recov could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shes could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shown could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : social could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : talon could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : thousand could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tune could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : twitch could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : accur could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : chogath could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : degre could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : excel could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : flip could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gather could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hang could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : liandri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lurk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : offici could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : profit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : router could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : runeterra could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sole could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : space could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : vision could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : xerath could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : analysi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : author could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bakeri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : calm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : determin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : drag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dynam could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : em could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : encount could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : entertain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : frank could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hall could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : moral could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : paper could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pre could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : proceed could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : robe could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : selfish could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shred could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : text could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : vast could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : advertis could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : akali could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : atm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : avatar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : chess could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : clue could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : comp could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : confid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ddose could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : defin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : disgust could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : exclus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hes could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hire could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : icathia could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : machin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : midgam could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : myron could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : negoti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pray could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : react could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reaction could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : regret could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rise could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : score could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spread could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tavern could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : zhonya could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ah could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blimp could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bounc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : child could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : chunk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : collect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : comparison could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dash could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : disappear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gap could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gder could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : golden could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : guard could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : haha could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hiten could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hype could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ionian could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : journal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : larger could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mouth could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : passion could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : prior could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : raid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : silli could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : stress could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : verbal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : whatsoev could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : xp could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : associ could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : depth could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : drastic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dunno could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fdda could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fiddlestick could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gender could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : generat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hilari could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : incid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : input could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : irrelev could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : karthus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ladi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nah could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : oo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : polit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : recommend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : repres could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : skirmish could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : statist could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : treatment could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : vamp could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : viabil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : waveclear could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : yep could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : babi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : butt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : complex could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : debuff could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : deep could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : demacian could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : equilibrium could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : equip could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gate could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : held could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hunter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kog could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : launch could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : malzahar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : masteri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : matchup could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mute could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : parent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : piti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : portion could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : psycholog could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : reflect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rout could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : seek could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : smite could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sport could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : surg could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tone could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : twitter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : vayn could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : weaken could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : advanc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : afterward could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : asap could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : baron could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : circumst could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : class could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : drama could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gtfo could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : influenc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : letter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lolk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mass could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mix could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : particip could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : proven could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : recal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : safeti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shopkeep could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spectat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trace could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trick could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : arrest could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ash could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : automat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : basi could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bed could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bias could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bruiser could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : calcul could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : circl could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : classic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : download could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : folk could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : intellig could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : invas could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : judgement could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kayl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ladder could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : maximum could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mother could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : numer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : observ could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : obtain could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : oppos could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : perma could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : phone could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : predict could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pros could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ps could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : qw could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ride could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rotat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unfair could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : unlock could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : visual could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wind could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : acquir could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : anni could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : apprehend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : awhil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : beauti could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bottl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : brother could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : buddi could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : builder could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : civil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cop could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : crowd could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : curv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : demot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : emphas could not be fit on page. It will not be plotted.

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## = FALSE, : euw could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : exchang could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : finger could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : flash could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : honor could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : immobil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : instabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : introduc could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : method could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : price could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : rape could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ring could not be fit on page. It will not be plotted.

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## = FALSE, : seraph could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shorter could not be fit on page. It will not be plotted.

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## = FALSE, : weekend could not be fit on page. It will not be plotted.

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## = FALSE, : yell could not be fit on page. It will not be plotted.

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## = FALSE, : aim could not be fit on page. It will not be plotted.

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## = FALSE, : alter could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : america could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : border could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cancer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cho could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : conceal could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : consensus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : contract could not be fit on page. It will not be plotted.

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## = FALSE, : dare could not be fit on page. It will not be plotted.

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## = FALSE, : depart could not be fit on page. It will not be plotted.

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## = FALSE, : gamer could not be fit on page. It will not be plotted.

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## = FALSE, : harbor could not be fit on page. It will not be plotted.

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## = FALSE, : outright could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pace could not be fit on page. It will not be plotted.

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## = FALSE, : repair could not be fit on page. It will not be plotted.

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## = FALSE, : review could not be fit on page. It will not be plotted.

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## = FALSE, : roa could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : scari could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : script could not be fit on page. It will not be plotted.

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : streak could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : abyss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : consum could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dbbe could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : ebb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fool could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : growth could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : hair could not be fit on page. It will not be plotted.

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## = FALSE, : intens could not be fit on page. It will not be plotted.

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## = FALSE, : jack could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : jesus could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : katarina could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mate could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : meh could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : midlan could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : minimum could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : narciss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : plot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shadow could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sooner could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : splash could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : stfu could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : submit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : tonight could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trojan could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : urf could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : websit could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : absurd could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : center could not be fit on page. It will not be plotted.

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## = FALSE, : cmon could not be fit on page. It will not be plotted.

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## = FALSE, : command could not be fit on page. It will not be plotted.

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## = FALSE, : consequ could not be fit on page. It will not be plotted.

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## = FALSE, : cough could not be fit on page. It will not be plotted.

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## = FALSE, : crew could not be fit on page. It will not be plotted.

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## = FALSE, : cute could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : deliv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : divis could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : dump could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : enorm could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : gamemod could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : havent could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : host could not be fit on page. It will not be plotted.

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lulu could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : monitor could not be fit on page. It will not be plotted.

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## = FALSE, : mountain could not be fit on page. It will not be plotted.

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## = FALSE, : ration could not be fit on page. It will not be plotted.

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## = FALSE, : revers could not be fit on page. It will not be plotted.

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : suit could not be fit on page. It will not be plotted.

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## = FALSE, : sweet could not be fit on page. It will not be plotted.

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : wake could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : yesterday could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : agreement could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bold could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : chill could not be fit on page. It will not be plotted.

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## = FALSE, : cold could not be fit on page. It will not be plotted.

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : council could not be fit on page. It will not be plotted.

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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : emphasi could not be fit on page. It will not be plotted.
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
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## = FALSE, : hostil could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : incorrect could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : island could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : kiss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : lizard could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : minim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : net could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : nuke could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : organ could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : platinum could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pot could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : project could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : pun could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : retali could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : scar could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : scout could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : skip could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : suspici could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : titl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : welp could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : women could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : abandon could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : adapt could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : aid could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bag could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : bite could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : blatant could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : box could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : cannon could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : closest could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : coward could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : credibl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : debat could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : eaccfcb could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : earth could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : edg could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : estim could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : fellow could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : glass could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : inher could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : intern could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : loos could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : motiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : muh could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : mysteri could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : neutral could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : north could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : offic could not be fit on page. It will not be plotted.
```

```
## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : overpow could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : playabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : polici could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : premad could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : quiet could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : race could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : relic could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : safer could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : shape could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : spin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : sum could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : surrend could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : teleport could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : termin could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : theori could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : toss could not be fit on page. It will not be plotted.

## Warning in wordcloud(lol_counts$word, lol_counts$n, min.freq = 25, random.order
## = FALSE, : trip could not be fit on page. It will not be plotted.
```

```
  #creating a word cloud out of sorted list
```

```
lol_bigrams <- tibble(txt = lol_posts$html_message) %>%
  unnest_tokens(bigram, txt, token = "ngrams", n = 2)
lol_bigrams
```

```
## # A tibble: 451,507 x 1
##    bigram
##    <chr>
##  1 <NA>
##  2 can hope
##  3 fdcbbee dirti
##  4 dirti ing
##  5 ing show
##  6 seen well
##  7 well coupl
##  8 coupl time
##  9 time irelia
## 10 irelia jarvan
## # ... with 451,497 more rows
```

```
#split original tibble into two-word bigrams
```

```r
lol_bigrams <- lol_bigrams %>%
      separate(bigram, c("word1", "word2"), sep = " ")
lol_bigrams #separating them out for easier cleaning
```

```
## # A tibble: 451,507 x 2
##    word1   word2
##    <chr>   <chr>
##  1 <NA>    <NA>
##  2 can     hope
##  3 fdcbbee dirti
##  4 dirti   ing
##  5 ing     show
##  6 seen    well
##  7 well    coupl
##  8 coupl   time
##  9 time    irelia
## 10 irelia  jarvan
## # ... with 451,497 more rows
```

```r
lol_bigrams <- lol_bigrams %>%
      filter(!word1 %in% stop_words$word) %>%
      filter(!word2 %in% stop_words$word)
lol_bigrams #filtering out unwanted words
```

```
## # A tibble: 231,542 x 2
##    word1   word2
##    <chr>   <chr>
##  1 <NA>    <NA>
##  2 fdcbbee dirti
##  3 dirti   ing
##  4 coupl   time
##  5 time    irelia
##  6 irelia  jarvan
##  7 happen  vice
##  8 vice    versa
##  9 assumpt level
## 10 level   intellig
## # ... with 231,532 more rows
```

```r
lol_bigrams <- lol_bigrams %>%
            filter(!is.na(word1)) %>%
            filter(!is.na(word2))
lol_bigrams #removing null values
```

```
## # A tibble: 230,640 x 2
##    word1      word2
##    <chr>      <chr>
##  1 fdcbbee    dirti
##  2 dirti      ing
##  3 coupl      time
##  4 time       irelia
```

```
##  5 irelia     jarvan
##  6 happen     vice
##  7 vice       versa
##  8 assumpt    level
##  9 level      intellig
## 10 highschool retard
## # ... with 230,630 more rows
```

```
lol_bigrams <- lol_bigrams %>%
            unite(bigram, word1, word2, sep=" ")
lol_bigrams #joining the words back together
```

```
## # A tibble: 230,640 x 1
##    bigram
##    <chr>
##  1 fdcbbee dirti
##  2 dirti ing
##  3 coupl time
##  4 time irelia
##  5 irelia jarvan
##  6 happen vice
##  7 vice versa
##  8 assumpt level
##  9 level intellig
## 10 highschool retard
## # ... with 230,630 more rows
```

```
lol_bigram_counts <- lol_bigrams %>% count(bigram, sort=TRUE)
lol_bigram_counts #counting and sorting bigrams
```

```
## # A tibble: 154,477 x 2
##    bigram            n
##    <chr>         <int>
##  1 lp ffsgive     6932
##  2 late game       380
##  3 twin fang       347
##  4 play game       309
##  5 earli game      270
##  6 game mode       243
##  7 play dominion   209
##  8 rank queue      146
##  9 play rank       143
## 10 leagu legend    137
## # ... with 154,467 more rows
```

```
lol_bigram_counts %>%
  filter(str_detect(lol_bigram_counts$bigram,"[0-9]", negate = TRUE)) -> lol_bigram_counts
lol_bigram_counts #removing any bigrams with numbers
```

```
## # A tibble: 154,477 x 2
##    bigram            n
##    <chr>         <int>
```

```
##  1 lp ffsgive     6932
##  2 late game       380
##  3 twin fang       347
##  4 play game       309
##  5 earli game      270
##  6 game mode       243
##  7 play dominion   209
##  8 rank queue      146
##  9 play rank       143
## 10 leagu legend    137
## # ... with 154,467 more rows
```

```
lol_filtered_bigrams <- lol_bigram_counts %>%
                  filter(n >= 4)
lol_filtered_bigrams #sorting remaining bigrams with a frequency of 4 or more
```

```
## # A tibble: 6,031 x 2
##    bigram            n
##    <chr>         <int>
##  1 lp ffsgive     6932
##  2 late game       380
##  3 twin fang       347
##  4 play game       309
##  5 earli game      270
##  6 game mode       243
##  7 play dominion   209
##  8 rank queue      146
##  9 play rank       143
## 10 leagu legend    137
## # ... with 6,021 more rows
```

```
lol_separated_bigrams <- lol_filtered_bigrams %>%
  select("bigram") %>%
  separate(bigram, c("word1", "word2"), sep = " ")
lol_separated_bigrams #separating bigrams again, preparing for graphical representation
```

```
## # A tibble: 6,031 x 2
##    word1 word2
##    <chr> <chr>
##  1 lp    ffsgive
##  2 late  game
##  3 twin  fang
##  4 play  game
##  5 earli game
##  6 game  mode
##  7 play  dominion
##  8 rank  queue
##  9 play  rank
## 10 leagu legend
## # ... with 6,021 more rows
```

```r
lol_bigram_graph <- lol_separated_bigrams %>%
                  graph_from_data_frame()
lol_bigram_graph  #creating bigram graph
```

```
## IGRAPH ccea4b7 DN-- 1761 6031 --
## + attr: name (v/c)
## + edges from ccea4b7 (vertex names):
##  [1] lp      ->ffsgive  late    ->game     twin    ->fang     play    ->game
##  [5] earli   ->game     game    ->mode     play    ->dominion rank    ->queue
##  [9] play    ->rank     leagu   ->legend   peopl   ->play     poison  ->mage
## [13] rank    ->dominion summon  ->rift     rank    ->game     dominion->player
## [17] player  ->base     game    ->play     share   ->account  account ->share
## [21] twist   ->treelin  lane    ->bulli    win     ->rate     loss    ->prevent
## [25] mana    ->cost     ap      ->ratio    enemi   ->team     lane    ->phase
## [29] everi   ->singl    fortun  ->teller   noxious ->blast    everi   ->time
## + ... omitted several edges
```

```r
ggraph(lol_bigram_graph, layout = "fr") +
  geom_edge_link() +
  geom_node_point() +
  geom_node_text(aes(label = name), vjust = 1, hjust = 1)
```

```
## Warning: Using the `size` aesthetic in this geom was deprecated in ggplot2 3.4.0.
## i Please use `linewidth` in the `default_aes` field and elsewhere instead.

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <ca>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <96>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <e0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <ba>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <88>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <d9>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <84>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <cd>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <9c>
```

```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <e0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <ba>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <88>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <e3>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <83>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <bd>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <e3>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <81>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <a4>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'âº âº' in 'mbcsToSbcs': dot substituted for <d9>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'âº âº' in 'mbcsToSbcs': dot substituted for <84>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'âº âº' in 'mbcsToSbcs': dot substituted for <cd>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'âº âº' in 'mbcsToSbcs': dot substituted for <9f>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <e3>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <83>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <84>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <ef>
```

```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <be>
```

```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ' ' in 'mbcsToSbcs': dot substituted for <89>
```

**World of Warcraft analysis**

```
wow_posts <- posts_df %>% filter(dataset == "WoW")
posts_df %>% filter(is_bullying == 1) -> bullying_wow
bullying_wow
```

```
## # A tibble: 410 x 10
## # Groups:   id [410]
##    topic_id post_~1 author html_~2 times~3 dataset id    bully~4 is_bu~5 word_~6
##    <chr>      <int> <chr>  <chr>   <chr>   <chr>   <chr>   <dbl>   <int>   <int>
##  1 1030          11 160a1~ seen w~ 2014-1~ LoL     LoL_~       3       1      22
##  2 1030          12 1649d~ can te~ 2014-1~ LoL     LoL_~       2       1       9
##  3 1030          15 160a1~ fight ~ 2014-1~ LoL     LoL_~       3       1      42
##  4 1030          17 160a1~ dropha~ 2014-1~ LoL     LoL_~       2       1      25
##  5 1030          18 1649d~ get re~ 2014-1~ LoL     LoL_~       3       1      39
##  6 1030          19 160a1~ defend~ 2014-1~ LoL     LoL_~       3       1      30
##  7 1030          30 160a1~ still ~ 2014-1~ LoL     LoL_~       3       1       8
```

```
##  8 1030          33 d99c3~ uh not~ 2014-1~ LoL     LoL_~       3       1      13
##  9 1030          37 160a1~ refus ~ 2014-1~ LoL     LoL_~       3       1      18
## 10 1030          44 160a1~ reach ~ 2014-1~ LoL     LoL_~       3       1       7
## # ... with 400 more rows, and abbreviated variable names 1: post_number,
## #   2: html_message, 3: timestamp, 4: bullying_severity, 5: is_bullying,
## #   6: word_counts
```

```
nrow(bullying_wow) / nrow(wow_posts) * 100
```

```
## [1] 2.437285
```

For this data set 2.4% of the posts are labeled as bullying.

```
wow_tibble <- tibble(txt = wow_posts$html_message)
wow_tibble #transforming the HTML messages into a tibble for an easier workflow
```

```
## # A tibble: 16,822 x 1
##    txt
##    <chr>
##  1 snip flamebait remov ive never busi expans releas earlier instead feel like ~
##  2 peopl come forum express concern love game major part life someth chang make~
##  3 give impress cri instead provid construct feedback two differ thing
##  4 garrison alreadi feel like option timesink realli fun realli excit rather bo~
##  5 like expans enjoy gore brought still plenti thing feel pressur run daili man~
##  6 earth op get upvot great like game even us unhappi nice other find enjoy gam~
##  7 sub expir
##  8 spoken like true blizzard fanboy serious even play cata mop cata bad filthi ~
##  9 peopl taken forum complain remain silent enjoy sinc forev matter goodbad gam~
## 10 know pathet open anoth thread call peopl pathet give feedback oh give damn m~
## # ... with 16,812 more rows
```

```
wow_tibble <- wow_tibble%>%
    mutate(linenumber = row_number()) %>%
 unnest_tokens(word, txt) %>% anti_join(stop_words)
```

```
## Joining, by = "word"
```

```
wow_tibble #splitting tibble by words and removing stop words
```

```
## # A tibble: 404,475 x 2
##    linenumber word
##         <int> <chr>
##  1          1 snip
##  2          1 flamebait
##  3          1 remov
##  4          1 ive
##  5          1 busi
##  6          1 expans
##  7          1 releas
##  8          1 earlier
##  9          1 feel
## 10          1 log
## # ... with 404,465 more rows
```

```r
wow_counts <- wow_tibble %>% count(word, sort=TRUE)
wow_counts #sorting and counting the remaining words
```

```
## # A tibble: 21,194 x 2
##    word         n
##    <chr>    <int>
##  1 peopl     6764
##  2 realm     6746
##  3 game      4584
##  4 server    4192
##  5 time      4165
##  6 connect   4138
##  7 play      3107
##  8 player    3107
##  9 blizzard  2893
## 10 realli    2312
## # ... with 21,184 more rows
```

```r
wordcloud(wow_counts$word, wow_counts$n,
          min.freq=25, random.order=FALSE, colors=brewer.pal(8, "Dark2"))
```

```
## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : progress could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : reward could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : complain could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : anymor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : topic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : develop could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : support could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : queue could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : silvermoon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cours could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : page could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : suggest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : inform could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : minut could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ignor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : obvious could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : medium could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : launch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stay could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : view could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : decid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : system could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : togeth could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : peak could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : absolut could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : choic could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : avail could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : moment could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prefer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : type could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : comment could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mob could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : note could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : drop could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : includ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wors could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : correct could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : custom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : earlier could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : german could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : assum could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : profess could not be fit on page. It will not be plotted.

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## = FALSE, : repli could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : chat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : grind could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : discuss could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## = FALSE, : report could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## = FALSE, : prove could not be fit on page. It will not be plotted.

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## = FALSE, : aspect could not be fit on page. It will not be plotted.

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## = FALSE, : fine could not be fit on page. It will not be plotted.

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## = FALSE, : store could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stupid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : finish could not be fit on page. It will not be plotted.

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## = FALSE, : challeng could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : close could not be fit on page. It will not be plotted.
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```
## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hell could not be fit on page. It will not be plotted.

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## = FALSE, : reach could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : figur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : simpl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : minor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : instant could not be fit on page. It will not be plotted.

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## = FALSE, : break could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : restart could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : didnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : doubt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : half could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : origin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hellfir could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : notic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wast could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : forward could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : explain could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gold could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : casual could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : found could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : improv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gonna could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : luck could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : version could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : choos could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : event could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : import could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : model could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : larg could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : perfect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : usual could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : million could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wont could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : job could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : extrem could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : languag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : result could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : similar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : overal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : human could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : manag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : short could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : specif could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : respons could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : awesom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : effect could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cool could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : race could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fight could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hear could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lose could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mainten could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : trade could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : damn could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : insult could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : warcraft could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sound could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : raider could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : swc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : access could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : date could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pick could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unfortun could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : direct could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : return could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : outland could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : relat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : empti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : morn could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : suppos could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : alot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : count could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : annoy could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : respect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : technic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : told could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : featur could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : idiot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : special could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : screenshot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nobodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : subject could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : form could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mine could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : definit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : blade could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : social could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : solut could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : strong could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cataclysm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : affect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : claim could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : outsid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : valu could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : alon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ruin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : subscript could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : argent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : button could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : domin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mechan could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : argu could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mage could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : privat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : worri could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : heavi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : posit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dawn could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sylvana could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : admit could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : extra could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hold could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : multipl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : poster could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : difficulti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : imagin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pure could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : suck could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dps could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : easier could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : head could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rep could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : late could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : liter could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : surpris could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hey could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : regard could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rppvp could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rule could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spreadsheet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : demand could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : implement could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : slow could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : servic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tank could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : attack could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : frustrat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : joke could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : statement could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pass could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crap could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : discrimin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tag could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : glad could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : proof could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : team could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : difficult could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : moonglad could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : age could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : begin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : massiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spam could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : faster could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : min could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : write could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : addon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : meant could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : disagre could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : otherwis could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : decis could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : easili could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : concern could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : internet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : negat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ragnaro could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : repeat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : build could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : slight could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : worst could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : despit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : eye could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hardcor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : request could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : whine could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : avoid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : harder could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : legaci could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : poor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : battl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : depend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rate could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ratio could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : recent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rude could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : yesterday could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : green could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bigger could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : kinda could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mission could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : boost could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : screen could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lore could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ridicul could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : watch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : eventu could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : realis could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : atm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : heard could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : therefor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : timer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wednesday could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : darksorrow could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : process could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : promis could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cross could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : explor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fcm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lower could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : proper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : averag could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nostalgia could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : solv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : awar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : communic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hous could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : realiz could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : roleplay could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : focus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gather could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : god could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : reset could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : speed could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : subscrib could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : decent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : funni could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sleep could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : plenti could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : treat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : besid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : common could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ingam could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : program could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ring could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : success could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : healthi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mode could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : predict could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : amaz could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : appar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : brotherhood could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : doesnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : migrat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pointless could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : refer could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : afk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : blood could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : load could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : abus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : appli could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dragon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : imposs could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : purpos could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : upgrad could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : atleast could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : meet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mythic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : recruit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : valid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : walk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fcms could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : jump could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : useless could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : eonar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : kul could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lead could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mark could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : relev could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spec could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : btw could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : laugh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : logic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mistak could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rough could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : somewher could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : appreci could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : blame could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cartel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : flight could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : silver could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tire could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : travel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unlik could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : forget could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : friday could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : kick could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shut could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : accord could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : disappoint could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dream could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : paid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : attempt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : introduc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : natur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : throw could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : till could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : everybodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tira could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : action could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : craft could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : druid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : edg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : involv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : steamwheedl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : suffer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : combin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dislik could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : french could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : isnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : path could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stuck could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : attent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : deserv could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hammer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : interact could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mill could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : step could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tomorrow could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : assumpt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : collect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lgbt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : save could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stormrag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : vote could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : code could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : equal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shame could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bare could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : constant could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fulli could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gain could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hurt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : scenario could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tho could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gameplay could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : handl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : profit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : relationship could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shatar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : win could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bought could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : reput could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cancel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gnome could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : listen could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sign could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : target could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wrath could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : alakir could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : confus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : everywher could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : intent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : silli could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tbh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : toon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : benefit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : judg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spell could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sudden could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tini could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tool could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : twilight could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : competit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dentarg could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hide could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : timeless could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : excit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fall could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : knowledg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : potenti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : earthen could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : treasur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : uniqu could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : arena could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : behaviour could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : brought could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : home could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hug could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : truth could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : destroy could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : repres could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tarren could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : terribl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : truli could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : detail could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : flex could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rppve could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : white could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : signific could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : trust could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cover could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : messag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : orc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : soo could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : xp could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dude could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : earn could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : elf could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : heart could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : separ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sourc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : welcom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : auction could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : census could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lazi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pug could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : size could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : anachrono could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : excus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ofc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : respawn could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : thousand could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aswel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : attitud could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nagrand could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : odd could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pain could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : piec could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : push could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : whilst could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aim could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fault could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gender could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ing could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prime could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : anywher could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bulli could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bunch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : death could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gate could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : heal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : indic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : price could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : viabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wanna could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : broken could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : endgam could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : polit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : receiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stormwind could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : angri could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bgs could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : damag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : power could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : readi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : replac could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : test could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : xd could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aeri could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : alonsus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bfccffaf could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : chamber could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : express could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : horribl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : product could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : style could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : euro could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : experienc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : irrelev could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : quiet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : search could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bbebabd could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hunter could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ive could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lightbring could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mazrigo could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mmorpg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : respond could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sex could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : text could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ashran could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bias could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : complaint could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : individu could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ton could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : twist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : afraid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : debat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mate could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : skip could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : apexi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : darkmoon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : delet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : doubl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : healer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : impact could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : send could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : status could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : conclus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : imo could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rage could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sake could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : selfish could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : theori could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bronzebeard could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : doomhamm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : error could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ilvl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : period could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : regular could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : select could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : talent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : war could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : address could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : advantag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : construct could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cut could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : defin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : grow could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : incred could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : intend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : land could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : leader could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lucki could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nerf could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : object could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pandaria could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : feedback could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : goal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : monday could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spread could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : strang could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : voic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : warrior could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : estim could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mad could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pool could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prepar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : safe could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : slowli could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : solo could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : biggest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : delay could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : enabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : reduc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : specul could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : attract could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cash could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : draenei could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dumb could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hang could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : public could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stormscal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : comput could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : declin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : magtheridon could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : playerbas could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : project could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : scale could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : site could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : struggl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : troubl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : behav could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cyclon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : das could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gank could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : memori could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : naxx could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : parti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pictur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : popular could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ahead could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : function could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rush could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : standard could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : toxic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : copi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : encount could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : evid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : factor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : grant could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : guarante could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hellscream could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : russian could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unbalanc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : alter could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : concept could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : control could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : conveni could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dev could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : exclus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : herb could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : king could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : maximum could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : paladin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rang could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : veknilash could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wouldnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wrote could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : battleground could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bonus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : click could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crossrealm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : enter could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : finder could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : imbal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : light could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : offens could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : orient could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pair could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : core could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : critic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : defend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : der could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : enchant could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : insan could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : kazzak could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : maintain could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : npcs could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : remind could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : school could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : super could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wave could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : brain could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : consum could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : emerald could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : forgot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : legendari could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mass could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : method could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nether could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : numer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : qualiti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ran could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : serv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : azuremyst could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : children could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : environ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : favour could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : immedi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : impress could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : legion could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : maelstrom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : market could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : perspect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pls could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rogu could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sigh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : weird could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : altern could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : becam could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : carri could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : drakthul could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : highmaul could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ravencrest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : turalyon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : contact could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : extend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : genuin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : heavili could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : manner could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : realiti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ride could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : skullcrush could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : upset could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : chain could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : convers could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : henc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : larger could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : necessari could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prevent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : societi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spanish could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wise could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : written could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : beauti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : beta could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : comparison could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : expens could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : finger could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : flame could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : heck could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : homophob could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : invest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : loss could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : middl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : retard could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : switch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unfair could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : user could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : approach could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : basi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dedic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : incom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : minimum could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : opposit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : orgrimmar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pack could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : risk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : screw could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shrine could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : skin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tast could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : warlord could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : advic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : channel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : desper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : entertain could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : exclud could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : faith could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fish could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : folk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gamer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hunt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : insid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : iron could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : terena could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : touch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : weak could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : charg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : goblin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mmos could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : neptulon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : occur could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : overcrowd could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : quelthala could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : schedul could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : silent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : whisper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : anybodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : asid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : azeroth could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cooldown could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fire could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fresh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : login could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nope could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : realmpop could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tonight could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : virtual could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cheer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : client could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : encourag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : explan could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fee could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fellow could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nowaday could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : offend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : particip could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : piss could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : round could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : satisfi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : space could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : apolog could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : deecbadc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : desir could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : entitl could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : entri could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : forev could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : freedom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : outnumb could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pathet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wall could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wipe could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : deathw could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : describ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : downvot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : draw could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fantasi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : motiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prioriti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rais could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : recal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : reflect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : thrall could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : video could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : weekend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : appeal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cluster could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crowd could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : frostwhisp could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lowest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ninja could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nonsens could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : npc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : omg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : patient could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : puzzl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sick could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : transmog could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unsub could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : weapon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : xavius could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : assur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : batol could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : curious could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : grim could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hrs could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : konsortium could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : map could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mere could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mix could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : occasion could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : offlin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : reaction could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : thx could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : track could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wasnt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aint could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : comfort could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : front could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : guildi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : journey could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : key could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mandatori could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mental could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : role could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : split could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stage could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : deep could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : drake could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : feeec could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : grp could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : kult could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : matur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : merger could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : patienc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : plain could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : refus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shock could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : structur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aq could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bump could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : contribut could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dozen could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : havent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : histori could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : saurfang could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : somebodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tabl could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tauren could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : auchindoun could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : book could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : child could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cultur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : emot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : endless could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : justifi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : malgani could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : physic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : plz could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : priest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stormreav could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wpvp could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wtf could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : afford could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : clue could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : essenti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : freak could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hint could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ident could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mail could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mvp could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : necessarili could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : oppos could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pace could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : staff could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : storylin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : twitter could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : whenev could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bank could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : databas could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dfbdfbbc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fool could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : generat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : moan could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : noob could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : parent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : religion could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shadowsong could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : arriv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : catch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : darkspear could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : garrosh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : heirloom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hub could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : impli could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : monk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : research could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : restrict could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sunday could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : suspect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : whatsoev could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : eta could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : expac could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : extent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fals could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : math could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pattern could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : percentag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : practic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shift could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sight could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tree could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : typic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : upcom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : water could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : yea could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : alright could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : automat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bear could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : blackrock could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crazi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crusad could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : host could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mvps could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pound could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : qq could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : record could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : statist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ticket could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wear could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : yay could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : air could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : belong could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : car could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cheat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crystal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : drive could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : intern could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : materi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : noon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : portal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : purchas could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sole could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stone could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : town could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : typo could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unhappi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : advanc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : afternoon could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : batch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bleed could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : capac could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : capit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : corps could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : expir could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : inact could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : loos could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : moder could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : saturday could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shaman could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sooner could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : toler could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : window could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wing could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : worgen could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : beat could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bed could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bronz could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bs could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bull could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cheap could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : chore could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : closer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : commit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : complic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : contin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crash could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ensur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : master could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nemesi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : neutral could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : postpon could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rank could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : suit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : behavior could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : burst could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : concentr could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ddaebafffd could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : eat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : elsewher could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : engag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : famili could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ghost could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : graphic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hero could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : panda could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : peac could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : press could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rerol could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shatter could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : solid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : spare could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : swap could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tactic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : teach could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : undead could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : woman could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : adult could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bloodi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : calm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : childish could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : circumst could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : convinc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : couldnt could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : deliv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : display could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : enemi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : expand could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fantast could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : financi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : frost could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : girl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ilevel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : linear could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : proud could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : react could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : realist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rise could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : road could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : scene could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shop could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shown could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stronger could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : thunder could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : uk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wherea could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wowprogress could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : yep could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : arent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : battletag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : boy could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cater could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : chose could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : clarifi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cms could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : colour could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crzs could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : danger could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dare could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : educ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : engin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fraction could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : health could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lame could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : march could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nefarian could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : opportun could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : portion could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pretend could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rpg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : secret could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : seek could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shape could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shoot could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sporeggar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tough could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : univers could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unknown could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : upload could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : yell could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aggramar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : backward could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bash could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : battlegroup could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : box could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cuz could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : deni could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : disgust could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : drag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : excel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gms could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : haha could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : honor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nightmar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : north could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : protect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : surviv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tedious could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ugli could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unfinish could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ye could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : advertis could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : blind could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : blunt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bottom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bound could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : camper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : combat could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : consequ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : depress could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : disabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : divers could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : elitist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : equip could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : exp could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : forgotten could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : frostman could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : glass could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hordi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ideal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : influenc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : instal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nowher could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : organis could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : perform could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : polici could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : runetotem could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : threat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tip could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : understood could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wide could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aka could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aszun could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bcb could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : countless could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ddd could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : decemb could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : degre could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ding could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : everyday could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : favor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gap could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gotta could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : insight could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ironi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : kilrogg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : label could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lowmedium could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lvling could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : partner could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : precataclysm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : produc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : proven could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : skull could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : warn could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : women could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : adventur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bladefist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : censusplus could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : depth could not be fit on page. It will not be plotted.

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## = FALSE, : dfbac could not be fit on page. It will not be plotted.

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## = FALSE, : don could not be fit on page. It will not be plotted.

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## = FALSE, : don't could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ds could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : feather could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : feed could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : gem could not be fit on page. It will not be plotted.

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## = FALSE, : grindi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hardwar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : harm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : harsh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hmm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hole could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hp could not be fit on page. It will not be plotted.

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## = FALSE, : jerk could not be fit on page. It will not be plotted.

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## = FALSE, : organ could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : perman could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pic could not be fit on page. It will not be plotted.

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## = FALSE, : pre could not be fit on page. It will not be plotted.

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## = FALSE, : scarshield could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : silenc could not be fit on page. It will not be plotted.

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## = FALSE, : summon could not be fit on page. It will not be plotted.

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## = FALSE, : tanaan could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : warlock could not be fit on page. It will not be plotted.

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## = FALSE, : adjust could not be fit on page. It will not be plotted.

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## = FALSE, : aggra could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : background could not be fit on page. It will not be plotted.

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## = FALSE, : beg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bloodhoof could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : discov could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dragonblight could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : earth could not be fit on page. It will not be plotted.

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## = FALSE, : economi could not be fit on page. It will not be plotted.

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : execut could not be fit on page. It will not be plotted.

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hype could not be fit on page. It will not be plotted.

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## = FALSE, : premad could not be fit on page. It will not be plotted.

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## = FALSE, : smooth could not be fit on page. It will not be plotted.

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stereotyp could not be fit on page. It will not be plotted.

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## = FALSE, : tab could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : thumb could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : accomplish could not be fit on page. It will not be plotted.

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## = FALSE, : anonym could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : arcan could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bodi could not be fit on page. It will not be plotted.

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## = FALSE, : complex could not be fit on page. It will not be plotted.

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## = FALSE, : diablo could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : googl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : law could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : match could not be fit on page. It will not be plotted.

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## = FALSE, : octob could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : offic could not be fit on page. It will not be plotted.

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## = FALSE, : passion could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prior could not be fit on page. It will not be plotted.

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## = FALSE, : pro could not be fit on page. It will not be plotted.

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## = FALSE, : pvper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : reali could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : realmpool could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : segreg could not be fit on page. It will not be plotted.

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## = FALSE, : shini could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : slower could not be fit on page. It will not be plotted.

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## = FALSE, : stress could not be fit on page. It will not be plotted.

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## = FALSE, : survey could not be fit on page. It will not be plotted.

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## = FALSE, : vari could not be fit on page. It will not be plotted.

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## = FALSE, : vendor could not be fit on page. It will not be plotted.

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## = FALSE, : victim could not be fit on page. It will not be plotted.

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## = FALSE, : wich could not be fit on page. It will not be plotted.

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## = FALSE, : zenedar could not be fit on page. It will not be plotted.

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## = FALSE, : arrog could not be fit on page. It will not be plotted.

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## = FALSE, : azjol could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bag could not be fit on page. It will not be plotted.

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## = FALSE, : boredom could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : built could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : calcul could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : card could not be fit on page. It will not be plotted.

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## = FALSE, : cast could not be fit on page. It will not be plotted.

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## = FALSE, : eh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : evil could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fewer could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : food could not be fit on page. It will not be plotted.

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## = FALSE, : hors could not be fit on page. It will not be plotted.

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## = FALSE, : moron could not be fit on page. It will not be plotted.

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## = FALSE, : observ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pandaren could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : red could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : represent could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : slightest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sum could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : treatment could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : trial could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ultim could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : warcraftrealm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : xpac could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : accus could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : battlenet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : capabl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : cloth could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : context could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : crippl could not be fit on page. It will not be plotted.

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : harass could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : legal could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : music could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : overpopul could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : premium could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : proudmoor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : questlin could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shout could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : swtor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : thrown could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tldr could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : twink could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : valor could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : won could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : abandon could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ball could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : color could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : consist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : excess could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : grasp could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : guid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hes could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : hilari could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : invas could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : magic could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : meh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mid could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nativ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : net could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : nostalg could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : passiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : perk could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pixel could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : precis could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prepatch could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prize could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : prune could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : resort could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : septemb could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : superior could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sweet could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : terokkar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tune could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wake could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : whiner could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : clarif could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : condit could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : efeefef could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : element could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : eq could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : failur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : giant could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : greedi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : legit could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : lone could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mistaken could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : mouth could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : necro could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sentenc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : settl could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : technolog could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : trash could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : trivial could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unaccept could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unlock could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : vaniti could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : vashj could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ventur could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aggress could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : anytim could not be fit on page. It will not be plotted.
```

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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : arm could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : associ could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : babi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : belief could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : contest could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : counter could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dollar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dwarf could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : file could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : flag could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : foot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : huh could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : inn could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : movement could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : oper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : pr could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : presum could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : remot could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : resolv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : retro could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : revamp could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : seper could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : shove could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sticki could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : task could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tech could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : thunderhorn could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ulduar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : wcr could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : worthless could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : yup could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : adapt could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : addict could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : anger could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : asap could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : assist could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : attach could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : brother could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : campaign could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : chines could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : chosen could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dalaran could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : decreas could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : disappear could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dunno could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : employe could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : fake could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : finnish could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : insta could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : meanwhil could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : misunderstand could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ofcours could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : partial could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : phrase could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : publish could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rat could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : relax could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : resub could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : rock could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : scare could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sink could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : snowflak could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : softwar could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : speaker could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : ss could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stallion could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : stun could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sunstrid could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : sw could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : tear could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : unsubscrib could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : weaker could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : achiv could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : allreadi could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : approx could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : audienc could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : aviana could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : award could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : bliz could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : corner could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dark could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : dragonflight could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : elect could not be fit on page. It will not be plotted.

## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : en could not be fit on page. It will not be plotted.
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
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## Warning in wordcloud(wow_counts$word, wow_counts$n, min.freq = 25, random.order
## = FALSE, : worthwhil could not be fit on page. It will not be plotted.
```

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anoth
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merg
guild
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```r
  #creating word cloud
```

```r
wow_bigrams <- tibble(txt = wow_posts$html_message) %>%
  unnest_tokens(bigram, txt, token = "ngrams", n = 2)
wow_bigrams #split original tibble into two-word bigrams
```

```
## # A tibble: 551,023 x 1
##    bigram
##    <chr>
##  1 snip flamebait
##  2 flamebait remov
##  3 remov ive
##  4 ive never
##  5 never busi
##  6 busi expans
##  7 expans releas
##  8 releas earlier
##  9 earlier instead
## 10 instead feel
## # ... with 551,013 more rows
```

```r
wow_bigrams <- wow_bigrams %>%
      separate(bigram, c("word1", "word2"), sep = " ")
wow_bigrams #separating them out for easier cleaning
```

```
## # A tibble: 551,023 x 2
##    word1     word2
##    <chr>     <chr>
##  1 snip      flamebait
##  2 flamebait remov
##  3 remov     ive
##  4 ive       never
##  5 never     busi
##  6 busi      expans
##  7 expans    releas
##  8 releas    earlier
##  9 earlier   instead
## 10 instead   feel
## # ... with 551,013 more rows
```

```r
wow_bigrams <- wow_bigrams %>%
      filter(!word1 %in% stop_words$word) %>%
      filter(!word2 %in% stop_words$word)
wow_bigrams #filtering out unwanted words
```

```
## # A tibble: 282,808 x 2
##    word1     word2
##    <chr>     <chr>
##  1 snip      flamebait
##  2 flamebait remov
##  3 remov     ive
```

```
##  4 busi      expans
##  5 expans    releas
##  6 releas    earlier
##  7 log       bore
##  8 bore      daili
##  9 daili     quest
## 10 creat     gear
## # ... with 282,798 more rows
```

```
wow_bigrams <- wow_bigrams %>%
            filter(!is.na(word1)) %>%
            filter(!is.na(word2))
wow_bigrams #removing null values
```

```
## # A tibble: 282,464 x 2
##    word1     word2
##    <chr>     <chr>
##  1 snip      flamebait
##  2 flamebait remov
##  3 remov     ive
##  4 busi      expans
##  5 expans    releas
##  6 releas    earlier
##  7 log       bore
##  8 bore      daili
##  9 daili     quest
## 10 creat     gear
## # ... with 282,454 more rows
```

```
wow_bigrams <- wow_bigrams %>%
            unite(bigram, word1, word2, sep=" ")
wow_bigrams #joining the words back together
```

```
## # A tibble: 282,464 x 1
##    bigram
##    <chr>
##  1 snip flamebait
##  2 flamebait remov
##  3 remov ive
##  4 busi expans
##  5 expans releas
##  6 releas earlier
##  7 log bore
##  8 bore daili
##  9 daili quest
## 10 creat gear
## # ... with 282,454 more rows
```

```
wow_bigram_counts <- wow_bigrams %>% count(bigram, sort=TRUE)
wow_bigram_counts #counting and sorting bigrams
```

```
## # A tibble: 183,782 x 2
```

```
##    bigram             n
##    <chr>          <int>
##  1 connect realm    599
##  2 realm connect    392
##  3 pvp realm        341
##  4 play game        334
##  5 pve realm        270
##  6 mani peopl       255
##  7 classic server   253
##  8 vanilla server   234
##  9 rp realm         222
## 10 lot peopl        211
## # ... with 183,772 more rows
```

```
wow_bigram_counts %>%
  filter(str_detect(wow_bigram_counts$bigram,"[0-9]", negate = TRUE)) -> wow_bigram_counts
wow_bigram_counts #removing any bigrams with numbers
```

```
## # A tibble: 183,782 x 2
##    bigram             n
##    <chr>          <int>
##  1 connect realm    599
##  2 realm connect    392
##  3 pvp realm        341
##  4 play game        334
##  5 pve realm        270
##  6 mani peopl       255
##  7 classic server   253
##  8 vanilla server   234
##  9 rp realm         222
## 10 lot peopl        211
## # ... with 183,772 more rows
```

```
wow_filtered_bigrams <- wow_bigram_counts %>%
                  filter(n >= 4)
wow_filtered_bigrams #sorting remaining bigrams with a frequency of 4 or more
```

```
## # A tibble: 8,398 x 2
##    bigram             n
##    <chr>          <int>
##  1 connect realm    599
##  2 realm connect    392
##  3 pvp realm        341
##  4 play game        334
##  5 pve realm        270
##  6 mani peopl       255
##  7 classic server   253
##  8 vanilla server   234
##  9 rp realm         222
## 10 lot peopl        211
## # ... with 8,388 more rows
```

```r
wow_separated_bigrams <- wow_filtered_bigrams %>%
  select("bigram") %>%
  separate(bigram, c("word1", "word2"), sep = " ")
wow_separated_bigrams #separating bigrams again, preparing for graphical representation
```

```
## # A tibble: 8,398 x 2
##    word1   word2
##    <chr>   <chr>
##  1 connect realm
##  2 realm   connect
##  3 pvp     realm
##  4 play    game
##  5 pve     realm
##  6 mani    peopl
##  7 classic server
##  8 vanilla server
##  9 rp      realm
## 10 lot     peopl
## # ... with 8,388 more rows
```

```r
wow_bigram_graph <- wow_separated_bigrams %>%
                  graph_from_data_frame()
wow_bigram_graph #creating bigram graph
```

```
## IGRAPH f14b361 DN-- 1898 8398 --
## + attr: name (v/c)
## + edges from f14b361 (vertex names):
##  [1] connect->realm       realm  ->connect     pvp    ->realm
##  [4] play   ->game        pve    ->realm       mani   ->peopl
##  [7] classic->server      vanilla->server      rp     ->realm
## [10] lot    ->peopl       classic->realm       fli    ->mount
## [13] popul  ->realm       peopl  ->play        argent ->dawn
## [16] hellfir->hellfir     low    ->popul       confirm->kill
## [19] play   ->wow         vanilla->realm       max    ->level
## [22] real   ->life        world  ->warcraft    defia  ->brotherhood
## + ... omitted several edges
```

```r
ggraph(wow_bigram_graph, layout = "fr") +
  geom_edge_link() +
  geom_node_point() +
  geom_node_text(aes(label = name), vjust = 1, hjust = 1)
```

```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <81>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>
```

```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <b2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <b5>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <b6>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <b5>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <b2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <b0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <82>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <b5>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <bb>
```

```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '      ' in 'mbcsToSbcs': dot substituted for <8c>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <b2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <b5>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <87>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <bd>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <b0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <8f>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <b4>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <d1>
```

```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <83>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '  ' in 'mbcsToSbcs': dot substituted for <88>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <bf>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <b5>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <81>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d0>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <bd>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <d1>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on '   ' in 'mbcsToSbcs': dot substituted for <8f>
```

## Step 5: Predictive modelling

### Initial setup

```
train_balanced$is_bullying = as.factor(train_balanced$is_bullying)
test_balanced$is_bullying = as.factor(test_balanced$is_bullying)

train_control = trainControl(method = "cv", number = 5)
```

### SVM

```
set.seed(42)

tic()

svm_model = caret::train(is_bullying~., data=train_balanced , method =  "svmLinear" , trControl = train_
```

```
## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.
```

```
## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.
```

```
svm_toc <- toc(quiet=T)

svm_time_taken <- svm_toc$toc - svm_toc$tic
svm_pred_y = predict(svm_model, test_balanced)
```

#### MLP

```
set.seed(42)
tic()

mlp_model = caret::train(is_bullying~., data=train_balanced , method =  "mlp" , trControl = train_contro
mlp_toc <- toc(quiet=T)

mlp_time_taken <- mlp_toc$toc - mlp_toc$tic
mlp_pred_y = predict(mlp_model, test_balanced)
```

#### glmnet

```
set.seed(42)

tic()

glmnet_model = caret::train(is_bullying~., data=train_balanced , method = "glmnet" , trControl = train_c
glmnet_toc <- toc(quiet=T)

glmnet_time_taken <- glmnet_toc$toc - glmnet_toc$tic
glmnet_pred_y = predict(glmnet_model, test_balanced)
```

### Step 6: Hyperparameter Tuning

```
random_train_control_grid = caret::trainControl(method="cv", number=3, search="random")
```

We decided to go with a random grid search as it simplified the process of hyperparameter tuning as it removed any potential biases that may occur from an uneven distribution of knowledge for the different models trained (i.e. we thought that a random grid search would be much more consistent when comparing tuned models).

### SVM Linear kernel

```
set.seed(42)

tic()

svm_linear_tuned = caret::train(is_bullying~ ., data = train_balanced, method = "svmLinear", trControl =
```

```
## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.
```

```
svm_linear_tuned_toc = toc(quiet=T)
svm_linear_tuned_time_taken <- svm_linear_tuned_toc$toc - svm_linear_tuned_toc$tic
svm_tuned_pred_y = predict(svm_linear_tuned, test_balanced)
```

### SVM Polynomial kernel

```
set.seed(42)

tic()

svm_model_poly = caret::train(is_bullying~ ., data = train_balanced, method = "svmPoly", trControl = ran
```

```
## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.
```

```
svm_poly_toc = toc(quiet=T)

svm_poly_tuned_time_taken = svm_poly_toc$toc - svm_poly_toc$tic
svm_poly_pred_y = predict(svm_model_poly, test_balanced)
```

### SVM RBF Kernel

```
set.seed(42)

tic()

svm_model_rbf = caret::train(is_bullying~ ., data = train_balanced, method = "svmRadial", trControl = ra
```

```
## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.
```

```
## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.

## Warning in .local(x, ...): Variable(s) `' constant. Cannot scale data.
```

```
svm_rbf_toc = toc(quiet=T)

# summarizing the results
svm_rbf_tuned_time_taken = svm_rbf_toc$toc - svm_rbf_toc$tic
svm_rbf_pred_y = predict(svm_model_rbf, test_balanced)
```

### MLP Tuned

```
set.seed(42)

tic()

mlp_model_tuned = caret::train(is_bullying~ ., data = train_balanced, method = "mlp", trControl = rando

mlp_toc = toc(quiet=T)

mlp_tuned_time_taken = mlp_toc$toc - mlp_toc$tic
mlp_tuned_pred_y = predict(mlp_model_tuned, test_balanced)
```

### GLMNET Tuned

```
set.seed(42)

tic()

glm_tuned_model = caret::train(is_bullying~., data=train_balanced , method = "glmnet" , trControl = ran
glm_tuned_toc <- toc(quiet=T)

glm_tuned_time_taken <- glm_tuned_toc$toc - glm_tuned_toc$tic
glm_tuned_pred_y = predict(glm_tuned_model, test_balanced)
```

## Step 7: Evaluation

For this evaluation, we wanted a comprehensive evaluation of the models involved using key metrics such as recall, precision, f1 score, the time taken to train the models and more to give a better idea as to which models perform best. However, we think that the F1 score is the most important metric as we believe that a cyberbullying classifier should minimize the number of false positives (i.e. people who haven't actually bullied anybody) and false negatives (i.e. bullies that haven't been identified). The F1 score acts as a trade-off between precision and recall which is exactly what we need. The F1 score is also robust against uneven class distributions unlike accuracy which gives us flexibility in how we should tweak pre-processing.

We have utilised the following to create an effective evaluation: 1. Created confusion matrices that illustrate where misclassifications are taking place 2. Plotted ROC curves to display the model performance 3. Created a table of metrics showing the recall, precision, f1 score and the time taken to train the models We wanted to show how long it took to train each model as this would help identify production costs for each model (the models would take much longer to train on big batches of data).

### Creating confusion matrices

```
svm_confusion_matrix <- caret::confusionMatrix(svm_pred_y, test_balanced$is_bullying)
mlp_confusion_matrix <- caret::confusionMatrix(mlp_pred_y, test_balanced$is_bullying)
glm_confusion_matrix <- caret::confusionMatrix(glmnet_pred_y, test_balanced$is_bullying)
```

```
svm_confusion_matrix
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction   0   1
##          0 120  47
##          1  32 111
##
##                Accuracy : 0.7452
##                  95% CI : (0.6928, 0.7927)
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : <2e-16
##
##                   Kappa : 0.4911
##
##  Mcnemar's Test P-Value : 0.1152
##
```

```
##             Sensitivity : 0.7895
##             Specificity : 0.7025
##          Pos Pred Value : 0.7186
##          Neg Pred Value : 0.7762
##              Prevalence : 0.4903
##          Detection Rate : 0.3871
##    Detection Prevalence : 0.5387
##       Balanced Accuracy : 0.7460
##
##        'Positive' Class : 0
##
```

```
mlp_confusion_matrix
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction   0   1
##          0 108  38
##          1  44 120
##
##                Accuracy : 0.7355
##                  95% CI : (0.6827, 0.7837)
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : 3.742e-16
##
##                   Kappa : 0.4704
##
##  Mcnemar's Test P-Value : 0.5808
##
##             Sensitivity : 0.7105
##             Specificity : 0.7595
##          Pos Pred Value : 0.7397
##          Neg Pred Value : 0.7317
##              Prevalence : 0.4903
##          Detection Rate : 0.3484
##    Detection Prevalence : 0.4710
##       Balanced Accuracy : 0.7350
##
##        'Positive' Class : 0
##
```

```
glm_confusion_matrix
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction   0   1
##          0 134  52
##          1  18 106
##
##                Accuracy : 0.7742
##                  95% CI : (0.7235, 0.8195)
```

```
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : < 2.2e-16
##
##                   Kappa : 0.5501
##
##  Mcnemar's Test P-Value : 8.005e-05
##
##             Sensitivity : 0.8816
##             Specificity : 0.6709
##          Pos Pred Value : 0.7204
##          Neg Pred Value : 0.8548
##              Prevalence : 0.4903
##          Detection Rate : 0.4323
##    Detection Prevalence : 0.6000
##       Balanced Accuracy : 0.7762
##
##        'Positive' Class : 0
##
```

When examining these confusion matrices, it would appear that the number of false positives (i.e. falsely classifying a post as cyberbullying) is the differentiating factor in terms of f1-score as the glmnet model has the least amount of false positives and it has the greatest f1-score (as we can see in the table of metrics below).

```
svm_linear_tuned_cf_matrix <- caret::confusionMatrix(svm_tuned_pred_y, test_balanced$is_bullying)
svm_poly_cf_matrix <- caret::confusionMatrix(svm_poly_pred_y, test_balanced$is_bullying)
svm_rbf_cf_matrix <- caret::confusionMatrix(svm_rbf_pred_y, test_balanced$is_bullying)

mlp_tuned_cf_matrix <- caret::confusionMatrix(mlp_tuned_pred_y, test_balanced$is_bullying)
glm_tuned_cf_matrix <- caret::confusionMatrix(glm_tuned_pred_y, test_balanced$is_bullying)
```

Here we create confusion matrices to get values such as F1 score, precision and recalls.

```
svm_linear_tuned_cf_matrix
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction   0   1
##          0 122  54
##          1  30 104
##
##                Accuracy : 0.729
##                  95% CI : (0.6759, 0.7777)
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : 2.621e-15
##
##                   Kappa : 0.4595
##
##  Mcnemar's Test P-Value : 0.01209
##
##             Sensitivity : 0.8026
##             Specificity : 0.6582
```

```
##          Pos Pred Value : 0.6932
##          Neg Pred Value : 0.7761
##              Prevalence : 0.4903
##          Detection Rate : 0.3935
##    Detection Prevalence : 0.5677
##       Balanced Accuracy : 0.7304
##
##        'Positive' Class : 0
##
```

```
svm_poly_cf_matrix
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction   0   1
##          0 127  54
##          1  25 104
##
##                Accuracy : 0.7452
##                  95% CI : (0.6928, 0.7927)
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : < 2.2e-16
##
##                   Kappa : 0.492
##
##  Mcnemar's Test P-Value : 0.001631
##
##             Sensitivity : 0.8355
##             Specificity : 0.6582
##          Pos Pred Value : 0.7017
##          Neg Pred Value : 0.8062
##              Prevalence : 0.4903
##          Detection Rate : 0.4097
##    Detection Prevalence : 0.5839
##       Balanced Accuracy : 0.7469
##
##        'Positive' Class : 0
##
```

```
svm_rbf_cf_matrix
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction   0   1
##          0 117  47
##          1  35 111
##
##                Accuracy : 0.7355
##                  95% CI : (0.6827, 0.7837)
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : 3.742e-16
```

```
##
##                   Kappa : 0.4716
##
##  Mcnemar's Test P-Value : 0.2245
##
##             Sensitivity : 0.7697
##             Specificity : 0.7025
##          Pos Pred Value : 0.7134
##          Neg Pred Value : 0.7603
##              Prevalence : 0.4903
##          Detection Rate : 0.3774
##    Detection Prevalence : 0.5290
##       Balanced Accuracy : 0.7361
##
##        'Positive' Class : 0
##
```

```
mlp_tuned_cf_matrix
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction   0   1
##          0 118  44
##          1  34 114
##
##                Accuracy : 0.7484
##                  95% CI : (0.6962, 0.7957)
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : <2e-16
##
##                   Kappa : 0.4972
##
##  Mcnemar's Test P-Value : 0.3082
##
##             Sensitivity : 0.7763
##             Specificity : 0.7215
##          Pos Pred Value : 0.7284
##          Neg Pred Value : 0.7703
##              Prevalence : 0.4903
##          Detection Rate : 0.3806
##    Detection Prevalence : 0.5226
##       Balanced Accuracy : 0.7489
##
##        'Positive' Class : 0
##
```

It would appear that tuning MLP parameters through random grid search has actually decreased the accuracy of the model.

```
glm_tuned_cf_matrix
```

```
## Confusion Matrix and Statistics
```

```
##
##           Reference
## Prediction   0   1
##          0 138  65
##          1  14  93
##
##                Accuracy : 0.7452
##                  95% CI : (0.6928, 0.7927)
##     No Information Rate : 0.5097
##     P-Value [Acc > NIR] : < 2.2e-16
##
##                   Kappa : 0.4934
##
##  Mcnemar's Test P-Value : 1.85e-08
##
##             Sensitivity : 0.9079
##             Specificity : 0.5886
##          Pos Pred Value : 0.6798
##          Neg Pred Value : 0.8692
##              Prevalence : 0.4903
##          Detection Rate : 0.4452
##    Detection Prevalence : 0.6548
##       Balanced Accuracy : 0.7483
##
##        'Positive' Class : 0
##
```

### ROC Curves

```
plot_roc_curves <- function(model_1_pred_y, model_2_pred_y, model_3_pred_y, model_names) {
  model_1_pred_y <- as.numeric(levels(model_1_pred_y))[model_1_pred_y]
  model_2_pred_y <- as.numeric(levels(model_2_pred_y))[model_2_pred_y]
  model_3_pred_y <- as.numeric(levels(model_3_pred_y))[model_3_pred_y]

  par(pty="s")
  model_1_roc <- roc(test_balanced$is_bullying~model_1_pred_y, plot=TRUE, print.auc=TRUE, col="red", lwd
  model_2_roc <- roc(test_balanced$is_bullying~model_2_pred_y, plot=TRUE, print.auc=TRUE, print.auc.y=0
  model_3_roc <- roc(test_balanced$is_bullying, model_3_pred_y, plot=TRUE, print.auc=TRUE, print.auc.y=0

  legend("bottomright", legend=model_names, col=c("red", "blue", "green"), lwd=4)
}
```

```
plot_roc_curves(svm_pred_y, mlp_pred_y, glmnet_pred_y, c("SVM", "MLP", "GLMNET"))
```

### Non-tuned models

```
## Setting levels: control = 0, case = 1
```

```
## Setting direction: controls < cases
```

```
## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases
```

```
plot_roc_curves(svm_tuned_pred_y, svm_poly_pred_y, svm_rbf_pred_y, c("SVM Linear", "SVM Poly", "SVM RBF
```

**Comparing tuned SVM models**

```
## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1
```

```
## Setting direction: controls < cases
```

It would appear that the polynomial kernel is most suitable for bullying classification. We will compare this SVM model that uses the polynomial kernel with other models.

```
plot_roc_curves(svm_poly_pred_y, mlp_tuned_pred_y, glm_tuned_pred_y, c("SVM Poly", "MLP Tuned", "GLMNET
```

**Tuned models**

```
## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases
```

This code creates ROC curves for each model with different colours. We then print the AUC values for each curve.

### Table of metrics

**Calculating metrics** For each model, we will be calculating the evaluation metrics we will be using (time taken, precision, sensitivity, f1 score, AUC) to create a table of metrics which can be used to evaluate each model. We are acquiring the time taken to train each model to see how practical the models would be if the models were to be trained continuously with new data in terms of computation. While it doesn't take that long to train the models with the sample data, it would take much longer if there was more data.

```
create_table <- function(prediction_list, time_to_train_c) {
  Model_Name = names(prediction_list)
  Precision = c()
  Recall = c()
  F1_Score = c()
  AUC = c()
  Time_to_Train_secs = time_to_train_c

  for (prediction_y in prediction_list) {
    Precision <- append(Precision, precision(prediction_y, test_balanced$is_bullying))
    Recall <- append(Recall, recall(prediction_y, test_balanced$is_bullying))
    F1_Score <- append(F1_Score, F_meas(prediction_y, test_balanced$is_bullying))
    AUC <- append(AUC, auc(test_balanced$is_bullying, as.integer(prediction_y)))
  }
```

```
  results <- data.frame(Model_Name, Precision, Recall, F1_Score, AUC, Time_to_Train_secs)
  return(results)
}
```

```
prediction_list = list(svm_linear = svm_tuned_pred_y, svm_poly = svm_poly_pred_y, svm_rbf = svm_rbf_pre
time_to_train = c(svm_time_taken, svm_poly_tuned_time_taken, svm_rbf_tuned_time_taken, mlp_time_taken, 
results = create_table(prediction_list, time_to_train)
```

```
## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases
```

```
results
```

```
##   Model_Name Precision    Recall  F1_Score       AUC Time_to_Train_secs
## 1 svm_linear 0.6931818 0.8026316 0.7439024 0.7304297               4.47
## 2   svm_poly 0.7016575 0.8355263 0.7627628 0.7468771               8.66
## 3    svm_rbf 0.7134146 0.7697368 0.7405063 0.7361342               9.40
## 4        mlp 0.7283951 0.7763158 0.7515924 0.7489174             116.72
## 5     glmnet 0.6798030 0.9078947 0.7774648 0.7482512               6.14
```

From these results, it would appear that the glmnet logistic regression model has the greatest performance as it has the greatest F1 score (81%) and AUC score. It is also relatively quick to train which can reduce costs if deployed in a large-scale system where the model may be continuously trained with new data. However, the SVM model with a polynomial kernel appears to be slightly better in terms of recall than the glmnet model. However, this difference is very small to where it won't really amount to anything.

We can also see that the mlp model performed the worst as it took a long time to train on a relatively small sample of data (almost 2 minutes) and it has the worst F1 and AUC scores where the F1 score was 66% whilst the AUC was 69%. ### Output evaluation results

```
write.csv(results, "Data/results.csv")
```

We output the table results to a csv file to make it easy to share results with other group members.

# Individual contributions

## Thomas Newton

INSERT HERE ## Leon Harper INSERT HERE ## Michal Jedruszczak In this project I was responsible for the preliminary EDA and the final EDA. I also created the contents section and made sure that all of the references were in MMU Harvard format.

# References


Bretschneider, U. and Peters, R. "Detecting Cyberbullying in Online Communities" (2016). *Research Papers*. Paper 61. http://aisel.aisnet.org/ecis2016_rp/61

Hate is No Game: Harassment and Positive Social Experiences in Online Games 2021 (2022) ADL. Anti-Defamation League. Available at: https://www.adl.org/resources/report/hate-no-game-harassment-and-positive-social-experiences-online-games-2021 (Accessed: November 19, 2022).