

RWorksheet#5_group.Rmd

Baylon_Calvario_Calzado

2024-11-20

```
library(polite)
library(kableExtra)
library(rmarkdown)
library(httr)
library(rvest)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following object is masked from 'package:kableExtra':
##
##   group_rows

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
library(stringr)
library(ggplot2)
library(knitr)
```

```
urls <- c('https://www.amazon.com/Fitbit-Exercise-Equipment-6-Months-Membership/dp/B0CC62ZG1M/?_encoding=UTF8&pf_rd_p=80000000-0000-4000-8000-000000000000')
```

```
name <- vector("list", length(urls))
ratings <- vector("list", length(urls))
date <- vector("list", length(urls))
title <- vector("list", length(urls))
text <- vector("list", length(urls))
```

```
df <- list()
```

```
for (i in seq_along(urls)) {
  session <- bow(urls[i], user_agent = "Educational")
  page <- scrape(session)

  nam <- page %>% html_nodes(".a-profile-name") %>% html_text()
  nam <- nam[!grepl("Fitbit Charge 6|Amazon Customer", nam, ignore.case = TRUE)]
  nam <- nam[nam != ""]
  name[[i]] <- unique(nam)
```

```

rate <- page %>% html_nodes(".a-icon-alt") %>% html_text()
rating <- rate[!grepl("Previous page|Next page", rate, ignore.case = TRUE)]
rating <- gsub(" out of 5 stars", "", rating)
rating <- rating[-(1:15)]
ratings[[i]] <- rating[-c(3,7)]

dat <- page %>% html_nodes(".a-size-base.a-color-secondary.review-date") %>% html_text()
date[[i]] <- gsub("Reviewed.*on ", "", dat)

titl <- page %>% html_nodes(".a-size-base.review-title.a-color-base.review-title-content.a-text-bol")
titl <- gsub("Reviewed.*on ", "", titl)
titl <- gsub(".*stars\\s*", "", titl)
title[[i]] <- gsub("\\s+", " ", titl)

tex <- page %>% html_nodes(".a-expander-content.reviewText.review-text-content.a-expander-partial-c")
tex <- gsub("\\n", " ", tex)
tex <- gsub("\\s+", " ", tex)
text[[i]] <- trimws(tex)
}

```

```

Watch1 <- data.frame(
  Name = unlist(name[1]),
  Ratings = unlist(ratings[1]),
  DateofReview = unlist(date[1]),
  TitleofReview = unlist(title[1]),
  stringsAsFactors = FALSE)
head(Watch1)

```

```

##           Name Ratings      DateofReview
## 1    Bryce Conner    4.3      July 21, 2024
## 2      Heather    4.3 February 12, 2024
## 3 Liberty's Daughter 4.3 September 16, 2024
## 4    Shawn Chambers    4.1  October 25, 2024
## 5           RM    4.1    August 5, 2024
## 6    Jason Teh      5    August 20, 2024
##           TitleofReview
## 1 Many features -- packed into a small package
## 2 Replaced my Apple Watch with Charge 6, happy
## 3                               Easy sight
## 4          CHANGED THIS FAT GUYS LIFE!
## 5    Fitbit is it! Why? Keep reading..
## 6          Unable to charge

```

```

Watch1 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")

```

```

TextofReview1 <- text[1]
TextofReview1

```

```

## [[1]]
## [1] "I received this watch as a gift about 6 months ago. I'm giving it 5 stars, because I love the s
## [2] "Bought January 2024. So, I have had an Apple Watch since 2017. I LOVED it. But I didn't love th
## [3] "I Love the display screen with large colorful numbers. I also appreciate the ease with which I
## [4] "This closer-to-60-than-50 obese guy with Type 2 diabetes gets a call from his doctor saying \"I

```

Name	Ratings	DateofReview	TitleofReview
Bryce Conner	4.3	July 21, 2024	Many features – packed into a small package
Heather	4.3	February 12, 2024	Replaced my Apple Watch with Charge 6, happy
Liberty’s Daughter	4.3	September 16, 2024	Easy sight
Shawn Chambers	4.1	October 25, 2024	CHANGED THIS FAT GUYS LIFE!
RM	4.1	August 5, 2024	Fitbit is it! Why? Keep reading..
Jason Teh	5	August 20, 2024	Unable to charge
Mr Flying Turtle	5.0	July 11, 2024	Perfect price to performance health tracker
Topteck	5.0	April 10, 2024	”Fitbit Charge 6: Ultimate Fitness Companion”
Bryce Conner	5.0	July 21, 2024	Many features – packed into a small package
Heather	4.0	February 12, 2024	Replaced my Apple Watch with Charge 6, happy
Liberty’s Daughter	5.0	September 16, 2024	Easy sight
Shawn Chambers	5.0	October 25, 2024	CHANGED THIS FAT GUYS LIFE!
RM	5.0	August 5, 2024	Fitbit is it! Why? Keep reading..
Jason Teh	1.0	August 20, 2024	Unable to charge
Mr Flying Turtle	5.0	July 11, 2024	Perfect price to performance health tracker
Topteck	5.0	April 10, 2024	”Fitbit Charge 6: Ultimate Fitness Companion”

```
## [5] "The media could not be loaded. Why did the Fitbit Charge 6 win me over?1) It holds a charge for
## [6] "Unable to charge on the 1st day after purchasing. Sent back with RMA but still cannot charge af
## [7] "Great battery life with the nice and simple Fitbit app makes this a great watch. The health tra
## [8] "\"Seamless Integration: Fitbit Charge 6 Review\"I recently upgraded to the Fitbit Charge 6, and
```