proj1

Drew

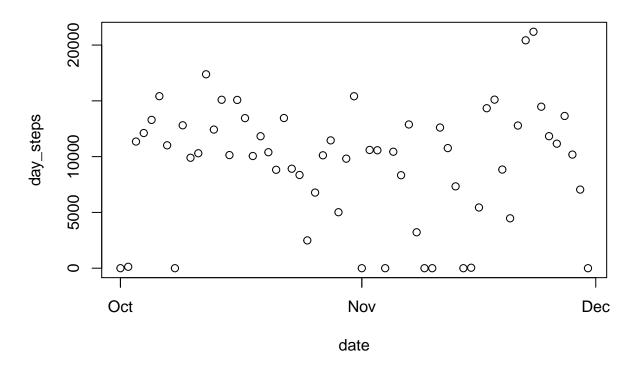
1/6/2021

Project 1: Movement

Submitted by Andrew Chang on Jan 08 2021 for the Johns Hopkins Reproducible Research course for rand credits

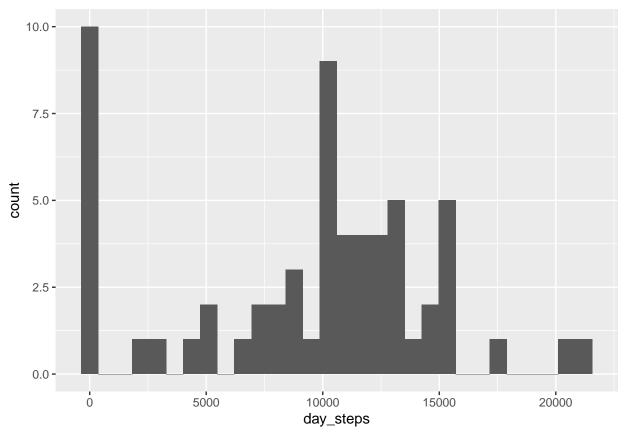
```
readAct <- read.csv("C:/Users/arkai/Documents/R/projects/DSS05_RepRes/repdata_data_activity/activity.cs
                    colClasses = c("numeric", "POSIXct", "integer"))
?read.csv
## starting httpd help server ... done
summary(readAct)
##
        steps
                          date
                                                       interval
##
   Min.
          : 0.00
                     Min.
                            :2012-10-01 00:00:00
                                                         : 0.0
  1st Qu.: 0.00
                     1st Qu.:2012-10-16 00:00:00
                                                    1st Qu.: 588.8
## Median : 0.00
                     Median :2012-10-31 00:00:00
                                                   Median :1177.5
                                                           :1177.5
## Mean
          : 37.38
                            :2012-10-31 00:25:34
                     Mean
                                                   Mean
## 3rd Qu.: 12.00
                     3rd Qu.:2012-11-15 00:00:00
                                                   3rd Qu.:1766.2
           :806.00
                            :2012-11-30 00:00:00
                                                           :2355.0
## Max.
                     Max.
                                                   Max.
## NA's
           :2304
dim(readAct)
## [1] 17568
                 3
head(readAct)
##
     steps
                 date interval
## 1
       NA 2012-10-01
## 2
       NA 2012-10-01
                             5
       NA 2012-10-01
                            10
## 4
       NA 2012-10-01
                            15
## 5
       NA 2012-10-01
                            20
## 6
       NA 2012-10-01
                            25
actDaily <- readAct %>%
       select(
                date, steps
        ) %>%
        group_by(date) %>%
        summarize(
                day_steps = sum(steps, na.rm = TRUE)
        )
```

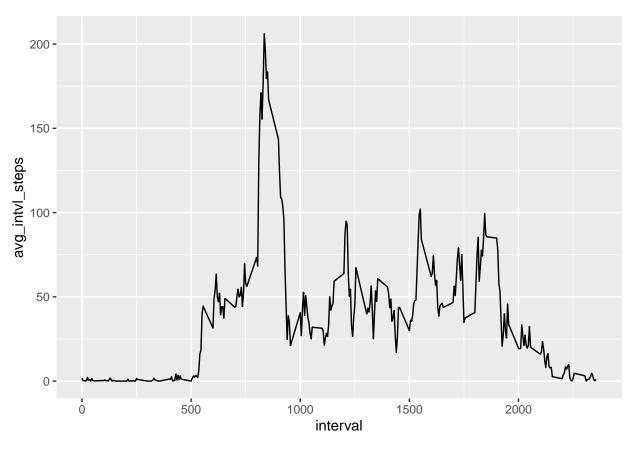
```
actDailyMean <- mean(actDaily$day_steps, na.rm = TRUE)
actDailyMed <- median(actDaily$day_steps, na.rm = TRUE)
plot(actDaily)</pre>
```



```
ggplot(data = actDaily, aes(day_steps)) +
    geom_histogram()
```

`stat_bin()` using `bins = 30`. Pick better value with `binwidth`.





```
# actDaily %>%
# filter(
# day_steps == max(actDaily$day_steps, na.rm = TRUE)
# )
```

Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.