

# Username and Colors Sample

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```
library("readr")
dataframe <- read_csv("twitch-chat-2236538812.csv")

## Rows: 20312 Columns: 4
## -- Column specification -----
## Delimiter: ","
## chr (3): user_name, user_color, message
## dbl (1): time
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

## Top 20 Chatters

```
usernames <- dataframe[, 2]
count_chat <- table(usernames)
sorted_chat_number <- rev(sort(count_chat))
names(sorted_chat_number)[15] <- "m_silveira" # japanese characters removed
head(sorted_chat_number, 20)
```

##	nightbot	pebbels21	zhe_benis	zyzyho
##	320	173	146	143
##	risky_whisky_	shnup	mustek	shuckhax123
##	141	140	137	134
##	hawkeyeoftht8875	kinghazer	tax_tq	phiixate
##	124	123	118	117
##	woaeo	hachimitsuu28	m_silveira	unforgiven165
##	116	115	114	114
##	olrded	aoif	xyzzzzz__	mytreehard
##	112	108	105	103

```
mean_chat <- mean(count_chat)
mean_chat
```

```
## [1] 6.818395
```

The mean number of messages a chatter sends out is 6.82.

```
unique_usernames <- unique(usernames)
nrow(unique_usernames)
```

```
## [1] 2979
```

There are **2979** unique people who chatted.

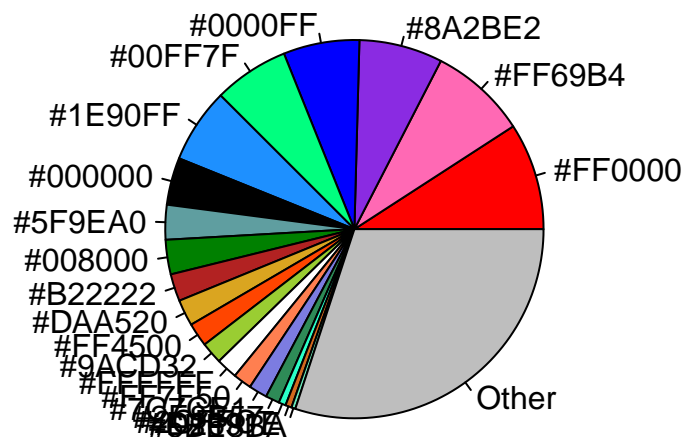
## Top 20 Colors

```
color <- dataframe[, 3]
sorted_color <- sort(table(color), decreasing = TRUE)
larger_color <- head(sorted_color, 20)
larger_color
```

```
## user_color
## #FF0000 #FF69B4 #8A2BE2 #0000FF #00FF7F #1E90FF #000000 #5F9EA0 #008000 #B22222
##      1858      1685      1449      1320      1307      1297      820      603      599      473
## #DAA520 #FF4500 #9ACD32 #FFFFFF #FF7F50 #7C7CE1 #2E8B57 #2CFFC7 #D2691E #6BE8BA
##      457      410      376      369      321      320      242      123      108      70
```

```
pie(c(larger_color, nrow(usernames) - sum(larger_color)), labels = c(names(larger_color), "Other"), col
```

## Frequency of Username Colors Appearing in Chat



```
unique_color <- table(unique(color))
sum(unique_color)
```

```
## [1] 393
```

There are 393 unique colors in chatter's usernames.