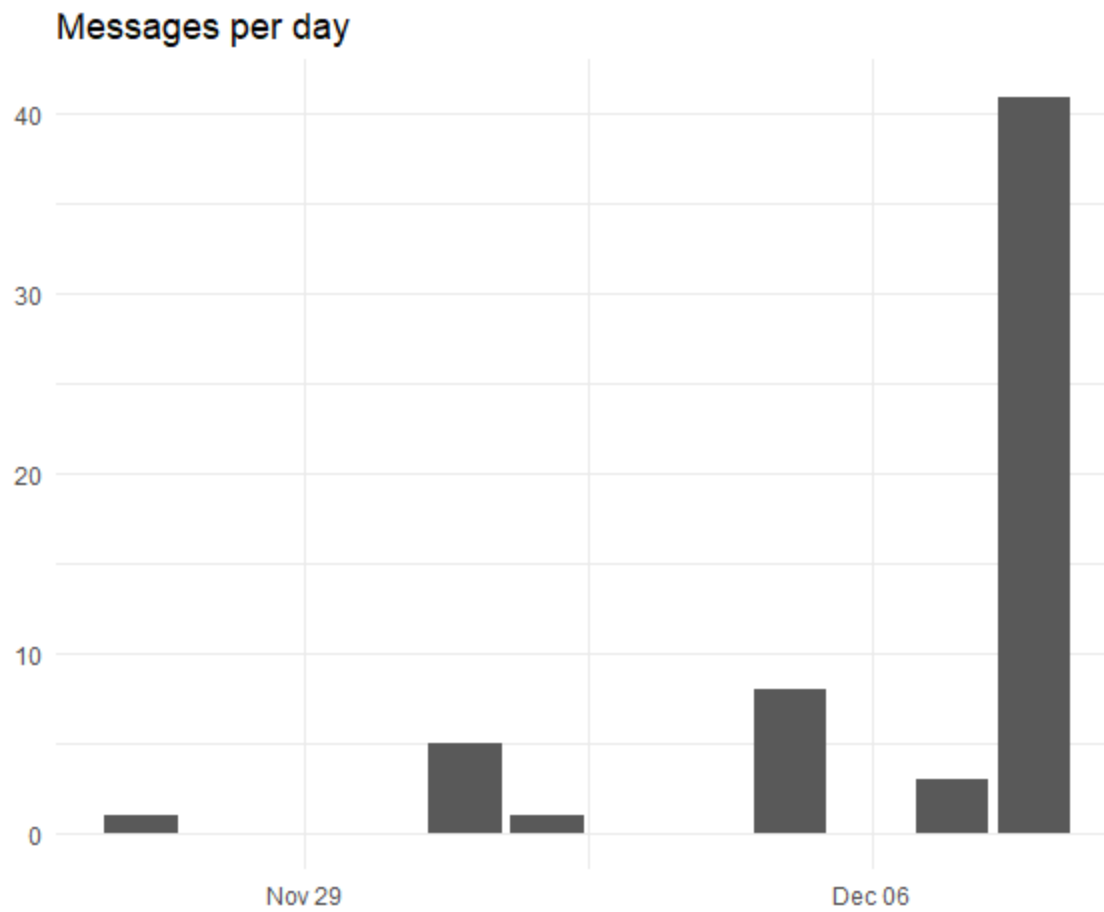


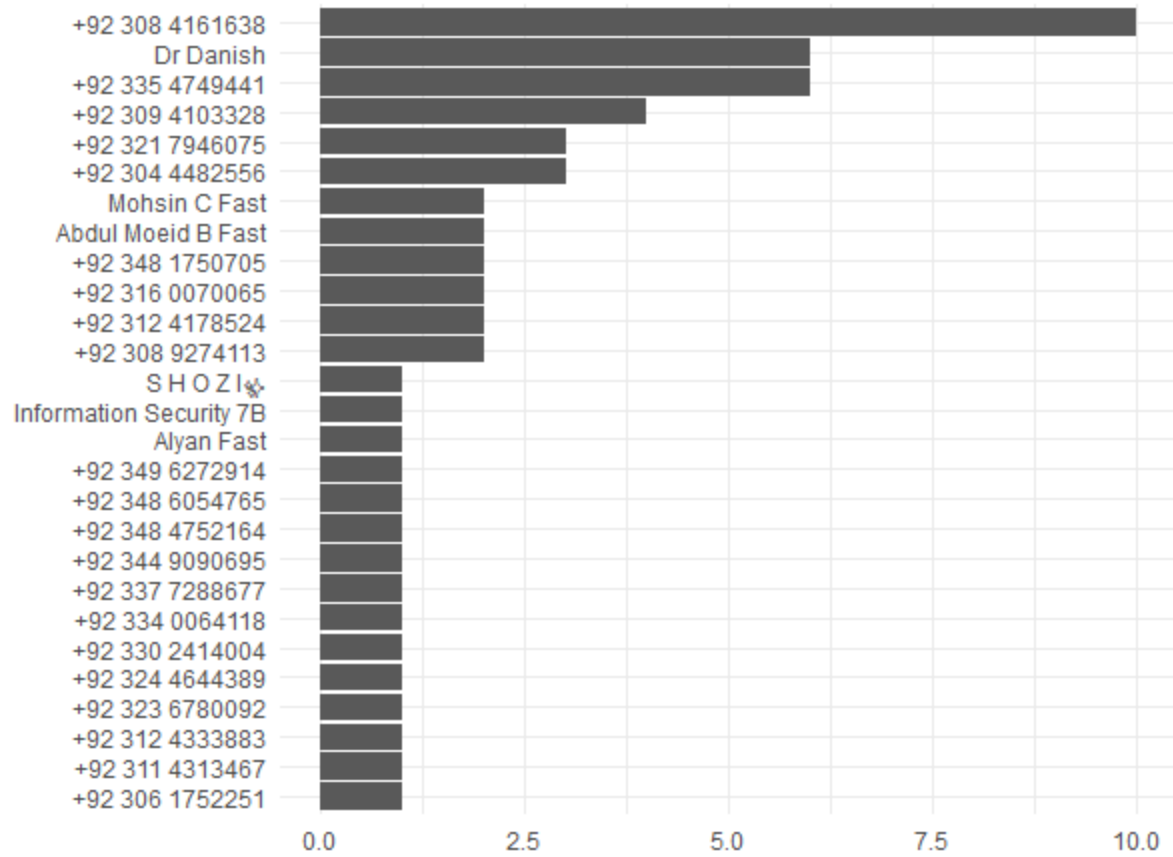
```
library(rwhatsapp)
library(dplyr)
library("lubridate")
library("tidyr")
library("ggplot2"); theme_set(theme_minimal())
library(tidytext)
```

```
da %>%
  mutate(day = date(time)) %>%
  count(day) %>%
  ggplot(aes(x = day, y = n)) +
  geom_bar(stat = "identity") +
  ylab("") + xlab("") +
  ggtitle("Messages per day")
```



```
da %>%  
  mutate(day = date(time)) %>%  
  count(author) %>%  
  ggplot(aes(x = reorder(author, n), y = n)) +  
  geom_bar(stat = "identity") +  
  ylab("") + xlab("") +  
  coord_flip() +  
  ggtitle("Number of messages")
```

Number of messages



```

da %>%
  unnest(emoji) %>%
  count(author, emoji, sort = TRUE) %>%
  group_by(author) %>%
  top_n(n = 6, n) %>%
  ggplot(aes(x = reorder(emoji, n), y = n, fill = author)) +
  geom_col(show.legend = FALSE) +
  ylab("") +
  xlab("") +
  coord_flip() +
  facet_wrap(~author, ncol = 1, scales = "free_y") +
  ggtitle("Most often used emojis")

```

