Lab 1 Winter 2019

Maria Schweer-Collins

January 9, 2019

```r
library(rio)
library(here)
library(tidyverse)


supd <- import(here("data", "rstats_tweets.rds"),
               setclass = "tbl.df")
```
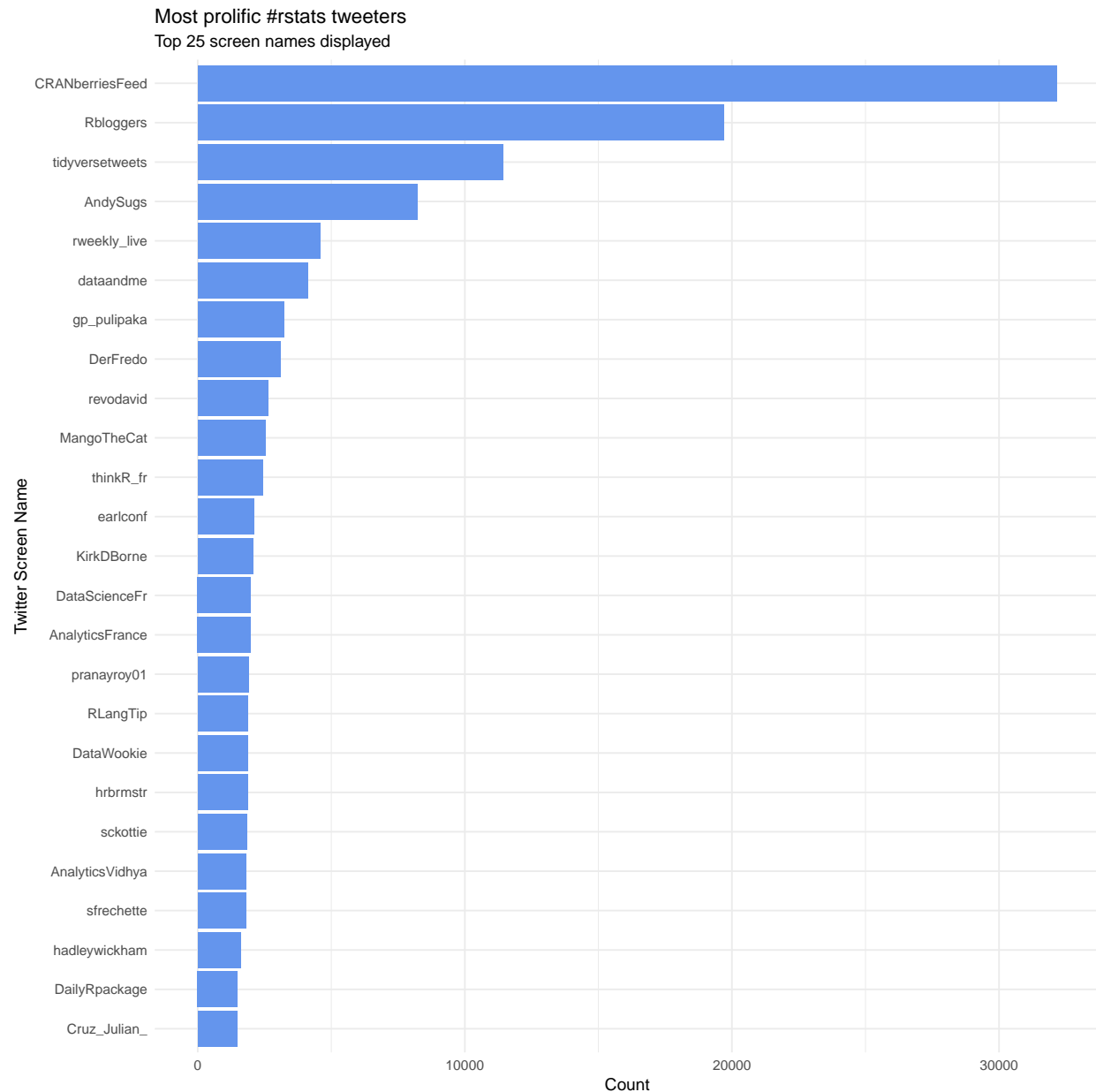
Vizualization 1

```r
d <- supd %>%
  count(screen_name) %>%
  arrange(desc(n)) %>%
  dplyr::slice(1:25)

d <- d %>%
  mutate(screen_name = fct_reorder(screen_name, n))

p1 <- d %>%
  ggplot(aes(x = screen_name, y = n)) +
  geom_col(fill = "cornflowerblue") +
  coord_flip() +
  theme_minimal(base_size = 12) +
  ggtitle( "Most prolific #rstats tweeters",
    subtitle = "Top 25 screen names displayed") +
  ylab("Count") +
  xlab("Twitter Screen Name")
p1 + theme_minimal()
```

Most prolific #rstats tweeters
Top 25 screen names displayed

Vizualization 2

```r
round_d <- supd %>%
  mutate(month = lubridate::round_date(created_at, "months")) %>%
  filter(month < lubridate::as_datetime("2019-01-01 00:00:00"))

tweets <- round_d %>%
  count(month)

bird_plot <- ggplot(tweets, aes(month, n)) +
  geom_smooth(color = "magenta", se = FALSE, size = 1.25) +
```

```
  geom_line(color = "gray40", size = 1.25) +
  geom_area(fill = "cornflowerblue", alpha = .3) +
  ggtitle( "Growth of the #rstats hashtag on twitter over time") +
  labs(caption = "Data from Mike Kearny, distributed via #tidytuesday",
       y = "Number of #rstats tweets",
       x = "Year (data summarized by month)")


bird_plot + theme_minimal(base_size = 15)
```

Growth of the #rstats hashtag on twitter over time

Data from Mike Kearny, distributed via #tidytuesday