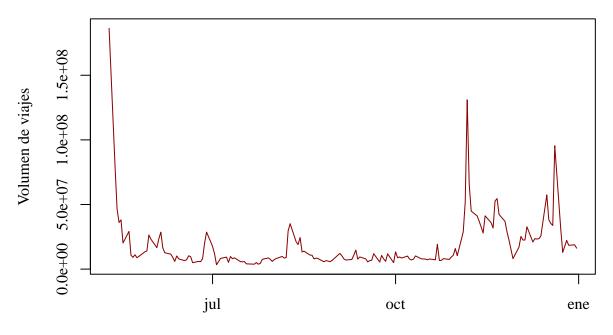
visualización de datos de los viajes en Uber

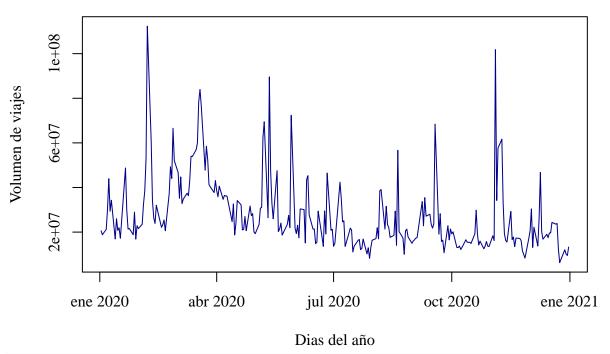
Proyecto de visualización de datos de los viajes que se realizaron en Uber, los últimos 6 años.

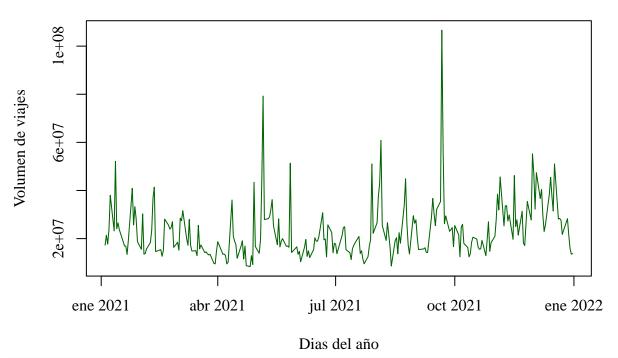
```
library(readr)
library(dplyr)
##
## Adjuntando el paquete: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
##
       intersect, setdiff, setequal, union
library(lubridate)
##
## Adjuntando el paquete: 'lubridate'
## The following objects are masked from 'package:base':
##
##
       date, intersect, setdiff, union
library(ggplot2)
library(ggthemes)
df <- read_csv("uber_stock_data.csv")</pre>
## Rows: 1444 Columns: 7
## -- Column specification -----
## Delimiter: ","
## dbl (6): Adj Close, Close, High, Low, Open, Volume
## date (1): Date
## 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.
str(df)
## spc_tbl_ [1,444 x 7] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
               : Date[1:1444], format: "2019-05-10" "2019-05-13" ...
## $ Date
## $ Adj Close: num [1:1444] 41.6 37.1 40 41.3 43 ...
## $ Close
              : num [1:1444] 41.6 37.1 40 41.3 43 ...
## $ High
               : num [1:1444] 45 39.2 40 41.9 44.1 ...
## $ Low
              : num [1:1444] 41.1 36.1 36.8 39 41.2 ...
              : num [1:1444] 42 38.8 38.3 39.4 41.5 ...
## $ Volume : num [1:1444] 1.86e+08 7.94e+07 4.67e+07 3.61e+07 3.81e+07 ...
   - attr(*, "spec")=
##
   .. cols(
```

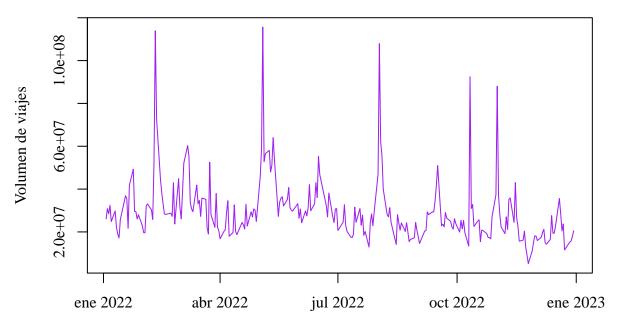
```
##
         Date = col_date(format = ""),
##
         `Adj Close` = col_double(),
##
     . .
         Close = col double(),
         High = col_double(),
##
##
         Low = col_double(),
     . .
##
         Open = col_double(),
##
         Volume = col double()
     . .
##
     ..)
   - attr(*, "problems")=<externalptr>
names(df)
                                                       "Low"
## [1] "Date"
                   "Adj Close" "Close"
                                           "High"
                                                                   "Open"
## [7] "Volume"
head(df)
## # A tibble: 6 x 7
##
                `Adj Close` Close High Low Open
    Date
                                                       Volume
##
     <date>
                      <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
                                                        <dbl>
## 1 2019-05-10
                      41.6 41.6 45
                                         41.1 42
                                                    186322500
## 2 2019-05-13
                       37.1 37.1 39.2 36.1 38.8
                                                    79442400
## 3 2019-05-14
                       40.0 40.0 40.0 36.8 38.3
                                                     46661100
## 4 2019-05-15
                       41.3 41.3 41.9 39.0 39.4
                                                     36086100
## 5 2019-05-16
                       43
                             43
                                   44.1 41.2 41.5
                                                     38115500
## 6 2019-05-17
                       41.9 41.9 43.3 41.3 42.0 20225700
# Ordenamos el dataset por fechas
df$Date <- as.Date(df$Date, format = "%Y-%m-%d")</pre>
df <- df %>%
  arrange(Date)
head(df)
## # A tibble: 6 x 7
               `Adj Close` Close High Low Open
##
                                                       Volume
##
                      <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
     <date>
                                                        <dbl>
## 1 2019-05-10
                      41.6 41.6 45
                                         41.1 42
                                                    186322500
## 2 2019-05-13
                       37.1 37.1 39.2 36.1 38.8
                                                    79442400
## 3 2019-05-14
                       40.0 40.0 40.0 36.8
                                              38.3
                                                     46661100
## 4 2019-05-15
                       41.3 41.3 41.9 39.0 39.4
                                                     36086100
## 5 2019-05-16
                             43
                                   44.1 41.2 41.5
                                                     38115500
## 6 2019-05-17
                       41.9 41.9 43.3 41.3 42.0 20225700
# Gráfico el volumen de cada mes en cada año
df_fil19 <- df %>%
 filter(year(Date) == 2019)
df_fil20 <- df %>%
  filter(year(Date) == 2020)
df_fil21 <- df %>%
  filter(year(Date) == 2021)
df_fil22 <- df %>%
 filter(year(Date) == 2022)
```



Dias del año







Dias del año

```
# Con ggplot2
ggplot(df_fil19, aes(df_fil19$Date, df_fil19$Volume)) +
  geom_line(color = "red", size = 1.2, linetype = "solid") +
  geom_point(color = "darkred", size = 1)+
  theme_solarized(base_family = "serif") +
  labs(x = "Días del año",y = "Número de viajes",
  title = "Viajes de Ubers en 2019")
```

```
## Warning: Using `size` aesthetic for lines was deprecated in ggplot2 3.4.0.
```

^{##} i Please use `linewidth` instead.

^{##} This warning is displayed once every 8 hours.

^{##} Call `lifecycle::last_lifecycle_warnings()` to see where this warning was

^{##} generated.

