LabExer1

2024-02-08

```
install.packages("rvest")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)
```

```
install.packages("dplyr")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)
```

```
install.packages("polite")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)
```

```
install.packages("tidyverse")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)
```

```
install.packages("usethis")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)
```

scrapng for whey proteins

```
library(dplyr)
```

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

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

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

```
library(polite)
library(httr)
library(dplyr)
library(polite)
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v forcats   1.0.0     v readr     2.1.5
## v ggplot2   3.4.4     v stringr   1.5.1
## v lubridate 1.9.3     v tibble    3.2.1
## v purrr     1.0.2     v tidyr     1.3.1
```

```
## -- Conflicts ---------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
whey_protein_products <- data.frame()



whey_proteinlink1 = "https://www.amazon.co.uk/s?k=whey+protein+powder&crid=397T8IRAWDI8&sprefix=whey+pr

session1 <- bow(whey_proteinlink1,
           user_agent = "For Educational Purpose")

scrapeNodes <- function(selector){
scrape(session) %>%
  html_nodes(selector) %>%
  html_text(trim = TRUE)


scrapedCategory <- "Whey Protein"

scrapedName <- scrapeNodes("h2.a-size-mini.a-spacing-none.a-color-base.s-line-clamp-4")
scrapedName <- scrapedName[1:45]

scrapedPrice <- scrapeNodes("span.a-offscreen")
scrapedPrice <- scrapedPrice[1:45]

scrapedRatings <- scrapeNodes("span.a-icon-alt")
scrapedRatings <- scrapedRatings[1:45]

scrapedReviews <- scrapeNodes("span.a-size-base.s-underline-text")
scrapedReviews <- scrapedReviews[1:45]



whey_protein_products <- rbind(whey_protein_productss, data.frame(category = scrapedCategory,name = scra
                    price = scrapedPrice,
                    ratings = scrapedRatings,
                    no_of_reviews = scrapedReviews))


#-----


whey_proteinlink2 = "https://www.amazon.co.uk/s?k=whey+protein+powder&page=2&crid=397T8IRAWDI8&qid=1707

session2 <- bow(whey_proteinlink2,
           user_agent = "For Educational Purpose")

scrapedCategory2 <- "Whey Protein"

scrapedName2 <- scrapeNodes("h2.a-size-mini.a-spacing-none.a-color-base.s-line-clamp-4")
scrapedName2 <- scrapedName2[1:45]
```

```
scrapedPrice2 <- scrapeNodes("span.a-offscreen")
scrapedPrice2 <- scrapedPrice2[1:45]

scrapedRatings2 <- scrapeNodes("span.a-icon-alt")
scrapedRatings2 <- scrapedRatings2[1:45]

scrapedReviews2 <- scrapeNodes("span.a-size-base.s-underline-text")
scrapedReviews2 <- scrapedReviews2[1:45]



whey_protein_products <- rbind(whey_protein_products, data.frame(category = scrapedCategory,name = scra
                    price = scrapedPrice,
                    ratings = scrapedRatings,
                    no_of_reviews = scrapedReviews))

#-------


whey_proteinlink3 = "https://www.amazon.co.uk/s?k=whey+protein+powder&page=3&crid=397T8IRAWDI8&qid=1707

session3 <- bow(whey_proteinlink3,
           user_agent = "For Educational Purpose")

scrapedCategory3 <- "Whey Protein"

scrapedName3 <- scrapeNodes("h2.a-size-mini.a-spacing-none.a-color-base.s-line-clamp-4")
scrapedName3 <- scrapedName3[1:45]

scrapedPrice3 <- scrapeNodes("span.a-offscreen")
scrapedPrice3 <- scrapedPrice3[1:45]

scrapedRatings3 <- scrapeNodes("span.a-icon-alt")
scrapedRatings3 <- scrapedRatings3[1:45]

scrapedReviews3 <- scrapeNodes("span.a-size-base.s-underline-text")
scrapedReviews3 <- scrapedReviews3[1:45]



whey_protein_products <- rbind(whey_protein_products, data.frame(category = scrapedCategory,name = scra
                    price = scrapedPrice,
                    ratings = scrapedRatings,
                    no_of_reviews = scrapedReviews))

whey_protein_products <- whey_protein_products[1:100]

}
```

scraping for slides

```
##url <- "https://www.amazon.co.uk/s?k=slides&crid=38UVNRLWHLBX&sprefix=slid%2Caps%2C500&ref=nb_sb_noss

##session <- bow(url,user_agent = "For Educational Purposes")
```

```
##amazon <- read_html(url)


##slides <- scrape(session) %>%
  ##html_nodes("span.a-text-normal") %>%
  ##html_text
##slides
##slides54 <- slides[2:55]
##slides54

##slides_prices <- scrape(session) %>%
  ##html_nodes("span.a-price-whole") %>%
  ##html_text
##slides_prices

##slides_Ratings <- scrape(session) %>%
  ##html_nodes("i.a-icon.a-icon-star-small.a-star-small-4.aok-align-bottom") %>%
  ##html_text
##slides_Ratings


##slides_noReviews <- scrape(session) %>%
  ##html_nodes("span.a-size-base.s-underline-text") %>%
  ##html_text
##slides_noReviews

##url <- "https://www.amazon.co.uk/s?k=slides&page=2&crid=38UVNRLWHLBX&qid=1707354108&sprefix=slid%2Cap

#session <- bow(url,user_agent = "For Educational Purposes")

##amazon <- read_html(url)


##slides2 <- scrape(session) %>%
 ## html_nodes("span.a-text-normal") %>%
  ##html_text
##slides2
##slides44 <- slides[1:44]
##slides44

##slides_prices2 <- scrape(session) %>%
 ## html_nodes("span.a-price-whole") %>%
## html_text
##slides_prices2

##slides_Ratings2 <- scrape(session) %>%
##  html_nodes("i.a-icon.a-icon-star-small.a-star-small-4.aok-align-bottom") %>%
##  html_text
##slides_Ratings2

##slides_noReviews2 <- scrape(session) %>%
 ## html_nodes("span.a-size-base.s-underline-text") %>%
##  html_text
```

```
##slides_noReviews2
```

MERGING

```
#scraped_products <- rbind(whey_protein_products, slides)
```

ten products product1

```
library(dplyr)
library(rvest)
```

```
##
## Attaching package: 'rvest'
```

```
## The following object is masked from 'package:readr':
##
##     guess_encoding
```

```
library(polite)
library(httr)
library(selectr)

product_1 = data.frame()
scraped_Category <- "Whey Protein"


###

  link = "https://www.amazon.co.uk/Warrior-Whey-Protein-Powder-Supplement/product-reviews/B0BWL3DGKV/re

      sessionProd1 <- bow(link,
                user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)
      }



      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
      scrapedprodName <- scrapedprodName[1:10]


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("a-size-baset")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_1 <- rbind(product_1, data.frame(category = scraped_Category,name = scrapedprodName,
                       reviewer = scrapedReviewer,
                       review = scrapedReview,
                       date = scrapedDate,
                      ratings = scrapedprodRating))



      link_2 = "https://www.amazon.co.uk/Warrior-Whey-Protein-Powder-Supplement/product-reviews/B0BWL3

sessionProd2 <- bow(link_2,
             user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_1 <- rbind(product_1, data.frame(category = scraped_Category,name = scrapedprodName,
                       reviewer = scrapedReviewer2,
                       review = scrapedReview2,
                       date = scrapedDate2,
                      ratings = scrapedprodRating2))


    link_3 = "https://www.amazon.co.uk/Warrior-Whey-Protein-Powder-Supplement/product-reviews/B0BWL3D
sessionProd3 <- bow(link_3,
             user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]
```

```
      scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_1 <- rbind(product_1, data.frame(category = scraped_Category,name = scrapedprodName,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
```

product2

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_2 = data.frame()
scrapedCategory <- "Whey protein"


###

  link = "https://www.amazon.co.uk/Mutant-Extreme-Strength-High-Density-Calories/product-reviews/B09F5F

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)
      }

      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_2 <- rbind(product_2, data.frame(category = scrapedCategory,name = scrapedprodName,
                        reviewer = scrapedReviewer,
                        review = scrapedReview,
                        date = scrapedDate,
                       ratings = scrapedprodRating))

#------

       link_2 = "https://www.amazon.co.uk/Mutant-Extreme-Strength-High-Density-Calories/product-reviews

  sessionProd2 <- bow(link_2,
              user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_2 <- rbind(product_2, data.frame(category = scrapedCategory,name = scrapedprodName,
                        reviewer = scrapedReviewer2,
                        review = scrapedReview2,
                        date = scrapedDate2,
                       ratings = scrapedprodRating2))


       link_3 = "https://www.amazon.co.uk/Mutant-Extreme-Strength-High-Density-Calories/product-reviews

  sessionProd2 <- bow(link_3,
              user_agent = "For Educational Purpose")

    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]
```

```
      scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_2 <- rbind(product_2, data.frame(category = scrapedCategory,name = scrapedprodName,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
```

product3

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_3 = data.frame()
scrapedCategory <- "Whey Protein"


###

  link = "https://www.amazon.co.uk/MuscleTech-Nitro-Tech-Cookies-Cream/product-reviews/B0BRQHBWCB/ref=cr

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)
      }

      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_3 <- rbind(product_3, data.frame(category = scrapedCategory,name = scrapedprodName,
                        reviewer = scrapedReviewer,
                        review = scrapedReview,
                        date = scrapedDate,
                       ratings = scrapedprodRating))

#-----

        link2 = "https://www.amazon.co.uk/MuscleTech-Nitro-Tech-Cookies-Cream/product-reviews/B0BRQHBW

 sessionProd2 <- bow(link2,
              user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_3 <- rbind(product_3, data.frame(category = scrapedCategory,name = scrapedprodName,
                        reviewer = scrapedReviewer2,
                        review = scrapedReview2,
                        date = scrapedDate2,
                       ratings = scrapedprodRating2))


 #------

    link3 = "https://www.amazon.co.uk/MuscleTech-Nitro-Tech-Cookies-Cream/product-reviews/B0BRQHBWCB/

 sessionProd3 <- bow(link3,
              user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
```

```
      scrapedReview3 <- scrapedReview3[1:10]


      scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_3 <- rbind(product_3, data.frame(category = scrapedCategory,name = scrapedprodName,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
```

product4

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_4 = data.frame()
scrapedCategory <- "Whey Protein"

###

  link = "https://www.amazon.co.uk/Reflex-Nutrition-Instant-Protein-Chocolate/product-reviews/B00H3IOXDI

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)
      }

      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
      scrapedprodRating <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating <- scrapedprodRating[1:10]


      product_4 <- rbind(product_4, data.frame(category = scrapedCategory,name = scrapedprodName,
                          review = scrapedReview,
                          date = scrapedDate,
                         ratings = scrapedprodRating))




#-----
```

product5

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_5 = data.frame()
scrapedCategory <- "Whey Protein"


###

  link = "https://www.amazon.co.uk/Warrior-Workout-Extreme-Servings-Strawberry/product-reviews/B07GNJ5Q

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)
      }

      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_5 <- rbind(product_5, data.frame(category = scrapedCategory,name = scrapedprodName,
                        reviewer = scrapedReviewer,
                        review = scrapedReview,
                        date = scrapedDate,
                       ratings = scrapedprodRating))



link2 = "https://www.amazon.co.uk/Warrior-Workout-Extreme-Servings-Strawberry/product-reviews/B07GNJ5

sessionProd2 <- bow(link2,
             user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_5 <- rbind(product_5, data.frame(category = scrapedCategory,name = scrapedprodName,
                        reviewer = scrapedReviewer2,
                        review = scrapedReview2,
                        date = scrapedDate2,
                       ratings = scrapedprodRating2))


link3 = "https://www.amazon.co.uk/Amazon-Basics-Casebound-Notebook-21x13-3x1-6/product-reviews/B01DN8

sessionProd3 <- bow(link3,
             user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]
```

```
      scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_5 <- rbind(product_5, data.frame(category = scrapedCategory,name = scrapedprodName,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
```

product6

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_6 = data.frame()
scraped_Category <- "Slides"


###

  link = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Slide-Sandal/product-reviews/B0CN9HD68Y/ref=

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)


      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_6 <- rbind(product_6, data.frame(category = scraped_Category,name = scrapedprodName,
                       reviewer = scrapedReviewer,
                       review = scrapedReview,
                       date = scrapedDate,
                      ratings = scrapedprodRating))


      link2 = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Slide-Sandal/product-reviews/B0CN9HD6

sessionProd2 <- bow(link2,
             user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_6 <- rbind(product_6, data.frame(category = scraped_Category ,name = scrapedprodName,
                       reviewer = scrapedReviewer2,
                       review = scrapedReview2,
                       date = scrapedDate2,
                      ratings = scrapedprodRating2))




      link3 = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Slide-Sandal/product-reviews/B0CN9HD6

sessionProd3 <- bow(link3,
             user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]
```

```
      scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_6 <- rbind(product_6, data.frame(category = scraped_Category ,name = scrapedprodName,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
}
```

product7

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_7 = data.frame()
scraped_Category <- "Slides"




  link = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Shower-Slides/product-reviews/B0CPP2PS6T/ref=

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)


      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_7 <- rbind(product_7, data.frame(category = scraped_Category,name = scrapedprodName,
                        reviewer = scrapedReviewer,
                        review = scrapedReview,
                        date = scrapedDate,
                       ratings = scrapedprodRating))

      link2 = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Shower-Slides/product-reviews/B0CPP2P

sessionProd2 <- bow(link2,
             user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_7 <- rbind(product_7, data.frame(category = scraped_Category ,name = scrapedprodName,
                        reviewer = scrapedReviewer2,
                        review = scrapedReview2,
                        date = scrapedDate2,
                       ratings = scrapedprodRating2))

      link3 = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Shower-Slides/product-reviews/B0CPP2P

sessionProd3 <- bow(link3,
             user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]


    scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
```

```
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_7 <- rbind(product_7, data.frame(category = scraped_Category ,name = scrapedprodName,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
}
```

product8

```
library(dplyr)
library(rvest)

library(polite)
library(httr)
library(selectr)

product_8 = data.frame()
scraped_Category <- "Slides"


###

  link = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Slide-Sandal/product-reviews/B0CK6KTFDQ/ref=

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)


      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_8 <- rbind(product_8, data.frame(category = scraped_Category,name = scrapedprodName,
                       reviewer = scrapedReviewer,
                       review = scrapedReview,
                       date = scrapedDate,
                      ratings = scrapedprodRating))


      link2 = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Slide-Sandal/product-reviews/B0CK6KTF

sessionProd2 <- bow(link2,
             user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_8 <- rbind(product_8, data.frame(category = scraped_Category ,name = scrapedprodName,
                       reviewer = scrapedReviewer2,
                       review = scrapedReview2,
                       date = scrapedDate2,
                      ratings = scrapedprodRating2))


      link3 = "https://www.amazon.co.uk/adidas-Unisexs-Adilette-Slide-Sandal/product-reviews/B0CK6KTF

sessionProd3 <- bow(link3,
             user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]
```

```
      scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_8 <- rbind(product_8, data.frame(category = scraped_Category ,name = scrapedprodName,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
}
```

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_9 = data.frame()
scrapedCategory <- "Slides"


###

  link = "https://www.amazon.co.uk/Crocs-206121-Unisexs-Classic-Slide/product-reviews/B0CRJGKXJG/ref=cm_

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)
      }

      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]


      scrapedprodRating <- scrapeNodes("span.a-icon-alt")
```

```
    scrapedprodRating <- scrapedprodRating[1:10]


    product_9 <- rbind(product_9, data.frame(category = scrapedCategory,
                       reviewer = scrapedReviewer,
                       review = scrapedReview,
                       date = scrapedDate,
                      ratings = scrapedprodRating))

     link2 = "https://www.amazon.co.uk/Crocs-206121-Unisexs-Classic-Slide/product-reviews/B0CRJGKXJG/

sessionProd2 <- bow(link2,
             user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_9 <- rbind(product_9, data.frame(category = scrapedCategory,
                       reviewer = scrapedReviewer2,
                       review = scrapedReview2,
                       date = scrapedDate2,
                      ratings = scrapedprodRating2))


     link3 = "https://www.amazon.co.uk/Crocs-206121-Unisexs-Classic-Slide/product-reviews/B0CRJGKXJG/

sessionProd3 <- bow(link3,
             user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]


    scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate3 <- scrapedDate3[1:10]
```

```
      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_9 <- rbind(product_9,
                         data.frame(category = scrapedCategory,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
```

product10

```
library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

product_10 = data.frame()
scrapedCategory <- "Slides"


###

  link = "https://www.amazon.co.uk/Under-Armour-Locker-Slide-Walking/product-reviews/B087DT44PC/ref=cm_

      sessionProd1 <- bow(link,
               user_agent = "For Educational Purpose")

      amazon <- read_html(link)

      scrapeNodes <- function(selector){
      scrape(sessionProd1) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)


      scrapedprodName <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
      scrapedprodName <- scrapeNodes[1:10]


      scrapedReviewer <- scrapeNodes("span.a-profile-name")
      scrapedReviewer <- scrapedReviewer[1:10]


      scrapedReview <- scrapeNodes("span.a-size-base.review-text.review-text-content")
      scrapedReview <- scrapedReview[1:10]


      scrapedDate <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate <- scrapedDate[1:10]
```

```
    scrapedprodRating <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating <- scrapedprodRating[1:10]


    product_10 <- rbind(product_10, data.frame(category = scrapedCategory,
                        reviewer = scrapedReviewer,
                        review = scrapedReview,
                        date = scrapedDate,
                       ratings = scrapedprodRating))


     link2 = "https://www.amazon.co.uk/Under-Armour-Locker-Slide-Walking/product-reviews/B087DT44PC/r

sessionProd2 <- bow(link2,
             user_agent = "For Educational Purpose")

    scrapedReviewer2 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer2 <- scrapedReviewer2[1:10]


    scrapedReview2 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview2 <- scrapedReview2[1:10]


    scrapedDate2 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
    scrapedDate2 <- scrapedDate2[1:10]


    scrapedprodRating2 <- scrapeNodes("span.a-icon-alt")
    scrapedprodRating2 <- scrapedprodRating2[1:10]


    product_10 <- rbind(product_10, data.frame(category = scrapedCategory,
                        reviewer = scrapedReviewer2,
                        review = scrapedReview2,
                        date = scrapedDate2,
                       ratings = scrapedprodRating2))


       link3 = "https://www.amazon.co.uk/Under-Armour-Locker-Slide-Walking/product-reviews/B087DT44PC

sessionProd3 <- bow(link3,
             user_agent = "For Educational Purpose")


    scrapedReviewer3 <- scrapeNodes("span.a-profile-name")
    scrapedReviewer3 <- scrapedReviewer3[1:10]


    scrapedReview3 <- scrapeNodes("span.a-size-base.review-text.review-text-content")
    scrapedReview3 <- scrapedReview3[1:10]
```

```
      scrapedDate3 <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
      scrapedDate3 <- scrapedDate3[1:10]


      scrapedprodRating3 <- scrapeNodes("span.a-icon-alt")
      scrapedprodRating3 <- scrapedprodRating3[1:10]


      product_10 <- rbind(product_10, data.frame(category = scrapedCategory,
                          reviewer = scrapedReviewer3,
                          review = scrapedReview3,
                          date = scrapedDate3,
                         ratings = scrapedprodRating3))
      }
```

```
#all_reviews <- rbind(product_1, product_2, product_3, product_4, product_5, product_6, product_7, prod
```

```
#library(usethis)
```