

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)
```

```
urls <- c('https://www.amazon.com/dp/B09QBVD7BY/ref=sspa_dk_detail_1?psc=1&pd_rd_i=B09QBVD7BY&pd_rd_w=Y')
```

```
nameofproduct <- vector("list", length(urls))
names <- vector("list", length(urls))
ratings <- vector("list", length(urls))
dates <- vector("list", length(urls))
title <- vector("list", length(urls))
text <- vector("list", length(urls))
n <- vector("list", length(urls))
```

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

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

```
  nam <- webpage %>% html_nodes(".a-profile-name") %>% html_text()
  nam <- nam[!grepl("Fitbit Charge 6|AEAC Smart Watch", nam, ignore.case = TRUE)]
  nam <- nam[nam != ""]
```

```

n[[i]] <- nam
name <- c()
non_amazon_seen <- FALSE
for (na in nam) {
  if (na == "Amazon Customer") {

    if (non_amazon_seen) {
      name <- c(name, na)
    }
  } else {
    name <- c(name, na)
    non_amazon_seen <- TRUE
  }
}
name <- name[!duplicated(name) | name == "Amazon Customer"]
names[[i]] <- name

nameofproduct[[i]] <- webpage %>%
html_nodes('.a-size-large.product-title-word-break') %>%
html_text()
nameofproduct[[i]] <- rep(nameofproduct[[i]], length.out = length(names[[i]]))

rate <- webpage %>% html_nodes(".a-icon-alt") %>% html_text()
rati <- rate[!grepl("Previous page|Next page|Previous set of slides|Next set of slides", rate, ignore.case = TRUE)]
rat <- gsub(" out of 5 stars", "", rati)
rats <- rat
if (length(rats) > length(name)) {
  rats <- tail(rats, length(name))
} else if (length(rats) < length(name)) {
  rats <- c(rats, rep(NA, length(name) - length(rats)))
}

ratings[[i]] <- rats

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

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

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

cate <- c("Category 1: WATCH", "Category 2", "Category 3", "Category 4", "Category 5")
category <- vector("list", length(cate))
for (i in seq_along(cate)) {
  category[[i]] <- cate[i]
}

```

```

}

for (i in seq_along(cate)) {
  category[[i]] <- rep(category[[i]], length.out = length(names[[i]]))
}

productnumbe <- c("Product 1", "Product 2", "Product 3", "Product 4", "Product 5", "Product 6", "Product 7")
productnumber <- vector("list", length(productnumbe))
for (i in seq_along(productnumbe)) {
  productnumber[[i]] <- productnumbe[i]
}
for (i in seq_along(urls)) {
  productnumber[[i]] <- rep(productnumber[[i]], length.out = length(names[[i]]))
}

watch1 <- data.frame(Category = category[[1]],
                     Product_number = productnumber[[1]],
                     Name_of_Product = nameofproduct[[1]],
                     Username = names[[1]],
                     Rating = ratings[[1]],
                     Date = dates[[1]],
                     Title_of_Review = title[[1]],
                     Text_of_Review = text[[1]],
                     stringsAsFactors = FALSE
                     )

head(watch1, 50)

```

```

##           Category Product_number
## 1 Category 1: WATCH      Product 1
## 2 Category 1: WATCH      Product 1
## 3 Category 1: WATCH      Product 1
## 4 Category 1: WATCH      Product 1
## 5 Category 1: WATCH      Product 1
## 6 Category 1: WATCH      Product 1
## 7 Category 1: WATCH      Product 1
## 8 Category 1: WATCH      Product 1
## 9 Category 1: WATCH      Product 1
## 10 Category 1: WATCH      Product 1
## 11 Category 1: WATCH      Product 1
## 12 Category 1: WATCH      Product 1
## 13 Category 1: WATCH      Product 1
##
## 1      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 2      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 3      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 4      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 5      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 6      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 7      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 8      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 9      Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 10     Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 11     Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 12     Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen
## 13     Smart Watch for Men Women Android iPhone, Alexa Built-in Fitness Watch with 1.8" LCD Screen

```

```

##          Uername Rating          Date
## 1      Wrenogade   4.0 November 11, 2024
## 2          Leevi   5.0   April 8, 2023
## 3      Marlon Davey   5.0 December 2, 2024
## 4  Amazon Customer   3.0 November 2, 2024
## 5      John Bowen   4.0 November 27, 2024
## 6      George Boykin   4.0 November 20, 2024
## 7  Amazon Customer   5.0   May 3, 2023
## 8      AmazonAddict   5.0   June 4, 2024
## 9          B.P   5.0 October 14, 2022
## 10         Is good   5.0 October 20, 2024
## 11          Roby   5.0   August 8, 2024
## 12 Adélaïde Cotonnec   5.0   July 25, 2024
## 13          Sophie   5.0   July 19, 2024
##
##                                     Title_of_Review
## 1                                Excellent watch, great price!
## 2                                Very good for the price
## 3                        So far working great! A good value
## 4                        Helpful with Health Tracking
## 5                        Great Smartwatch at a Great Price
## 6                                Compatible
## 7  Band defect....New one I received 11-27, charger doesn't work
## 8                                Great buy for the price!
## 9                                Great watch
## 10                               Functionality of
## 11                               Orologio
## 12                               Top et sympa
## 13                               très bon produit
##
## 1
## 2  The smart watch is an innovative and versatile piece of technology that has quickly become a must.
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13

```

```

nama <- names[[2]]
namez <- nama[!grepl("Amazon Customer|How to sleep monitoring", nama, ignore.case = TRUE)]
producto <- productnumber[[2]]
producto <- rep(producto, length.out = length(namez))
produc <- nameofproduct[[2]]
produc <- rep(produc, length.out = length(namez))
cater <- category[[1]]
ca <- rep(cater, length.out = length(namez))

ratingz <- ratings[[2]]
  if (length(ratingz) > length(namez)) {

```

```

ratingz <- tail(ratingz, length(namez))
} else if (length(ratingz) < length(namez)) {
ratingz <- c(ratingz, rep(NA, length(namez) - length(ratingz)))
}

```

```

watch2 <- data.frame(Category = ca,
                     Product_number = producto,
                     Name_of_Product = produc,
                     Username = namez,
                     Rating = ratingz,
                     Date = dates[[2]],
                     Title_of_Review = title[[2]],
                     Text_of_Review = text[[2]],
                     stringsAsFactors = FALSE
                     )
head(watch2, 50)

```

```

##          Category Product_number
## 1 Category 1: WATCH      Product 2
## 2 Category 1: WATCH      Product 2
## 3 Category 1: WATCH      Product 2
## 4 Category 1: WATCH      Product 2
## 5 Category 1: WATCH      Product 2
## 6 Category 1: WATCH      Product 2
## 7 Category 1: WATCH      Product 2
## 8 Category 1: WATCH      Product 2
## 9 Category 1: WATCH      Product 2
## 10 Category 1: WATCH      Product 2
## 11 Category 1: WATCH      Product 2
## 12 Category 1: WATCH      Product 2
## 13 Category 1: WATCH      Product 2
##
## 1      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 2      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 3      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 4      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 5      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 6      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 7      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 8      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 9      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 10     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 11     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 12     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
## 13     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsun
##
##          Username Rating          Date
## 1      Evonne      5.0   October 8, 2024
## 2 Frances Gibson      3.0 November 27, 2024
## 3   Larry Roberts      5.0   November 7, 2024
## 4 Donna Buechner      5.0 November 29, 2024
## 5      Victoria      4.0   October 22, 2024
## 6      Anonymous      5.0 September 12, 2024
## 7      Excelente      1.0   November 19, 2024
## 8 Leslie Blanchard      5.0   October 31, 2024

```

```

## 9          Apo      5.0   December 5, 2024
## 10         AK      5.0   September 1, 2024
## 11    Mr Robertoto  5.0   August 12, 2024
## 12    Superchicca  5.0   August 1, 2024
## 13      Bazregan   5.0   July 15, 2024
##
##                                     Title_of_Review
## 1                                     Great watch!
## 2                                Great smart watch
## 3                                     Great.
## 4                                Not accurate
## 5                                Love this watch!
## 6                                     Accurate
## 7                                     Calidad
## 8                                Stopped working 2 weeks after buying it.
## 9                                Appels clairs et de bonne qualité
## 10                               Decent watch for the price
## 11                               Rapport qualité prix tres valable
## 12                               Per il prezzo va benissimo. Ottimo per un ragazzo.
## 13 Good for kids, work well, not sure of accuracy of heart rate monitoring
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12 Ho ordinato questo smartwatch per mio figlio piccolo, approfittando dell'opportunità offerta da Amazon
## 13

```

```

nama1 <- names[[3]]
namez1 <- nama1[!grepl("Fossil Men's Minimalist", nama1, ignore.case = TRUE)]
namez1 <- unique(namez1)
namez1 <- namez1[-1]
producto1 <- productnumber[[3]]
producto1 <- rep(producto1, length.out = length(namez1))
produc1 <- nameofproduct[[3]]
produc1 <- rep(produc1, length.out = length(namez1))
cater1 <- category[[1]]
ca1 <- rep(cater1, length.out = length(namez1))

ratingz1 <- ratings[[3]]
if (length(ratingz1) > length(namez1)) {
  ratingz1 <- tail(ratingz1, length(namez1))
} else if (length(ratingz1) < length(namez1)) {
  ratingz1 <- c(ratingz1, rep(NA, length(namez1) - length(ratingz1)))
}

```

```

watch3 <- data.frame(Category = ca1,
                     Product_number = producto1,
                     Name_of_Product = produc1,

```

```

        Uername = namez1,
        Rating = ratingz1,
        Date = dates[[3]],
        Title_of_Review = title[[3]],
        Text_of_Review = text[[3]],
        stringsAsFactors = FALSE
    )
head(watch3, 50)

```

```

##          Category Product_number
## 1 Category 1: WATCH      Product 3
## 2 Category 1: WATCH      Product 3
## 3 Category 1: WATCH      Product 3
## 4 Category 1: WATCH      Product 3
## 5 Category 1: WATCH      Product 3
## 6 Category 1: WATCH      Product 3
## 7 Category 1: WATCH      Product 3
## 8 Category 1: WATCH      Product 3
## 9 Category 1: WATCH      Product 3
## 10 Category 1: WATCH      Product 3
## 11 Category 1: WATCH      Product 3
## 12 Category 1: WATCH      Product 3
## 13 Category 1: WATCH      Product 3
##
## 1      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 2      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 3      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 4      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 5      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 6      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 7      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 8      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 9      Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 10     Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 11     Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 12     Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
## 13     Fossil Minimalist Men's Watch with Leather or Stainless Steel Band, Chronograph or Analog
##
##          Uername Rating      Date
## 1          JAVIER982    5.0 November 29, 2024
## 2 Lyndell dodsonAmazon Customer    5.0   October 4, 2024
## 3          Luke      4.0  October 10, 2024
## 4      Different Name    4.0   April 24, 2024
## 5          Sidney    5.0   August 24, 2024
## 6      Kaori Gómez Nakahara    5.0  October 18, 2024
## 7          Scott E.    5.0   August 31, 2024
## 8          d gillott    5.0  December 5, 2024
## 9          marcelo    5.0 November 23, 2024
## 10          Rosi      5.0    July 12, 2024
## 11      Travis Brown    5.0   April 21, 2024
## 12          Arshie    5.0 February 17, 2024
## 13      Mariana Mendívil    5.0   August 3, 2023
##
##                                     Title_of_Review
## 1                      Light weigh, slim, classic, very classy.
## 2                      Reliable watch

```

```

## 3 Fossil leather watch
## 4 Good-looking watch with possible quality control/durability issues
## 5 Beautiful watch!!!
## 6 Good
## 7 Great for the price
## 8 what I expected
## 9 Calidad del producto
## 10 Precioso.
## 11 Great quality and sleek design
## 12 Really cool
## 13 Un gran reloj
##
## 1
## 2
## 3
## 4 Initially, I was impressed with the design/materials of this watch. The case is very slim and the
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13

nama2 <- names[[4]]
namez2 <- nama2[!grepl("Fossil Men's Grant", nama2, ignore.case = TRUE)]
namez2 <- namez2[-(1:2)]
producto2 <- productnumber[[4]]
producto2 <- rep(producto2, length.out = length(namez2))
produc2 <- nameofproduct[[4]]
produc2 <- rep(produc2, length.out = length(namez2))
cater2 <- category[[1]]
ca2 <- rep(cater2, length.out = length(namez2))

ratingz2 <- ratings[[4]]
if (length(ratingz2) > length(namez2)) {
  ratingz2 <- tail(ratingz2, length(namez2))
} else if (length(ratingz2) < length(namez2)) {
  ratingz2 <- c(ratingz2, rep(NA, length(namez2) - length(ratingz2)))
}

watch4 <- data.frame(Category = ca2,
  Product_number = producto2,
  Name_of_Product = produc2,
  Username = namez2,
  Rating = ratingz2,
  Date = dates[[4]],
  Title_of_Review = title[[4]],
  Text_of_Review = text[[4]],
  stringsAsFactors = FALSE
)

head(watch4, 50)

```



```

##          Category Product_number
## 1  Category 1: WATCH      Product 4
## 2  Category 1: WATCH      Product 4
## 3  Category 1: WATCH      Product 4
## 4  Category 1: WATCH      Product 4
## 5  Category 1: WATCH      Product 4
## 6  Category 1: WATCH      Product 4
## 7  Category 1: WATCH      Product 4
## 8  Category 1: WATCH      Product 4
## 9  Category 1: WATCH      Product 4
## 10 Category 1: WATCH      Product 4
## 11 Category 1: WATCH      Product 4
## 12 Category 1: WATCH      Product 4
## 13 Category 1: WATCH      Product 4
##
## 1      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 2      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 3      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 4      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 5      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 6      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 7      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 8      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 9      Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 10     Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 11     Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 12     Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
## 13     Fossil Grant Men's Watch with Chronograph or Automatic Display and Genuine Leather or Sta
##          Username Rating      Date
## 1      Michael F.      5.0 November 16, 2024
## 2      David L        5.0  December 3, 2024
## 3      Matthew        5.0 November 14, 2024
## 4      Rumana          4.0   April 19, 2024
## 5      JayBird23       5.0  October 16, 2024
## 6  Charles in Richmond  5.0 November 30, 2024
## 7      Amazon Customer  5.0 November 23, 2024
## 8      kevin           5.0  November 1, 2024
## 9      FR              5.0 November 24, 2024
## 10     Alfredo          5.0  November 5, 2024
## 11     Abraham Borboa   5.0    July 17, 2024
## 12     sajithvgs        5.0 November 25, 2024
## 13     Client d'Amazon  5.0  November 4, 2024
##
##                                     Title_of_Review
## 1                                     Looks are everything!
## 2                                     Inexpensive and Looks Great
## 3                                     Very good watch but I got it on sale
## 4                                     A Timepiece that Elicits Joy!
## 5                                     Nice basic watch
## 6                                     Nice watch
## 7                                     Great
## 8                                     Great Watch!
## 9                                     Muy bonito
## 10  Excelente producto, elegante y de buena calidad! Vale la pena!
## 11                                     Excelente reloj y a un precio considerablemente bien

```

```
## 12                                Good Quality product
## 13                                le prix
##
## 1
## 2
## 3
## 4 I purchased the Fossil Grant Men's watch with a chronograph display for my significant other, and
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
nama3 <- names[[5]]
namez3 <- nama3[!grepl("Amazon Essentials Men's", nama3, ignore.case = TRUE)]
namez3 <- namez3[-(1:2)]
producto3 <- productnumber[[5]]
producto3 <- rep(producto3, length.out = length(namez3))
produc3 <- nameofproduct[[5]]
produc3 <- rep(produc3, length.out = length(namez3))
cater3 <- category[[1]]
ca3 <- rep(cater3, length.out = length(namez3))

ratingz3 <- ratings[[5]]
  if (length(ratingz3) > length(namez3)) {
    ratingz3 <- tail(ratingz3, length(namez3))
  } else if (length(ratingz3) < length(namez3)) {
    ratingz3 <- c(ratingz3, rep(NA, length(namez3) - length(ratingz3)))
  }
```

```
watch5 <- data.frame(Category = ca3,
                     Product_number = producto3,
                     Name_of_Product = produc3,
                     Username = namez3,
                     Rating = ratingz3,
                     Date = dates[[5]],
                     Title_of_Review = title[[5]],
                     Text_of_Review = text[[5]],
                     stringsAsFactors = FALSE
                     )
head(watch5, 50)
```

```
##           Category Product_number
## 1 Category 1: WATCH      Product 5
## 2 Category 1: WATCH      Product 5
## 3 Category 1: WATCH      Product 5
## 4 Category 1: WATCH      Product 5
## 5 Category 1: WATCH      Product 5
## 6 Category 1: WATCH      Product 5
## 7 Category 1: WATCH      Product 5
## 8 Category 1: WATCH      Product 5
```

```

## 9 Category 1: WATCH      Product 5
## 10 Category 1: WATCH     Product 5
## 11 Category 1: WATCH     Product 5
## 12 Category 1: WATCH     Product 5
## 13 Category 1: WATCH     Product 5
##
##                                     Name_of_Product
## 1      Amazon Essentials Men's Easy to Read Strap Watch
## 2      Amazon Essentials Men's Easy to Read Strap Watch
## 3      Amazon Essentials Men's Easy to Read Strap Watch
## 4      Amazon Essentials Men's Easy to Read Strap Watch
## 5      Amazon Essentials Men's Easy to Read Strap Watch
## 6      Amazon Essentials Men's Easy to Read Strap Watch
## 7      Amazon Essentials Men's Easy to Read Strap Watch
## 8      Amazon Essentials Men's Easy to Read Strap Watch
## 9      Amazon Essentials Men's Easy to Read Strap Watch
## 10     Amazon Essentials Men's Easy to Read Strap Watch
## 11     Amazon Essentials Men's Easy to Read Strap Watch
## 12     Amazon Essentials Men's Easy to Read Strap Watch
## 13     Amazon Essentials Men's Easy to Read Strap Watch
##
##                                     Username Rating      Date
## 1                                     BK      5.0 November 20, 2024
## 2                                     1931 Durant 4.0 November 19, 2024
## 3                                     Thomas Kane 5.0  October 8, 2024
## 4                                     Cee Jay    5.0  November 3, 2024
## 5                                     Francis    5.0  November 9, 2024
## 6      James D. Dorman                3.0  November 16, 2024
## 7      colby fink                     3.0   March 15, 2024
## 8      Edward E.                      5.0  November 17, 2024
## 9      Eric Chapman                   5.0  October 17, 2024
## 10     Tito                           5.0  November 1, 2024
## 11 José Alejandro Martínez Malagón 5.0  December 30, 2023
## 12     Alain B.                       5.0  September 21, 2024
## 13     Amazon Customer                 4.0   January 9, 2024
##
##                                     Title_of_Review
## 1      You get a fair value for a less than 20 dollar watch
## 2      Keeps peerfect time
## 3      Nice watch, but.....
## 4 The Amazon Essentials Men's Easy to Read (leather) Strap Watch is Home Run
## 5      Very Good!
## 6      Great Watch!
## 7      Budget-Friendly, But Misses the Mark: AmazonBasics Watch Review
## 8      Men's Easy to Read Strap Watch
## 9      Nice watch. Took a long time to arrive.
## 10     Buen artículo
## 11     Buen reloj
## 12     belle apparence
## 13     Large digits
##
## 1
## 2
## 3
## 4
## 5
## 6

```

```
## 7 I recently purchased an AmazonBasics watch with a brown faux leather band, drawn in by the afford
## 8
## 9
## 10
## 11
## 12
## 13
```

```
nama4e <- n[[6]]
namez4e <- nama4e[!grepl("Tensky smart watch", nama4e, ignore.case = TRUE)]
namez4e <- namez4e[-(1:2)]
namez4e <- unique(namez4e)
nr <- which(namez4e == "Latrishia Love") + 1
namez4e <- append(namez4e, "Placeholder", after = nr - 1)
producto4e <- productnumber[[6]]
producto4e <- rep(producto4e, length.out = length(namez4e))
produc4e <- nameofproduct[[6]]
produc4e <- rep(produc4e, length.out = length(namez4e))
cater4e <- category[[1]]
ca4e <- rep(cater4e, length.out = length(namez4e))

ratingz4e <- ratings[[6]]
  if (length(ratingz4e) > length(namez4e)) {
    ratingz4e <- tail(ratingz4e, length(namez4e))
  } else if (length(ratingz4e) < length(namez4e)) {
    ratingz4e <- c(ratingz4e, rep(NA, length(namez4e) - length(ratingz4e)))
  }
```

```
watch6 <- data.frame(Category = ca4e,
                     Product_number = producto4e,
                     Name_of_Product = produc4e,
                     Username = namez4e,
                     Rating = ratingz4e,
                     Date = dates[[6]],
                     Title_of_Review = title[[6]],
                     Text_of_Review = text[[6]],
                     stringsAsFactors = FALSE
)

head(watch6, 50)
```

```
##           Category Product_number
## 1 Category 1: WATCH      Product 6
## 2 Category 1: WATCH      Product 6
## 3 Category 1: WATCH      Product 6
## 4 Category 1: WATCH      Product 6
## 5 Category 1: WATCH      Product 6
## 6 Category 1: WATCH      Product 6
## 7 Category 1: WATCH      Product 6
## 8 Category 1: WATCH      Product 6
## 9 Category 1: WATCH      Product 6
## 10 Category 1: WATCH      Product 6
## 11 Category 1: WATCH      Product 6
## 12 Category 1: WATCH      Product 6
## 13 Category 1: WATCH      Product 6
##
```

```

## 1      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 2      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 3      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 4      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 5      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 6      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 7      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 8      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 9      Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 10     Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 11     Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 12     Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
## 13     Tensky Smart Watch for Women/Men Android & iOS, Alexa Built-in, 1.8" Fitness Tracker with
##
##      Userame Rating      Date
## 1  debra j Giunchigliani    5.0  October 31, 2024
## 2      Anna Mote          5.0  December 3, 2024
## 3      Placeholder        5.0  December 4, 2024
## 4      J. Allen           1.0  December 3, 2024
## 5      Latrisha Love       4.0  November 20, 2024
## 6      Placeholder        5.0  November 12, 2024
## 7      Lois Lowe           5.0  October 25, 2024
## 8      Jenna Benning       5.0  October 28, 2024
## 9      davido              5.0   August 25, 2024
## 10     Andreas             5.0    May 19, 2023
## 11     Hannes Jäg          4.0   August 16, 2022
## 12     Alain T             4.0   August 29, 2024
## 13     Lenchen             4.0   August 13, 2023
##
##      Title_of_Review
## 1      Great
## 2      Good enough
## 3      Love it!
## 4      Bright display. Easy to use.
## 5      Great watch
## 6      Cheap looking
## 7      Smart phone.
## 8      Great watch!
## 9      Bon produit
## 10     Praktischer Alltagshelfer !
## 11     Preis-Leistung mehr als in Ordnung
## 12     Une montre connectée avec un bel écran HD.
## 13     Kleine Ungenauigkeiten, aber sonst echt nützlich!
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10 Ich möchte meine Erfahrung mit der Tensky Smartwatch teilen, die nicht nur als Fitness Tracker fun
## 11
## 12

```

```
## 13
```

```
nama5e <- names[[7]]
namez5e <- nama5e[!grepl("Michael Kors Women's", nama5e, ignore.case = TRUE)]
namez5e <- namez5e[-(1:2)]
producto5e <- productnumber[[7]]
producto5e <- rep(producto5e, length.out = length(namez5e))
produc5e <- nameofproduct[[7]]
produc5e <- rep(produc5e, length.out = length(namez5e))
cater5e <- category[[1]]
ca5e <- rep(cater5e, length.out = length(namez5e))

ratingz5e <- ratings[[7]]
  if (length(ratingz5e) > length(namez5e)) {
    ratingz5e <- tail(ratingz5e, length(namez5e))
  } else if (length(ratingz5e) < length(namez5e)) {
    ratingz5e <- c(ratingz5e, rep(NA, length(namez5e) - length(ratingz5e)))
  }
```

```
watch7 <- data.frame(Category = ca5e,
                     Product_number = producto5e,
                     Name_of_Product = produc5e,
                     Username = namez5e,
                     Rating = ratingz5e,
                     Date = dates[[7]],
                     Title_of_Review = title[[7]],
                     Text_of_Review = text[[7]],
                     stringsAsFactors = FALSE
                     )
head(watch7, 50)
```

```
##          Category Product_number
## 1 Category 1: WATCH      Product 7
## 2 Category 1: WATCH      Product 7
## 3 Category 1: WATCH      Product 7
## 4 Category 1: WATCH      Product 7
## 5 Category 1: WATCH      Product 7
## 6 Category 1: WATCH      Product 7
## 7 Category 1: WATCH      Product 7
## 8 Category 1: WATCH      Product 7
## 9 Category 1: WATCH      Product 7
## 10 Category 1: WATCH      Product 7
## 11 Category 1: WATCH      Product 7
## 12 Category 1: WATCH      Product 7
## 13 Category 1: WATCH      Product 7
##
##                                     Name_of_Product
## 1 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 2 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 3 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 4 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 5 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 6 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 7 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 8 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 9 Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
```

```

## 10      Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 11      Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 12      Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
## 13      Michael Kors Slim Runway Women's Watch, Stainless Steel Bracelet Watch for Women
##          Username Rating      Date
## 1          Lina br    5.0  December 4, 2024
## 2          Nettie    5.0  December 2, 2024
## 3           Jenn    5.0  November 19, 2024
## 4    Upper Marlboro    4.0  November 19, 2024
## 5          joy austin    5.0    July 11, 2024
## 6          Uraina    5.0  December 4, 2024
## 7          Yvette J.    5.0    August 1, 2024
## 8    Crystal Bailey    5.0  October 26, 2024
## 9          Isaura J.    5.0  September 21, 2024
## 10         BERE MENDEZ    5.0    June 11, 2024
## 11          Starr    5.0  October 27, 2022
## 12          Karoline    5.0  December 2, 2024
## 13 Nestor Stockmayer    5.0  December 18, 2023
##          Title_of_Review
## 1          High quality
## 2          Beautiful Watch
## 3          Bday Gift
## 4          Lovely.
## 5          MK Watch
## 6          Shiny and Sophisticated
## 7    Good quality watch and beautiful color
## 8          Solid
## 9          Confiable
## 10         Spectacular
## 11         Excellent Watch
## 12
## 13          Regalo a mi esposa
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13 Quiero destacar la experiencia con el reloj Michael Kors para mujer. Lo más importante para mí es
nama6 <- names[[8]]
namez6 <- nama6[!grepl("How to Use", nama6, ignore.case = TRUE)]
namez6 <- namez6[-(1:2)]
producto6 <- productnumber[[8]]
producto6 <- rep(producto6, length.out = length(namez6))
produc6 <- nameofproduct[[8]]
produc6 <- rep(produc6, length.out = length(namez6))

```

```

cater6 <- category[[1]]
ca6 <- rep(cater6, length.out = length(namez6))

ratingz6 <- ratings[[8]]
  if (length(ratingz6) > length(namez6)) {
    ratingz6 <- tail(ratingz6, length(namez6))
  } else if (length(ratingz6) < length(namez6)) {
    ratingz6 <- c(ratingz6, rep(NA, length(namez6) - length(ratingz6)))
  }

```

```

watch8 <- data.frame(Category = ca6,
                     Product_number = producto6,
                     Name_of_Product = produc6,
                     Username = namez6,
                     Rating = ratingz6,
                     Date = dates[[8]],
                     Title_of_Review = title[[8]],
                     Text_of_Review = text[[8]],
                     stringsAsFactors = FALSE
                     )

head(watch8, 50)

```

```

##          Category Product_number
## 1 Category 1: WATCH      Product 8
## 2 Category 1: WATCH      Product 8
## 3 Category 1: WATCH      Product 8
## 4 Category 1: WATCH      Product 8
## 5 Category 1: WATCH      Product 8
## 6 Category 1: WATCH      Product 8
## 7 Category 1: WATCH      Product 8
## 8 Category 1: WATCH      Product 8
## 9 Category 1: WATCH      Product 8
## 10 Category 1: WATCH      Product 8
## 11 Category 1: WATCH      Product 8
## 12 Category 1: WATCH      Product 8
## 13 Category 1: WATCH      Product 8
##
## 1      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 2      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 3      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 4      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 5      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 6      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 7      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 8      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 9      HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 10     HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 11     HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 12     HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
## 13     HAYLOU Smart Watch for Android iOS Phones, 1.69" Touch Screen Smart Watches for Men Women
##
##          Username Rating      Date
## 1          faysal    5.0 August 31, 2024
## 2          Nestor C.    5.0   July 15, 2024
## 3      KOUAME Aka Daniel    3.0    June 3, 2022

```



```
## 4          Whoarang      5.0      May 14, 2024
## 5          HBB          1.0 February 15, 2022
## 6      james e rafter jr  5.0      April 3, 2022
## 7          Mike Naughton 5.0      March 31, 2022
## 8          Yvym         5.0      May 4, 2022
## 9          Speed        5.0      October 3, 2023
## 10 José Marcos Ayala Millán 4.0 February 13, 2022
## 11          Salvador    5.0      June 13, 2022
## 12          luis angel   5.0      October 3, 2024
## 13          Jarvis      5.0      August 20, 2022
##                                     Title_of_Review
## 1                                     Haylou Never Disappoints
## 2                                     Bueno
## 3                                     HAYLOU
## 4                                     Overall is good for the price
## 5      Watch seems fine. App doesn't seem to work well.
## 6                                     Smart watch
## 7      Not easy to install. Ended up returning it...
## 8                                     The battery life is important
## 9                                     Calidad precio
## 10      Productos de alta calidad y excelente servicio de Amazon
## 11                                     Muy bueno por el precio
## 12                                     Perfecto
## 13      Buena relación calidad/precio
##
## 1
## 2
## 3
## 4
## 5                                     1 of 2I am having issues wi
## 6
## 7      Not an easy product to install. Used wrong app. With correct app, c
## 8
## 9      Cumple con su función principal la cual es ver la hora, sin embargo en el momento de ser Smart ah
## 10
## 11                                     El reloj está muy bien. No es ta
## 12
## 13
```

```
urls1b <- c('https://www.amazon.com/Anne-Klein-Womens-105491SVTT-Two-Tone/dp/B000U505XI/ref=sr_1_58?cri
nameofproduct1b <- vector("list", length(urls1b))
names1b <- vector("list", length(urls1b))
ratings1b <- vector("list", length(urls1b))
dates1b <- vector("list", length(urls1b))
title1b <- vector("list", length(urls1b))
text1b <- vector("list", length(urls1b))
n1b <- vector("list", length(urls1b))
```

```
df <- list()

for (i in seq_along(urls1b)) {
  session <- bow(urls1b[i], user_agent = "Educational")
  webpage1b <- scrape(session)
```

```

nam1b <- webpage1b %>% html_nodes(".a-profile-name") %>% html_text()
nam1b <- nam1b[!grepl("Fitbit Charge 6|AEAC Smart Watch", nam1b, ignore.case = TRUE)]
nam1b <- nam1b[nam1b != ""]
n1b[[i]] <- nam1b
name1b <- c()
non_amazon_seen1b <- FALSE
for (na1b in nam1b) {
  if (na1b == "Amazon Customer") {

    if (non_amazon_seen1b) {
      name1b <- c(name1b, na1b)
    }
  } else {
    name1b <- c(name1b, na1b)
    non_amazon_seen1b <- TRUE
  }
}
name1b <- name1b[!duplicated(name1b) | name1b == "Amazon Customer"]
names1b[[i]] <- name1b

nameofproduct1b[[i]] <- webpage1b %>%
html_nodes('.a-size-large.product-title-word-break') %>%
html_text()
nameofproduct1b[[i]] <- rep(nameofproduct1b[[i]], length.out = length(names1b[[i]]))

rate1b <- webpage1b %>% html_nodes(".a-icon-alt") %>% html_text()
rati1b <- rate1b[!grepl("Previous page|Next page|Previous set of slides|Next set of slides", rate1b)]
rat1b <- gsub(" out of 5 stars", "", rati1b)
rats1b <- rat1b
if (length(rats1b) > length(name1b)) {
  rats1b <- tail(rats1b, length(name1b))
} else if (length(rats1b) < length(name1b)) {
  rats1b <- c(rats1b, rep(NA, length(name1b) - length(rats1b)))
}

ratings1b[[i]] <- rats1b

dat1b <- webpage1b %>% html_nodes(".a-size-base.a-color-secondary.review-date") %>% html_text()
date1b <- gsub("Reviewed.*on ", "", dat1b)
dates1b[[i]] <- date1b

titl1b <- webpage1b %>% html_nodes(".a-size-base.review-title.a-color-base.review-title-content.a-t")
tit1b <- gsub("Reviewed.*on ", "", titl1b)
ti1b <- gsub(".*stars\\s*", "", tit1b)
t1b <- gsub("\\s+", " ", ti1b)
title1b[[i]] <- t1b

tex1b <- webpage1b %>% html_nodes(".a-expander-content.reviewText.review-text-content.a-expander-pa")
te1b <- gsub("\\n", " ", tex1b)
t1b <- gsub("\\s+", " ", te1b)
text1b[[i]] <- trimws(t1b)
}

```

```
cate1b <- c("Category 1: WATCH", "Category 2:", "Category 3:", "Category 4:", "Category 5:")
category1b <- vector("list", length(cate1b))
for (i in seq_along(cate1b)) {
  category1b[[i]] <- cate1b[i]
}
```

```
for (i in seq_along(urls1b)) {
  category1b[[i]] <- rep(category1b[[i]], length.out = length(names1b[[i]]))
}
```

```
productnumbe1b <- c("Product 9", "Product 10")
productnumber1b <- vector("list", length(productnumbe1b))
for (i in seq_along(productnumbe1b)) {
  productnumber1b[[i]] <- productnumbe1b[i]
}
for (i in seq_along(urls1b)) {
  productnumber1b[[i]] <- rep(productnumber1b[[i]], length.out = length(names1b[[i]]))
}
```

```
nama7 <- names1b[[1]]
namez7 <- nama7[!grepl("Anne Klein Women's", nama7, ignore.case = TRUE)]
namez7 <- namez7[-(1:2)]
producto7 <- productnumber1b[[1]]
producto7 <- rep(producto7, length.out = length(namez7))
produc7 <- nameofproduct1b[[1]]
produc7 <- rep(produc7, length.out = length(namez7))
cater7 <- category1b[[1]]
ca7 <- rep(cater7, length.out = length(namez7))

ratingz7 <- ratings1b[[1]]
if (length(ratingz7) > length(namez7)) {
  ratingz7 <- tail(ratingz7, length(namez7))
} else if (length(ratingz7) < length(namez7)) {
  ratingz7 <- c(ratingz7, rep(NA, length(namez7) - length(ratingz7)))
}
```

```
watch9 <- data.frame(Category = ca7,
  Product_number = producto7,
  Name_of_Product = produc7,
  Username = namez7,
  Rating = ratingz7,
  Date = dates1b[[1]],
  Title_of_Review = title1b[[1]],
  Text_of_Review = text1b[[1]],
  stringsAsFactors = FALSE
)

head(watch9, 50)
```

```
##           Category Product_number
## 1 Category 1: WATCH      Product 9
## 2 Category 1: WATCH      Product 9
## 3 Category 1: WATCH      Product 9
## 4 Category 1: WATCH      Product 9
## 5 Category 1: WATCH      Product 9
## 6 Category 1: WATCH      Product 9
```

```

## 7 Category 1: WATCH      Product 9
## 8 Category 1: WATCH      Product 9
## 9 Category 1: WATCH      Product 9
## 10 Category 1: WATCH     Product 9
## 11 Category 1: WATCH     Product 9
## 12 Category 1: WATCH     Product 9
## 13 Category 1: WATCH     Product 9
##
##                                     Name_of_Product      Uername Rating
## 1      Anne Klein Women's Bracelet Watch      Po' Mrs Barlow ;)      5.0
## 2      Anne Klein Women's Bracelet Watch      DuckWalk1958      4.0
## 3      Anne Klein Women's Bracelet Watch      Ann      5.0
## 4      Anne Klein Women's Bracelet Watch      A. Harris24      5.0
## 5      Anne Klein Women's Bracelet Watch      Kathleen Cruickshank      3.0
## 6      Anne Klein Women's Bracelet Watch      Chris Meyer      5.0
## 7      Anne Klein Women's Bracelet Watch      Joette      5.0
## 8      Anne Klein Women's Bracelet Watch      L Fairclough      5.0
## 9      Anne Klein Women's Bracelet Watch      Alexia Orozco      5.0
## 10     Anne Klein Women's Bracelet Watch      Sher      5.0
## 11     Anne Klein Women's Bracelet Watch      Raj      4.0
## 12     Anne Klein Women's Bracelet Watch      Sijo Roshan      5.0
## 13     Anne Klein Women's Bracelet Watch      Dr. Kamel      5.0
##
##                                     Date
## 1      November 11, 2024
## 2      November 27, 2024
## 3      November 17, 2024
## 4      October 5, 2024
## 5      October 31, 2024
## 6      September 12, 2024
## 7      October 18, 2024
## 8      December 2, 2024
## 9      November 6, 2024
## 10     February 27, 2024
## 11     September 12, 2024
## 12     May 25, 2024
## 13     December 7, 2020
##
##                                     Title_of_Review
## 1      Great watch
## 2      Beautiful and durable
## 3      Very nice watch
## 4      Beautiful but it is a bit tight
## 5      Great buy
## 6      Luxury Watch for a Bargain Price
## 7      It's not easy to make the band smaller and the battery is not replacable.
## 8      Very classy
## 9      Calidad
## 10     Perfect size!
## 11     Beautiful watch
## 12     Locking good
## 13     Excellent
##
## 1
## 2
## 3
## 4

```

```
## 5
## 6
## 7 It's a beautiful watch and I love it. However, I was surprised to learn that you cannot replace t
## 8
## 9
## 10
## 11
## 12
## 13
```

```
nama8 <- names1b[[2]]
namez8 <- nama8[!grepl("BENYAR- 5160", nama8, ignore.case = TRUE)]
namez8 <- namez8[-(1:2)]
producto8 <- productnumber1b[[2]]
producto8 <- rep(producto8, length.out = length(namez8))
produc8 <- nameofproduct1b[[2]]
produc8 <- rep(produc8, length.out = length(namez8))
cater8 <- category1b[[1]]
ca8 <- rep(cater8, length.out = length(namez8))

ratingz8 <- ratings1b[[2]]
  if (length(ratingz8) > length(namez8)) {
    ratingz8 <- tail(ratingz8, length(namez8))
  } else if (length(ratingz8) < length(namez8)) {
    ratingz8 <- c(ratingz8, rep(NA, length(namez8) - length(ratingz8)))
  }
```

```
watch10 <- data.frame(Category = ca8,
                      Product_number = producto8,
                      Name_of_Product = produc8,
                      Username = namez8,
                      Rating = ratingz8,
                      Date = dates1b[[2]],
                      Title_of_Review = title1b[[2]],
                      Text_of_Review = text1b[[2]],
                      stringsAsFactors = FALSE
)

head(watch10, 50)
```

```
##           Category Product_number
## 1 Category 1: WATCH      Product 10
## 2 Category 1: WATCH      Product 10
## 3 Category 1: WATCH      Product 10
## 4 Category 1: WATCH      Product 10
## 5 Category 1: WATCH      Product 10
## 6 Category 1: WATCH      Product 10
## 7 Category 1: WATCH      Product 10
## 8 Category 1: WATCH      Product 10
## 9 Category 1: WATCH      Product 10
## 10 Category 1: WATCH      Product 10
## 11 Category 1: WATCH      Product 10
## 12 Category 1: WATCH      Product 10
## 13 Category 1: WATCH      Product 10
##
```

```
## 1          BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
```

## 2	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 3	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 4	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 5	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 6	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 7	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 8	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 9	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 10	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 11	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 12	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
## 13	BY BENYAR Mens Watches Analog Quartz Waterproof Wrist Watch for Men Multifunction Chronog
##	Username Rating Date
## 1	Andrew 5.0 November 4, 2024
## 2	GYZ 4.0 October 27, 2024
## 3	Amazon Customer 5.0 September 30, 2024
## 4	Fiona 5.0 November 22, 2024
## 5	Samuel Barnett 5.0 August 17, 2024
## 6	Dylan Brocchini-Rose 5.0 December 5, 2024
## 7	Matthew George 4.0 September 16, 2024
## 8	Trevor preston 5.0 July 24, 2024
## 9	Manuel F. 5.0 November 26, 2024
## 10	Nadim B. 5.0 November 3, 2024
## 11	JAML 4.0 November 9, 2023
## 12	Oliveira 2.0 January 20, 2023
## 13	Jessy 5.0 November 27, 2024
##	Title_of_Review
## 1	Looks Sharp!
## 2	Good price and great quality
## 3	Nice watch
## 4	Exquisite watch
## 5	Fantastic Gift!
## 6	Functional and visually appealing, especially for the price!
## 7	Benyar Watch
## 8	Updated***You get what you paid for...
## 9	Sencillo pero bonito
## 10	The best company benyar
## 11	Cumple con lo ofertado
## 12	Mal funcionamento!
## 13	Très belle
##	
## 1	
## 2	
## 3	
## 4	
## 5	I purchased this particular watch as a gift for one of my friends. He runs his own business and sp
## 6	I've had this watch for several years and just bought a n
## 7	
## 8	
## 9	
## 10	
## 11	
## 12	
## 13	

```

urls2 <- c('https://www.amazon.com/CeraVe-Moisturizing-Cream-Daily-Moisturizer/dp/B00TTD9BRC/ref=sr_1_8

nameofproduct2 <- vector("list", length(urls2))
names2 <- vector("list", length(urls2))
ratings2 <- vector("list", length(urls2))
dates2 <- vector("list", length(urls2))
title2 <- vector("list", length(urls2))
text2 <- vector("list", length(urls2))
n2 <- vector("list", length(urls2))

df <- list()

for (i in seq_along(urls2)) {
  session <- bow(urls2[i], user_agent = "Educational")
  webpage2 <- scrape(session)

  nam2 <- webpage2 %>% html_nodes(".a-profile-name") %>% html_text()
  nam2 <- nam2[!grepl("Fitbit Charge 6|AEAC Smart Watch", nam2, ignore.case = TRUE)]
  nam2 <- nam2[nam2 != ""]
  n2[[i]] <- nam2
  name2 <- c()
  non_amazon_seen2 <- FALSE
  for (na2 in nam2) {
    if (na2 == "Amazon Customer") {

      if (non_amazon_seen2) {
        name2 <- c(name2, na2)
      }
    } else {
      name2 <- c(name2, na2)
      non_amazon_seen2 <- TRUE
    }
  }
  name2 <- name2[!duplicated(name2) | name2 == "Amazon Customer"]
  names2[[i]] <- name2

  nameofproduct2[[i]] <- webpage2 %>%
html_nodes('.a-size-large.product-title-word-break') %>%
html_text()
  nameofproduct2[[i]] <- rep(nameofproduct2[[i]], length.out = length(names2[[i]]))

  rate2 <- webpage2 %>% html_nodes(".a-icon-alt") %>% html_text()
  rati2 <- rate2[!grepl("Previous page|Next page|Previous set of slides|Next set of slides", rate2, i
  rat2 <- gsub(" out of 5 stars", "", rati2)
  rats2 <- rat2
  if (length(rats2) > length(name2)) {
    rats2 <- tail(rats2, length(name2))
  } else if (length(rats2) < length(name2)) {
    rats2 <- c(rats2, rep(NA, length(name2) - length(rats2)))
  }

  ratings2[[i]] <- rats2

```

```

dat2 <- webpage2 %>% html_nodes(".a-size-base.a-color-secondary.review-date") %>% html_text()
date2 <- gsub("Reviewed.*on ", "", dat2)
dates2[[i]] <- date2

titl2 <- webpage2 %>% html_nodes(".a-size-base.review-title.a-color-base.review-title-content.a-text")
tit2 <- gsub("Reviewed.*on ", "", titl2)
ti2 <- gsub(".*stars\\s*", "", ti2)
t2 <- gsub("\\s+", " ", ti2)
title2[[i]] <- t2

tex2 <- webpage2 %>% html_nodes(".a-expander-content.reviewText.review-text-content.a-expander-part")
te2 <- gsub("\\n", " ", tex2)
t2 <- gsub("\\s+", " ", te2)
text2[[i]] <- trimws(t2)
}

cate2 <- c("Category 1: WATCH", "Category 2: SKINCARE", "Category 3", "Category 4", "Category 5")
category2 <- vector("list", length(cate2))
for (i in seq_along(cate2)) {
  category2[[i]] <- cate2[i]
}

for (i in seq_along(cate2)) {
  category2[[i]] <- rep(category2[[i]], length.out = length(names2[[i]]))
}

productnumbe2 <- c("Product 1", "Product 2", "Product 3", "Product 4", "Product 5", "Product 6", "Product 7")
productnumber2 <- vector("list", length(productnumbe2))
for (i in seq_along(productnumbe2)) {
  productnumber2[[i]] <- productnumbe2[i]
}
for (i in seq_along(urls2)) {
  productnumber2[[i]] <- rep(productnumber2[[i]], length.out = length(names2[[i]]))
}

urls2b <- c('https://www.amazon.com/Mario-Badescu-Facial-Spray-Rosewater/dp/B002LC90ES/ref=sr_1_25?crid=')
nameofproduct2b <- vector("list", length(urls2b))
names2b <- vector("list", length(urls2b))
ratings2b <- vector("list", length(urls2b))
dates2b <- vector("list", length(urls2b))
title2b <- vector("list", length(urls2b))
text2b <- vector("list", length(urls2b))
n2b <- vector("list", length(urls2b))

df <- list()

for (i in seq_along(urls2b)) {
  session <- bow(urls2b[i], user_agent = "Educational")
  webpage2b <- scrape(session)

  nam2b <- webpage2b %>% html_nodes(".a-profile-name") %>% html_text()
  nam2b <- nam2b[!grepl("Fitbit Charge 6|AEAC Smart Watch", nam2b, ignore.case = TRUE)]
  nam2b <- nam2b[nam2b != ""]
  n2b[[i]] <- nam2b
}

```



```

name2b <- c()
non_amazon_seen2b <- FALSE
for (na2b in nam2b) {
  if (na2b == "Amazon Customer") {

    if (non_amazon_seen2b) {
      name2b <- c(name2b, na2b)
    }
  } else {
    name2b <- c(name2b, na2b)
    non_amazon_seen2b <- TRUE
  }
}
name2b <- name2b[!duplicated(name2b) | name2b == "Amazon Customer"]
names2b[[i]] <- name2b

  nameofproduct2b[[i]] <- webpage2b %>%
html_nodes('.a-size-large.product-title-word-break') %>%
html_text()
  nameofproduct2b[[i]] <- rep(nameofproduct2b[[i]], length.out = length(names2b[[i]]))

rate2b <- webpage2b %>% html_nodes(".a-icon-alt") %>% html_text()
rati2b <- rate2b[!grepl("Previous page|Next page|Previous set of slides|Next set of slides", rate2b)]
rat2b <- gsub(" out of 5 stars", "", rati2b)
rats2b <- rat2b
if (length(rats2b) > length(name2b)) {
  rats2b <- tail(rats2b, length(name2b))
} else if (length(rats2b) < length(name2b)) {
  rats2b <- c(rats2b, rep(NA, length(name2b) - length(rats2b)))
}

ratings2b[[i]] <- rats2b

dat2b <- webpage2b %>% html_nodes(".a-size-base.a-color-secondary.review-date") %>% html_text()
date2b <- gsub("Reviewed.*on ", "", dat2b)
dates2b[[i]] <- date2b

titl2b <- webpage2b %>% html_nodes(".a-size-base.review-title.a-color-base.review-title-content.a-t")
tit2b <- gsub("Reviewed.*on ", "", titl2b)
ti2b <- gsub(".*stars\\s*", "", tit2b)
t2b <- gsub("\\s+", " ", ti2b)
title2b[[i]] <- t2b

tex2b <- webpage2b %>% html_nodes(".a-expander-content.reviewText.review-text-content.a-expander-pa")
te2b <- gsub("\\n", " ", tex2b)
t2b <- gsub("\\s+", " ", te2b)
text2b[[i]] <- trimws(t2b)
}

cate2b <- c("Category 1: WATCH", "Category 2: SKINCARE", "Category 3:", "Category 4:", "Category 5:")
category2b <- vector("list", length(cate2b))
for (i in seq_along(cate2b)) {
  category2b[[i]] <- cate2b[i]
}

```

```

for (i in seq_along(urls2b)) {
  category2b[[i]] <- rep(category2b[[i]], length.out = length(names2b[[i]]))
}

productnumbe2b <- c("Product 8", "Product 9", "Product 10")
productnumber2b <- vector("list", length(productnumbe2b))
for (i in seq_along(productnumbe2b)) {
  productnumber2b[[i]] <- productnumbe2b[i]
}

for (i in seq_along(productnumber2b)) {
  productnumber2b[[i]] <- rep(productnumber2b[[i]], length.out = length(names2b[[i]]))
}

nama9 <- names2[[1]]
namez9 <- nama9[!grepl("Moisturizing Cream", nama9, ignore.case = TRUE)]
namez9 <- namez9[-(1:2)]
producto9 <- productnumber2[[1]]
producto9 <- rep(producto9, length.out = length(namez9))
produc9 <- nameofproduct2[[1]]
produc9 <- rep(produc9, length.out = length(namez9))
cater9 <- category2[[2]]
ca9 <- rep(cater9, length.out = length(namez9))

ratingz9 <- ratings2[[1]]
if (length(ratingz9) > length(namez9)) {
  ratingz9 <- tail(ratingz9, length(namez9))
} else if (length(ratingz9) < length(namez9)) {
  ratingz9 <- c(ratingz9, rep(NA, length(namez9) - length(ratingz9)))
}

skincare10 <- data.frame(Category = ca9,
  Product_number = producto9,
  Name_of_Product = produc9,
  Username = namez9,
  Rating = ratingz9,
  Date = dates2[[1]],
  Title_of_Review = title2[[1]],
  Text_of_Review = text2[[1]],
  stringsAsFactors = FALSE
)

head(skincare10, 50)

```

```

##           Category Product_number
## 1 Category 2: SKINCARE      Product 1
## 2 Category 2: SKINCARE      Product 1
## 3 Category 2: SKINCARE      Product 1
## 4 Category 2: SKINCARE      Product 1
## 5 Category 2: SKINCARE      Product 1
## 6 Category 2: SKINCARE      Product 1
## 7 Category 2: SKINCARE      Product 1
## 8 Category 2: SKINCARE      Product 1
## 9 Category 2: SKINCARE      Product 1
## 10 Category 2: SKINCARE      Product 1
## 11 Category 2: SKINCARE      Product 1

```

```

## 12 Category 2: SKINCARE      Product 1
## 13 Category 2: SKINCARE      Product 1
##
## 1      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 2      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 3      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 4      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 5      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 6      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 7      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 8      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 9      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 10     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 11     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 12     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 13     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
##      Uername Rating      Date
## 1  Jenyan Martinez    5.0 September 26, 2024
## 2      Mohi          5.0  October 27, 2024
## 3    chicagoalum     5.0  October 20, 2024
## 4      M Stocki      5.0 November 30, 2024
## 5    Kira Williams   4.0 November 22, 2024
## 6      Nicole       5.0 November 17, 2024
## 7    Rami Alqudah    5.0  October 24, 2024
## 8    TallulahBelle   5.0  October 31, 2024
## 9      Adriana      5.0  December 4, 2023
## 10    shreshta pv    5.0    April 1, 2024
## 11    Aaisha Malik   5.0    July 24, 2024
## 12      Ahmed       5.0   August 6, 2024
## 13      Surya       5.0   July 11, 2023
##      Title_of_Review
## 1  Creamy Thick but Not Greasy - Super Hydrating
## 2      Good
## 3      AMAZING MOISTURIZER AT GREAT VALUE!
## 4      INCREDIBLE
## 5      Last long and works
## 6      Goes on smooth and not greasy
## 7      3 months honest review
## 8      I'm Loving This Cream
## 9      Excelente corporal para adulto mayor
## 10     Works wonders on any type of skin
## 11     Good product
## 12     One word. AMAZING
## 13     Doubtful
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7  I've always struggled with dry, flaky skin, especially during the colder months. No matter what I
my skin would go back to feeling tight and irritated after just a few hours. That is, until I came across
it absorbed quickly and left my skin feeling soft, hydrated, and calm, without that oily layer that some

```

```

less redness, more even texture, and just a natural glow that I never had before.If you're tired of dry
## 8
## 9
## 10
## 11
## 12
## 13

```

```

nama10 <- names2[[2]]
namez10 <- nama10[!grepl("Moisturizing Cream", nama10, ignore.case = TRUE)]
namez10 <- namez10[-(1:2)]
producto10 <- productnumber2[[2]]
producto10 <- rep(producto10, length.out = length(namez10))
produc10 <- nameofproduct2[[2]]
produc10 <- rep(produc10, length.out = length(namez10))
cater10 <- category2[[2]]
ca10 <- rep(cater10, length.out = length(namez10))

ratingz10 <- ratings2[[2]]
  if (length(ratingz10) > length(namez10)) {
    ratingz10 <- tail(ratingz10, length(namez10))
  } else if (length(ratingz10) < length(namez10)) {
    ratingz10<- c(ratingz10, rep(NA, length(namez10) - length(ratingz10)))
  }

```

```

skincare2 <- data.frame(Category = ca10,
                        Product_number = producto10,
                        Name_of_Product = produc10,
                        Username = namez10,
                        Rating = ratingz10,
                        Date = dates2[[2]],
                        Title_of_Review = title2[[2]],
                        Text_of_Review = text2[[2]],
                        stringsAsFactors = FALSE
                      )
head(skincare2, 50)

```

```

##           Category Product_number
## 1 Category 2: SKINCARE      Product 2
## 2 Category 2: SKINCARE      Product 2
## 3 Category 2: SKINCARE      Product 2
## 4 Category 2: SKINCARE      Product 2
## 5 Category 2: SKINCARE      Product 2
## 6 Category 2: SKINCARE      Product 2
## 7 Category 2: SKINCARE      Product 2
## 8 Category 2: SKINCARE      Product 2
## 9 Category 2: SKINCARE      Product 2
## 10 Category 2: SKINCARE      Product 2
## 11 Category 2: SKINCARE      Product 2
## 12 Category 2: SKINCARE      Product 2
## 13 Category 2: SKINCARE      Product 2
##
## 1      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 2      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 3      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal

```

```

## 4      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 5      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 6      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 7      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 8      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 9      CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 10     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 11     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 12     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
## 13     CeraVe Moisturizing Cream | Body and Face Moisturizer for Dry Skin | Body Cream with Hyal
##      Uername Rating      Date
## 1  Jenyan Martinez    5.0 September 26, 2024
## 2      Mohi          5.0  October 27, 2024
## 3    chicagoalum     5.0  October 20, 2024
## 4      M Stocki      5.0 November 30, 2024
## 5    Kira Williams   4.0 November 22, 2024
## 6      Nicole       5.0 November 17, 2024
## 7    Rami Alqudah    5.0  October 24, 2024
## 8    TallulahBelle   5.0  October 31, 2024
## 9      Adriana      5.0  December 4, 2023
## 10    shreshta pv    5.0    April 1, 2024
## 11    Aaisha Malik   5.0    July 24, 2024
## 12      Ahmed       5.0   August 6, 2024
## 13      Surya       5.0   July 11, 2023
##      Title_of_Review
## 1  Creamy Thick but Not Greasy - Super Hydrating
## 2      Good
## 3      AMAZING MOISTURIZER AT GREAT VALUE!
## 4      INCREDIBLE
## 5      Last long and works
## 6      Goes on smooth and not greasy
## 7      3 months honest review
## 8      I'm Loving This Cream
## 9      Excelente corporal para adulto mayor
## 10     Works wonders on any type of skin
## 11     Good product
## 12     One word. AMAZING
## 13     Doubtful
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7  I've always struggled with dry, flaky skin, especially during the colder months. No matter what I
my skin would go back to feeling tight and irritated after just a few hours. That is, until I came across
it absorbed quickly and left my skin feeling soft, hydrated, and calm, without that oily layer that some
less redness, more even texture, and just a natural glow that I never had before.If you're tired of dry
## 8
## 9
## 10
## 11
## 12

```

```
## 13
```

```
nama11 <- names2[[3]]
namez11 <- nama11[!grepl("Paula's Choice SKIN", nama11, ignore.case = TRUE)]
namez11 <- namez11[-(1:2)]
producto11 <- productnumber2[[3]]
producto11 <- rep(producto11, length.out = length(namez11))
produc11 <- nameofproduct2[[3]]
produc11 <- rep(produc11, length.out = length(namez11))
cater11 <- category2[[2]]
ca11 <- rep(cater11, length.out = length(namez11))

ratingz11 <- ratings2[[3]]
if (length(ratingz11) > length(namez11)) {
  ratingz11 <- tail(ratingz11, length(namez11))
} else if (length(ratingz11) < length(namez11)) {
  ratingz11 <- c(ratingz11, rep(NA, length(namez11) - length(ratingz11)))
}

skincare3 <- data.frame(Category = ca11,
                        Product_number = producto11,
                        Name_of_Product = produc11,
                        Username = namez11,
                        Rating = ratingz11,
                        Date = dates2[[3]],
                        Title_of_Review = title2[[3]],
                        Text_of_Review = text2[[3]],
                        stringsAsFactors = FALSE
                        )
head(skincare3, 50)
```

```
##          Category Product_number
## 1 Category 2: SKINCARE      Product 3
## 2 Category 2: SKINCARE      Product 3
## 3 Category 2: SKINCARE      Product 3
## 4 Category 2: SKINCARE      Product 3
## 5 Category 2: SKINCARE      Product 3
## 6 Category 2: SKINCARE      Product 3
## 7 Category 2: SKINCARE      Product 3
## 8 Category 2: SKINCARE      Product 3
## 9 Category 2: SKINCARE      Product 3
## 10 Category 2: SKINCARE      Product 3
## 11 Category 2: SKINCARE      Product 3
## 12 Category 2: SKINCARE      Product 3
## 13 Category 2: SKINCARE      Product 3
##
## 1      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 2      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 3      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 4      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 5      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 6      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 7      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 8      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 9      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
```

```

## 10      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfoliant
## 11      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfoliant
## 12      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfoliant
## 13      Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfoliant
##
##                               Username Rating      Date
## 1                               J. W.      5.0      May 25, 2024
## 2                        Amazon Customer      5.0      October 29, 2024
## 3                               Sean H      5.0      August 21, 2024
## 4                        Madison Zanco      4.0      August 21, 2024
## 5                        Radomir's Mom      5.0      October 11, 2024
## 6                        RONNA FIELD      5.0      May 18, 2024
## 7                        Wife and Mother      3.0      November 7, 2022
## 8                               T      5.0      September 8, 2024
## 9      Excelentes!!! Muy cómodos y hermosos      5.0      September 14, 2023
## 10                                Jeff Chong      5.0      November 23, 2023
## 11 muy delgada la tela no me encantó la calidad      2.0      May 18, 2024
## 12                                Brenda Morgan      5.0      October 3, 2023
## 13                                Bryan      1.0      June 15, 2021
##
##                               Title_of_Review
## 1                                Kinda freaky, but neat
## 2                                It works
## 3                        Feels harsh but I saw improvements fast
## 4 Great product but travel size is A LOT smaller than I thought it would be
## 5                                Use regularly
## 6                                Magnificent!
## 7                        Don't use these together
## 8                                Great products
## 9                                Piel hermosa
## 10                               Great service and delivery
## 11                        por favor chequen bien la medida son muy chiquitos
## 12                               Really tightens and smooths
## 13                               Son muestras del producto
##
## 1 Disclaimer: I'm a middle-aged guy who's never really ever done much with facial stuff other than
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13

```

```

nama12 <- names2[[4]]
namez12 <- nama12[!grepl("Glow Recipe - Watermelon", nama12, ignore.case = TRUE)]
namez12 <- namez12[-(1:2)]
producto12 <- productnumber2[[4]]
producto12 <- rep(producto12, length.out = length(namez12))
produc12 <- nameofproduct2[[4]]
produc12 <- rep(produc12, length.out = length(namez12))

```

```

cater12 <- category2[[2]]
ca12 <- rep(cater12, length.out = length(namez12))

ratingz12 <- ratings2[[4]]
if (length(ratingz12) > length(namez12)) {
  ratingz12 <- tail(ratingz12, length(namez12))
} else if (length(ratingz12) < length(namez12)) {
  ratingz12 <- c(ratingz12, rep(NA, length(namez12) - length(ratingz12)))
}

skincare4 <- data.frame(Category = ca12,
                        Product_number = producto12,
                        Name_of_Product = produc12,
                        Username = namez12,
                        Rating = ratingz12,
                        Date = dates2[[4]],
                        Title_of_Review = title2[[4]],
                        Text_of_Review = text2[[4]],
                        stringsAsFactors = FALSE
                        )

head(skincare4, 50)

```

```

##          Category Product_number
## 1 Category 2: SKINCARE      Product 4
## 2 Category 2: SKINCARE      Product 4
## 3 Category 2: SKINCARE      Product 4
## 4 Category 2: SKINCARE      Product 4
## 5 Category 2: SKINCARE      Product 4
## 6 Category 2: SKINCARE      Product 4
## 7 Category 2: SKINCARE      Product 4
## 8 Category 2: SKINCARE      Product 4
## 9 Category 2: SKINCARE      Product 4
## 10 Category 2: SKINCARE      Product 4
## 11 Category 2: SKINCARE      Product 4
## 12 Category 2: SKINCARE      Product 4
## 13 Category 2: SKINCARE      Product 4
##
## 1      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 2      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 3      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 4      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 5      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 6      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 7      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 8      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 9      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 10     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 11     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 12     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
## 13     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfoli
##
##          Username Rating      Date
## 1      Marissa Sisk      5.0 December 3, 2024
## 2      Amazon Customer    4.0 October 25, 2024
## 3      STEVE L VANGENDEREN 4.0 October 24, 2024

```



```

## 4          Jenny S.      5.0  November 5, 2024
## 5          Cayla       5.0  October 31, 2024
## 6          Isis       5.0  October 19, 2024
## 7          Ashley     5.0  October 31, 2024
## 8          Harper     5.0  October 20, 2024
## 9      Silvia Hacikoglu 2.0  November 26, 2024
## 10         Clieanmanon 2.0  October 23, 2024
## 11         Stefania   4.0  October 21, 2024
## 12         Susu       5.0   October 3, 2024
## 13      Amazon Customer 5.0    July 11, 2024
##
##          Title_of_Review
## 1          Love it
## 2          As pictured
## 3          Gives clear skin
## 4          Good product!
## 5          Yummy
## 6          This stuff is AMAZING
## 7          LOVE!!!!
## 8          Love it
## 9          Super
## 10         MINUSCULE
## 11  Nutriente e lascia la pelle un velluto
## 12         beste Makeup Unterlage!
## 13         face toner
##
## 1  I only got it because it was viral on tiktok. My skin is super sensitive and it has seemed to help
## 2          This product came in good condition and is exactly as pictured
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13

```

```

nama13 <- names2[[5]]
namez13 <- nama13[!grepl("YTTP Superfood Cleanser", nama13, ignore.case = TRUE)]
namez13 <- namez13[-(1:2)]
producto13 <- productnumber2[[5]]
producto13 <- rep(producto13, length.out = length(namez13))
produc13 <- nameofproduct2[[5]]
produc13 <- rep(produc13, length.out = length(namez13))
cater13 <- category2[[2]]
ca13 <- rep(cater13, length.out = length(namez13))

ratingz13 <- ratings2[[5]]
  if (length(ratingz13) > length(namez13)) {
    ratingz13 <- tail(ratingz13, length(namez13))
  } else if (length(ratingz13) < length(namez13)) {
    ratingz13 <- c(ratingz13, rep(NA, length(namez13) - length(ratingz13)))
  }

```

```

}

skincare5 <- data.frame(Category = ca13,
                        Product_number = producto13,
                        Name_of_Product = produc13,
                        Username = namez13,
                        Rating = ratingz13,
                        Date = dates2[[5]],
                        Title_of_Review = title2[[5]],
                        Text_of_Review = text2[[5]],
                        stringsAsFactors = FALSE
                        )

head(skincare5, 50)

```

```

##          Category Product_number
## 1 Category 2: SKINCARE      Product 5
## 2 Category 2: SKINCARE      Product 5
## 3 Category 2: SKINCARE      Product 5
## 4 Category 2: SKINCARE      Product 5
## 5 Category 2: SKINCARE      Product 5
## 6 Category 2: SKINCARE      Product 5
## 7 Category 2: SKINCARE      Product 5
## 8 Category 2: SKINCARE      Product 5
## 9 Category 2: SKINCARE      Product 5
## 10 Category 2: SKINCARE      Product 5
## 11 Category 2: SKINCARE      Product 5
## 12 Category 2: SKINCARE      Product 5
## 13 Category 2: SKINCARE      Product 5
##
## 1 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 2 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 3 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 4 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 5 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 6 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 7 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 8 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 9 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 10 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 11 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 12 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
## 13 Youth To The People Superfood Facial Cleanser - Kale and Green Tea Cleanser - Gentle Face
##
##          Username Rating      Date
## 1 Jason Nguyen      5.0 August 14, 2024
## 2 Jacob           5.0 October 25, 2024
## 3 Jennifer        5.0 October 13, 2024
## 4 Karen           5.0 November 2, 2024
## 5 Jezebel         5.0 November 16, 2024
## 6 Nicole          4.0 January 11, 2023
## 7 Beebee          5.0 October 19, 2024
## 8 Great Paper!    5.0 November 17, 2024
## 9 Valerie Ralph   5.0 October 30, 2024
## 10 Richard Kline  5.0 November 26, 2024
## 11 Christian Rex Piedad 5.0 September 19, 2024

```

```

## 12 ELIANA MARIA LOPEZ 2.0 July 9, 2022
## 13 CrazyPlantLady 5.0 November 9, 2024
## Title_of_Review
## 1 Add this to your morning/night routine ASAP.
## 2 Luxurious; Indulgent; Clean; Refreshing
## 3 Great product
## 4 Yummy
## 5 Makes skin feel soft
## 6 One of the best cleansers out there
## 7 Kale, Green Tea & Spinach cleanser
## 8 The best face cleaner!
## 9 Amazing!
## 10 The BEST facial cleanser I have ever used.
## 11 Amazing product
## 12 Not too good for me
## 13 Best cleanser!
##
## 1 I've been using the Youth To The People Superfood Facial Cleanser for almost a year now, and I ha
## 2
## 3
## 4
## 5
## 6 First off, I am 28 years old, I have combination to oily skin and also very sensitiv
## 7
## 8
## 9
## 10
## 11
## 12
## 13

nama14 <- n2[[6]]
namez14 <- nama14[!grepl("G&S TV Ad Video", nama14, ignore.case = TRUE)]
namez14 <- namez14[~(1:2)]
namez14 <- unique(namez14)
producto14 <- productnumber2[[6]]
producto14 <- rep(producto14, length.out = length(namez14))
produc14 <- nameofproduct2[[6]]
produc14 <- rep(produc14, length.out = length(namez14))
cater14 <- category2[[2]]
ca14 <- rep(cater14, length.out = length(namez14))

ratingz14 <- ratings2[[6]]
if (length(ratingz14) > length(namez14)) {
  ratingz14 <- tail(ratingz14, length(namez14))
} else if (length(ratingz14) < length(namez14)) {
  ratingz14 <- c(ratingz14, rep(NA, length(namez14) - length(ratingz14)))
}

skincare6 <- data.frame(Category = ca14,
  Product_number = producto14,
  Name_of_Product = produc14,
  Username = namez14,
  Rating = ratingz14,
  Date = dates2[[6]],

```

```

        Title_of_Review = title2[[6]],
        Text_of_Review = text2[[6]],
        stringsAsFactors = FALSE
    )
head(skincare6, 50)

```

```

##          Category Product_number
## 1 Category 2: SKINCARE      Product 6
## 2 Category 2: SKINCARE      Product 6
## 3 Category 2: SKINCARE      Product 6
## 4 Category 2: SKINCARE      Product 6
## 5 Category 2: SKINCARE      Product 6
## 6 Category 2: SKINCARE      Product 6
## 7 Category 2: SKINCARE      Product 6
## 8 Category 2: SKINCARE      Product 6
## 9 Category 2: SKINCARE      Product 6
## 10 Category 2: SKINCARE      Product 6
## 11 Category 2: SKINCARE      Product 6
## 12 Category 2: SKINCARE      Product 6
## 13 Category 2: SKINCARE      Product 6
##
## 1      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 2      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 3      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 4      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 5      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 6      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 7      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 8      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 9      grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 10     grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 11     grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 12     grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
## 13     grace & stella Under Eye Patches for Puffy Eyes and Dark Circles (Retinol, 24 Pairs) Resto
##
##          Username Rating      Date
## 1      Travis Louallen    5.0  February 7, 2024
## 2           Rachel      5.0  October 10, 2024
## 3           Sir         4.0  November 29, 2024
## 4      Holly Manfred     5.0  November 4, 2024
## 5           JLM         3.0  October 12, 2024
## 6      Heidi Wetzl      5.0  November 26, 2024
## 7      Sarah Metzger    5.0  October 10, 2024
## 8      BoyMomx3         4.0  November 26, 2024
## 9  TrajectoryChangeWithLindsay  5.0  November 25, 2024
## 10          Taylor      5.0  November 12, 2024
## 11      Sveta Markovskaja  5.0  November 21, 2024
## 12          Rita K      5.0  September 18, 2024
## 13  Eastern canadian buyer  4.0  October 25, 2024
##
##          Title_of_Review
## 1      A Game-Changer for Puffy Eyes and Dark Circles
## 2      Amazing feeling and eyes left soft and not tired
## 3      LOVE IT
## 4      Love these!
## 5      Meh..

```

```
## 6 Very nice texture. Doesn't slip and my results were awesome!
## 7          WHAT an AMAZING difference these make!!! LOVE!
## 8                                     It works...sort of
## 9          Grace & Stella Under Eye Masks with Retinol - Review
## 10                                     Way better then Sephora
## 11                                     Ottimo prodotto
## 12                                     Instant Refresh
## 13                                     Nice applied outa the fridge
##
## 1 I recently had the pleasure of trying out the Grace & Stella Purple Under Eye Masks, and let me t
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
plus, they're gentle enough for sensitive skin.Whether you're prepping for a big event or simply combat
## 10
## 11
## 12
## 13
```

```
nama15 <- names2[[7]]
namez15 <- nama15[!grepl("BAIMEI jade roller", nama15, ignore.case = TRUE)]
namez15 <- namez15[-(1:2)]
producto15 <- productnumber2[[7]]
producto15 <- rep(producto15, length.out = length(namez15))
produc15 <- nameofproduct2[[7]]
produc15 <- rep(produc15, length.out = length(namez15))
cater15 <- category2[[2]]
ca15 <- rep(cater15, length.out = length(namez15))

ratingz15 <- ratings2[[7]]
  if (length(ratingz15) > length(namez15)) {
    ratingz15 <- tail(ratingz15, length(namez15))
  } else if (length(ratingz15) < length(namez15)) {
    ratingz15 <- c(ratingz15, rep(NA, length(namez15) - length(ratingz15)))
  }
```

```
skincare7 <- data.frame(Category = ca15,
                        Product_number = producto15,
                        Name_of_Product = produc15,
                        Username = namez15,
                        Rating = ratingz15,
                        Date = dates2[[7]],
                        Title_of_Review = title2[[7]],
                        Text_of_Review = text2[[7]],
                        stringsAsFactors = FALSE
                      )
head(skincare7, 50)
```

```
##          Category Product_number
## 1 Category 2: SKINCARE      Product 7
```

```
## 2 Category 2: SKINCARE      Product 7
## 3 Category 2: SKINCARE      Product 7
## 4 Category 2: SKINCARE      Product 7
## 5 Category 2: SKINCARE      Product 7
## 6 Category 2: SKINCARE      Product 7
## 7 Category 2: SKINCARE      Product 7
## 8 Category 2: SKINCARE      Product 7
## 9 Category 2: SKINCARE      Product 7
## 10 Category 2: SKINCARE     Product 7
## 11 Category 2: SKINCARE     Product 7
## 12 Category 2: SKINCARE     Product 7
## 13 Category 2: SKINCARE     Product 7
```

```
##
## 1      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 2      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 3      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 4      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 5      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 6      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 7      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 8      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 9      BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 10     BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 11     BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 12     BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
## 13     BAIMEI IcyMe Gua Sha & Jade Roller Facial Tools Face Roller and Gua Sha Set for Puffiness
```

```
##          Uername Rating      Date
## 1          Jackie M.      5.0  October 29, 2024
## 2  Blessed With The Hands      5.0  November 8, 2024
## 3          Alejandro      4.0 November 21, 2024
## 4          YaniRamos20      5.0 November 24, 2024
## 5          Stephanie      5.0  November 1, 2024
## 6          CMichNay      3.0  October 11, 2024
## 7      Amazon Customer      5.0  October 11, 2024
## 8          Miss Niki      5.0  October 22, 2024
## 9          Angela      5.0  December 1, 2024
## 10         Kelvin      4.0    June 14, 2022
## 11         selena      5.0    May 23, 2022
## 12      Cliente Amazon      5.0  October 31, 2024
## 13 Svitlana Kriupeniukova      5.0  October 24, 2024
```

```
##
## 1                                     Title_of_R
## 2                                     Effective and high qual
## 3                                     Not cheaply m
## 4                                     A Wonderful Addition to My Skincare Rout
## 5                                     Refreshing Morning Ri
## 6                                     Great produ
## 7                                     Headache re
## 8                                     Not
## 9                                     Nice qual
## 10                                     Very nice produ
## 11                                     Soop pr
## 12                                     Estupe
## 13  BAIMEI Gua Sha und Gesichtsroller Tool, Jade Roller Gesichts- und Nackenmassagegerät Skincare, G
```

```
##
## 1
## 2
## 3
## 4
## 5
## 6 I'm not sure about beauty benefits, so I can't speak to that. Most often I use these when I have
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
nama16 <- names2b[[1]]
namez16 <- nama16[!grepl("Mario Badescu facial Spray Family", nama16, ignore.case = TRUE)]
namez16 <- namez16[-(1:2)]
producto16 <- productnumber2b[[1]]
producto16 <- rep(producto16, length.out = length(namez16))
produc16 <- nameofproduct2b[[1]]
produc16 <- rep(produc16, length.out = length(namez16))
cater16 <- category2b[[2]]
ca16 <- rep(cater16, length.out = length(namez16))
```

```
ratingz16 <- ratings2b[[1]]
if (length(ratingz16) > length(namez16)) {
  ratingz16 <- tail(ratingz16, length(namez16))
} else if (length(ratingz16) < length(namez16)) {
  ratingz16 <- c(ratingz16, rep(NA, length(namez16) - length(ratingz16)))
}
```

```
skincare8 <- data.frame(Category = ca16,
                        Product_number = producto16,
                        Name_of_Product = produc16,
                        Username = namez16,
                        Rating = ratingz16,
                        Date = dates2b[[1]],
                        Title_of_Review = title2b[[1]],
                        Text_of_Review = text2b[[1]],
                        stringsAsFactors = FALSE
)
head(skincare8, 50)
```

```
##          Category Product_number
## 1 Category 2: SKINCARE      Product 8
## 2 Category 2: SKINCARE      Product 8
## 3 Category 2: SKINCARE      Product 8
## 4 Category 2: SKINCARE      Product 8
## 5 Category 2: SKINCARE      Product 8
## 6 Category 2: SKINCARE      Product 8
## 7 Category 2: SKINCARE      Product 8
## 8 Category 2: SKINCARE      Product 8
## 9 Category 2: SKINCARE      Product 8
## 10 Category 2: SKINCARE      Product 8
```

```

## 11 Category 2: SKINCARE      Product 8
## 12 Category 2: SKINCARE      Product 8
## 13 Category 2: SKINCARE      Product 8
##
## 1      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 2      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 3      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 4      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 5      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 6      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 7      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 8      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 9      Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 10     Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 11     Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 12     Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
## 13     Mario Badescu Facial Spray with Aloe, Herbs and Rose Water for All Skin Types, Face Mist
##
##                                     Uername
## 1                                     Seth Washinowski
## 2                                     taramaxwell
## 3                                     abme
## 4                                     chelsea
## 5 Love this lip gloss, very shiny and not sticky but a good weight on the lips! I will repurchase!
## 6                                     Kathryn Ley
## 7                                     Cj
## 8                                     Misty
## 9                                     Nada Alghosain
## 10                                    Alana M.
## 11                                    Valeria Treviño Garza
## 12                                    Nuni
## 13                                    Jasmijn
##
##      Rating      Date      Title_of_Review
## 1      5.0   October 16, 2024   Refreshing and vitalizing
## 2      5.0 September 14, 2024   Refreshing and super fem
## 3      4.0   December 1, 2024           Great.
## 4      4.0    July 24, 2024   Leaks In Transit - Beware!
## 5      5.0   December 3, 2024           Love
## 6      5.0 November 25, 2024   This is a great product!
## 7      5.0   October 18, 2024   Hydrates and smells good
## 8      5.0 November 20, 2024   Beautiful smell!
## 9      5.0   December 2, 2024   The Og Tower 28.
## 10     5.0    July 26, 2024   Smells great and feels amazing
## 11     5.0 February 23, 2024   Olor agradable.
## 12     5.0 November 27, 2024   Obsessed with this!
## 13     5.0   October 31, 2024   smells so good
##
## 1
## 2
light, floral, and super feminine. It's a refreshing boost for my skin, and I find myself reaching for
## 3
## 4 I adore this facial spray, it feels so refreshing and the smell is nice without being overpowering
## 5
## 6
## 7

```



```
## 8
## 9
## 10
## 11
## 12
## 13

nama17 <- names2b[[2]]
namez17 <- nama17[!grepl("Why Im OBSESSED", nama17, ignore.case = TRUE)]
namez17 <- namez17[-(1:2)]
producto17 <- productnumber2b[[2]]
producto17 <- rep(producto17, length.out = length(namez17))
produc17 <- nameofproduct2b[[2]]
produc17 <- rep(produc17, length.out = length(namez17))
cater17 <- category2b[[2]]
ca17 <- rep(cater17, length.out = length(namez17))

ratingz17 <- ratings2b[[1]]
if (length(ratingz17) > length(namez17)) {
  ratingz17 <- tail(ratingz17, length(namez17))
} else if (length(ratingz17) < length(namez17)) {
  ratingz17 <- c(ratingz17, rep(NA, length(namez17) - length(ratingz17)))
}
```

```
skincare9 <- data.frame(Category = ca17,
  Product_number = producto17,
  Name_of_Product = produc17,
  Username = namez17,
  Rating = ratingz17,
  Date = dates2b[[2]],
  Title_of_Review = title2b[[2]],
  Text_of_Review = text2b[[2]],
  stringsAsFactors = FALSE
)
head(skincare9, 50)
```

```
##          Category Product_number
## 1 Category 2: SKINCARE      Product 9
## 2 Category 2: SKINCARE      Product 9
## 3 Category 2: SKINCARE      Product 9
## 4 Category 2: SKINCARE      Product 9
## 5 Category 2: SKINCARE      Product 9
## 6 Category 2: SKINCARE      Product 9
## 7 Category 2: SKINCARE      Product 9
## 8 Category 2: SKINCARE      Product 9
## 9 Category 2: SKINCARE      Product 9
## 10 Category 2: SKINCARE      Product 9
## 11 Category 2: SKINCARE      Product 9
## 12 Category 2: SKINCARE      Product 9
## 13 Category 2: SKINCARE      Product 9
##
```

```
## 1      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and C
## 2      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and C
## 3      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and C
## 4      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and C
```

```

## 5      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 6      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 7      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 8      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 9      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 10     BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 11     BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 12     BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 13     BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
##      Username Rating      Date
## 1      Evo      5.0    October 8, 2024
## 2 Amazon Customer      5.0    October 21, 2024
## 3      jillio12      4.0    October 3, 2024
## 4 Kindle Customer      4.0    December 4, 2024
## 5      JEG      5.0    October 1, 2024
## 6      Liz      5.0    October 13, 2024
## 7      Martina O.      5.0    November 11, 2024
## 8 Amazon Customer      5.0    September 22, 2024
## 9      Noha      5.0    October 30, 2024
## 10     Serena      5.0    August 14, 2024
## 11 Amazon anon      5.0    December 2, 2024
## 12 Chelsea Roberts      5.0    April 23, 2024
## 13     Reviewer      5.0    July 28, 2024
##      Title_of_Review
## 1      moisturizes without the grease
## 2      THE BEST EVER
## 3      SUPER for sensitive skin
## 4      DISGUSTING
## 5      Yuka approved
## 6      Glass Skin Goals
## 7      love thisss
## 8      Love the product, but it's broken
## 9      Seal broken and product looks used
## 10     Holy grail
## 11     Holy grail for oily sensitive skin!
## 12     First try will update after continuous use
## 13     Affordable and Amazing.
##
## 1
## 2
## 3      I have crazy sensitive skin that's ravaged by
## 4
## 5
## 6
## 7
## 8
## 9
## 10     This moisturiser is an absolute GAMECHANGER.It is the
## 11
## 12     First time applying and it's a very cute and appealing design, lightweight, pump didn't work at f
## 13

```

```

nama18 <- names2b[[3]]
namez18 <- nama18[!grepl("This wrapping mask", nama18, ignore.case = TRUE)]

```

```

namez18 <- namez18[-(1:2)]
producto18 <- productnumber2b[[3]]
producto18 <- rep(producto18, length.out = length(namez18))
produc18 <- nameofproduct2b[[3]]
produc18 <- rep(produc18, length.out = length(namez18))
cater18 <- category2b[[2]]
ca18 <- rep(cater18, length.out = length(namez18))

ratingz18 <- ratings2b[[1]]
if (length(ratingz18) > length(namez18)) {
  ratingz18 <- tail(ratingz18, length(namez18))
} else if (length(ratingz18) < length(namez18)) {
  ratingz18 <- c(ratingz18, rep(NA, length(namez18) - length(ratingz18)))
}

skincare10 <- data.frame(Category = ca18,
  Product_number = producto18,
  Name_of_Product = produc18,
  Username = namez18,
  Rating = ratingz18,
  Date = dates2b[[3]],
  Title_of_Review = title2b[[3]],
  Text_of_Review = text2b[[3]],
  stringsAsFactors = FALSE
)

head(skincare10, 50)

```

```

##          Category Product_number
## 1 Category 2: SKINCARE      Product 10
## 2 Category 2: SKINCARE      Product 10
## 3 Category 2: SKINCARE      Product 10
## 4 Category 2: SKINCARE      Product 10
## 5 Category 2: SKINCARE      Product 10
## 6 Category 2: SKINCARE      Product 10
## 7 Category 2: SKINCARE      Product 10
## 8 Category 2: SKINCARE      Product 10
## 9 Category 2: SKINCARE      Product 10
## 10 Category 2: SKINCARE      Product 10
## 11 Category 2: SKINCARE      Product 10
## 12 Category 2: SKINCARE      Product 10
## 13 Category 2: SKINCARE      Product 10
##
## 1      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 2      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 3      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 4      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 5      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 6      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 7      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 8      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 9      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 10     Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 11     Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
## 12     Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C

```

```

## 13      Medicube Collagen Overnight Wrapping Peel Off Facial Mask Pack - Elasticity & Hydration C
##          Username Rating      Date
## 1          Sam      5.0 November 27, 2024
## 2      Stephanie      5.0 November 25, 2024
## 3      Julia Koslow      4.0  December 4, 2024
## 4      Kitty Purfect      4.0  October 23, 2024
## 5      dawn degrazia      5.0 November 18, 2024
## 6      Gretchen Spencer      5.0 November 23, 2024
## 7          Mimi      5.0  November 4, 2024
## 8          Ilium      5.0 November 24, 2024
## 9          Hind A.      5.0 November 23, 2024
## 10         nejood      5.0 November 11, 2024
## 11      Dr Vimuktha      5.0  November 4, 2024
## 12         LULUBERA      5.0  October 23, 2024
## 13 Abdullah Alsharif      5.0  December 1, 2024
##                                     Title_of_Review
## 1  Glass skin overnight but beware of getting it in your hair
## 2                                     Surprisingly good for pores
## 3                                     Leaves my skin nice!
## 4                                     Let's be real
## 5                                     High quality, great results!
## 6                                     Liquid gold
## 7                                     It's just okay
## 8                                     Side sleeper
## 9
## 10
## 11                                     Love it...
## 12
## 13                                     This is litterly clear glue!
##
## 1
## 2  I was skeptical from buying skincare from Amazon because there's always the risk to get fake prod
## 3
## 4
## 5                                     If you
## 6  you're not going to wake up with "glass skin." That whole trend is overrated, and no product can delive
## 7
## 8
## 9
## 10
## 11
## 12
## 13

```

```

urls3 <- c('https://www.amazon.com/Marc-Jacobs-Daisy-Toilette-Spray-125ml/dp/B004IZJ2QG/ref=sr_1_6?crid=
nameofproduct3 <- vector("list", length(urls3))
names3 <- vector("list", length(urls3))
ratings3 <- vector("list", length(urls3))
dates3 <- vector("list", length(urls3))
title3 <- vector("list", length(urls3))
text3 <- vector("list", length(urls3))
n3 <- vector("list", length(urls3))

```

```

df <- list()

for (i in seq_along(urls3)) {
  session3 <- bow(urls3[i], user_agent = "Educational")
  webpage3 <- scrape(session3)

  nam3 <- webpage3 %>% html_nodes(".a-profile-name") %>% html_text()
  nam3 <- nam3[!grepl("Fitbit Charge 6|AEAC Smart Watch", nam3, ignore.case = TRUE)]
  nam3 <- nam3[nam3 != ""]
  n3[[i]] <- nam3
  name3 <- c()
  non_amazon_seen3 <- FALSE
  for (na3 in nam3) {
    if (na3 == "Amazon Customer") {

      if (non_amazon_seen3) {
        name3 <- c(name3, na3)
      }
    } else {
      name3 <- c(name3, na3)
      non_amazon_seen3 <- TRUE
    }
  }
  name3 <- name3[!duplicated(name3) | name3 == "Amazon Customer"]
  names3[[i]] <- name3

  nameofproduct3[[i]] <- webpage3 %>%
html_nodes('.a-size-large.product-title-word-break') %>%
html_text()
  nameofproduct3[[i]] <- rep(nameofproduct3[[i]], length.out = length(names3[[i]]))

  rate3 <- webpage3 %>% html_nodes(".a-icon-alt") %>% html_text()
  rati3 <- rate3[!grepl("Previous page|Next page|Previous set of slides|Next set of slides", rate3, ignore.case = TRUE)]
  rat3 <- gsub(" out of 5 stars", "", rati3)
  rats3 <- rat3
  if (length(rats3) > length(name3)) {
    rats3 <- tail(rats3, length(name3))
  } else if (length(rats3) < length(name3)) {
    rats3 <- c(rats3, rep(NA, length(name3) - length(rats3)))
  }

  ratings3[[i]] <- rats3

  dat3 <- webpage3 %>% html_nodes(".a-size-base.a-color-secondary.review-date") %>% html_text()
  date3 <- gsub("Reviewed.*on ", "", dat3)
  dates3[[i]] <- date3

  titl3 <- webpage3 %>% html_nodes(".a-size-base.review-title.a-color-base.review-title-content.a-text") %>% html_text()
  tit3 <- gsub("Reviewed.*on ", "", titl3)
  ti3 <- gsub(".*stars\\s*", "", tit3)
  t3 <- gsub("\\s+", " ", ti3)
  title3[[i]] <- t3

```

```

tex3 <- webpage3 %>% html_nodes(".a-expander-content.reviewText.review-text-content.a-expander-part
te3 <- gsub("\\n", " ", tex3)
t3 <- gsub("\\s+", " ", te3)
text3[[i]] <- trimws(t3)
}

```

```

cate3 <- c("Category 1: WATCH", "Category 2: SKINCARE", "Category 3: PERFUME", "Category 4", "Category 5
category3 <- vector("list", length(cate3))
for (i in seq_along(cate3)) {
  category3[[i]] <- cate3[i]
}

```

```

for (i in seq_along(cate3)) {
  category3[[i]] <- rep(category3[[i]], length.out = length(names3[[i]]))
}

```

```

productnumbe3 <- c("Product 1", "Product 2", "Product 3", "Product 4", "Product 5", "Product 6", "Produ
productnumber3 <- vector("list", length(productnumbe3))
for (i in seq_along(productnumbe3)) {
  productnumber3[[i]] <- productnumbe3[i]
}
for (i in seq_along(urls3)) {
  productnumber3[[i]] <- rep(productnumber3[[i]], length.out = length(names3[[i]]))
}

```

```

urls3b <- c('https://www.amazon.com/Victorias-Secret-Tease-Fragrance-8-4oz/dp/B09V1QM8VR/ref=sr_1_46?di
nameofproduct3b <- vector("list", length(urls3b))
names3b <- vector("list", length(urls3b))
ratings3b <- vector("list", length(urls3b))
dates3b <- vector("list", length(urls3b))
title3b <- vector("list", length(urls3b))
text3b <- vector("list", length(urls3b))
n3b <- vector("list", length(urls3b))

```

```

df <- list()

```

```

for (i in seq_along(urls3b)) {
  session3b <- bow(urls3b[i], user_agent = "Educational")
  webpage3b <- scrape(session3b)

```

```

nam3b <- webpage3b %>% html_nodes(".a-profile-name") %>% html_text()
nam3b <- nam3b[!grepl("Fitbit Charge 6|AEAC Smart Watch", nam3b, ignore.case = TRUE)]
nam3b <- nam3b[nam3b != ""]
n3b[[i]] <- nam3b
name3b <- c()
non_amazon_seen3b <- FALSE
for (na3b in nam3b) {
  if (na3b == "Amazon Customer") {

    if (non_amazon_seen3b) {
      name3b <- c(name3b, na3b)
    }
  } else {
    name3b <- c(name3b, na3b)

```

```

        non_amazon_seen3b <- TRUE
      }
    }
    name3b <- name3b[!duplicated(name3b) | name3b == "Amazon Customer"]
    names3b[[i]] <- name3b

    nameofproduct3b[[i]] <- webpage3b %>%
html_nodes('.a-size-large.product-title-word-break') %>%
html_text()
    nameofproduct3b[[i]] <- rep(nameofproduct3b[[i]], length.out = length(names3b[[i]]))

    rate3b <- webpage3b %>% html_nodes(".a-icon-alt") %>% html_text()
    rati3b <- rate3b[!grepl("Previous page|Next page|Previous set of slides|Next set of slides", rate3b)]
    rat3b <- gsub(" out of 5 stars", "", rati3b)
    rats3b <- rat3b
    if (length(rats3b) > length(name3b)) {
      rats3b <- tail(rats3b, length(name3b))
    } else if (length(rats3b) < length(name3b)) {
      rats3b <- c(rats3b, rep(NA, length(name3b) - length(rats3b)))
    }
    ratings3b[[i]] <- rats3b
    dat3b <- webpage3b %>% html_nodes(".a-size-base.a-color-secondary.review-date") %>% html_text()
    date3b <- gsub("Reviewed.*on ", "", dat3b)
    dates3b[[i]] <- date3b

    titl3b <- webpage3b %>% html_nodes(".a-size-base.review-title.a-color-base.review-title-content.a-t")
    tit3b <- gsub("Reviewed.*on ", "", titl3b)
    ti3b <- gsub(".*stars\\s*", "", tit3b)
    t3b <- gsub("\\s+", " ", ti3b)
    title3b[[i]] <- t3b

    tex3b <- webpage3b %>% html_nodes(".a-expander-content.reviewText.review-text-content.a-expander-pa")
    te3b <- gsub("\\n", " ", tex3b)
    t3b <- gsub("\\s+", " ", te3b)
    text3b[[i]] <- trimws(t3b)
  }

cate3b <- c("Category 1: WATCH", "Category 2: SKINCARE", "Category 3: PERFUME", "Category 4:", "Category")
category3b <- vector("list", length(cate3b))
for (i in seq_along(cate3b)) {
  category3b[[i]] <- cate3b[i]
}

for (i in seq_along(urls3b)) {
  category3b[[i]] <- rep(category3b[[i]], length.out = length(names3b[[i]]))
}

productnumbe3b <- c("Product 8", "Product 9", "Product 10")
productnumber3b <- vector("list", length(productnumbe3b))
for (i in seq_along(productnumbe3b)) {
  productnumber3b[[i]] <- productnumbe3b[i]
}

for (i in seq_along(productnumber3b)) {
  productnumber3b[[i]] <- rep(productnumber3b[[i]], length.out = length(names3b[[i]]))
}

```

```
}
```

```
names3
```

```
## [[1]]
## [1] "What You Should Know About DAISY by Marc Jacobs"
## [2] "Amazon Customer"
## [3] "Amazon Customer"
## [4] "SF"
## [5] "Chrissy"
## [6] "Teresa "
## [7] "Josephine M Sowa"
## [8] "Mary "
## [9] "Susan G"
## [10] "Erin Hunter"
## [11] "Esmeralda Green"
## [12] "Hugo"
## [13] "Galadriel"
## [14] "Zakaria Benmassaoud"
## [15] "Stephanie Pozzo"
## [16] "Gecilene Seguins da silva"
##
## [[2]]
## [1] "How is Ralph by Ralph Lauren?" "Amazon Customer"
## [3] "Amazon Customer" "Atesha"
## [5] "TamTam" "Allan Petersdorf"
## [7] "Lela88" "DANIEL A LIZARRAGA V"
## [9] "Aaron" "Victoria R"
## [11] "Morgan H" "Enrique Manuel Cazares Segovia"
## [13] "Angela Lavallee" "Eva Privateva"
## [15] "Usuario" "Laluna"
##
## [[3]]
## [1] "La Vie Est Belle Women's Fragrance" "Amazon Customer"
## [3] "Amazon Customer" "Aurora"
## [5] "Samantha Ruple" "Marie Sempek"
## [7] "I Do The Speed Limit" "Placeholder"
## [9] "LH" "Amazon Customer"
## [11] "Ms Pi" "Jeh"
## [13] "VICTOR HUGO CASTRO GARCIA" "Osvaldo garcia"
## [15] "Jean" "Sarah"
##
## [[4]]
## [1] "Victoria's Secret Bare Vanilla Body Spray | Review"
## [2] "Amazon Customer"
## [3] "Amazon Customer"
## [4] "Ayla Royce"
## [5] "David Houck"
## [6] "Destiny"
## [7] "Davetta W."
## [8] "Joyce"
## [9] "The best!"
## [10] "Everything about it was perfect it heated quick and the flatiron straight my hair lovely and I
## [11] "Emily Villa"
```



```

## [12] "Magdalena R."
## [13] "No se me entregó el producto "
## [14] "MONICA"
## [15] "Chrystelle Laurin "
## [16] "Ana Maria Costa Soares"
##
## [[5]]
## [1] "Bombshell Seduction Video" "Amazon Customer"
## [3] "Amazon Customer"          "Kay"
## [5] "Maria Jimenez"            "Anisha Thapa"
## [7] "Calikaykay91"             "D. Champ"
## [9] "Ash "                     "Beth Crossland"
## [11] "Jodiann bryan"            "Juciane Santos"
## [13] "Francesco M."             "etlast"
## [15] "Massimo Modestini"        "Tubs"
##
## [[6]]
## [1] "Honest Review Of Marc Jacobs Perfect Fragrance. Is It Worth It?"
## [2] "Amazon Customer"
## [3] "Amazon Customer"
## [4] "That Social Mom"
## [5] "Brenda Valdez"
## [6] "Dawn Trope"
## [7] "Kedian Gentles-McCalla"
## [8] "Anna G"
## [9] "Sonya Saunders"
## [10] "Samantha Ross"
## [11] "Arlington "
## [12] "Caroline"
## [13] "Alex Ponce"
## [14] "nutty_granny"
## [15] "Lesefreund"
## [16] "Christina A."
##
## [[7]]
## [1] "The ReCap: Gucci Bloom for Women Eau de Parfum"
## [2] "Amazon Customer"
## [3] "Amazon Customer"
## [4] "Blaine Hale"
## [5] "Madamma62"
## [6] "Kristy Cox "
## [7] "Kathleen"
## [8] "mimi"
## [9] "Buen producto..lo recomiendo"
## [10] "Placeholder"
## [11] "Nice"
## [12] "Hilda C."
## [13] "Suzie c."
## [14] "Erika Morales"
## [15] "ken dunn"
## [16] "Klaus Kirstein"

```

```
names3b
```

```
## [[1]]
```

```

## [1] "Victoria's Secret Tease Video" "Amazon Customer"
## [3] "Amazon Customer"                "Kandace "
## [5] "Aaliyah"                        "Nancy"
## [7] "Lina girl"                      "Excited Shopper"
## [9] " :)"                            "Amazon Customer"
## [11] "Lacey Lemons"                  "Ignoma"
## [13] "Rosa"                          "Npa"
## [15] "MIRELA "                       "Uschi"
##
## [[2]]
## [1] "Victoria's Secret Tease Video"
## [2] "Amazon Customer"
## [3] "Amazon Customer"
## [4] "Shawna S."
## [5] "Jennifer Haney"
## [6] "Leela"
## [7] "Emilie Chapman"
## [8] "Jess"
## [9] "Ally"
## [10] "Terri"
## [11] "E "
## [12] "Merna"
## [13] "KSolo"
## [14] "Sahir khan"
## [15] "Dura muy poco parece colonia en vez de perfume "
## [16] "Manisha"
##
## [[3]]
## [1] "MUGLER Angel Eau de Parfum" "Amazon Customer"
## [3] "Amazon Customer"          "Julie Dirt"
## [5] "Amazon Customer"          "Amazon Customer"
## [7] "Jmarie"                   "John Q Customer"
## [9] "Shag"                     "Laura R. Alonso"
## [11] "Chip"                     "AMAURI ENRIQUE VEGA MORAN."
## [13] "Amazon Customer"          "Ruth Locatel "
## [15] "Juciane Santos"           "Bob Hamilton"

nama31 <- names3[[1]]
namez31 <- nama31[!grepl("What You Should", nama31, ignore.case = TRUE)]
namez31 <- namez31[-(1:2)]
producto31 <- productnumber3[[1]]
producto31 <- rep(producto31, length.out = length(namez31))
produc31 <- nameofproduct3[[1]]
produc31 <- rep(produc31, length.out = length(namez31))
cater31 <- category3[[3]]
ca31 <- rep(cater31, length.out = length(namez31))

ratingz31 <- ratings3[[1]]
if (length(ratingz31) > length(namez31)) {
  ratingz31 <- tail(ratingz31, length(namez31))
} else if (length(ratingz31) < length(namez31)) {
  ratingz31 <- c(ratingz31, rep(NA, length(namez31) - length(ratingz31)))
}

```

```

perfume1 <- data.frame(Category = ca31,
                        Product_number = producto31,
                        Name_of_Product = produc31,
                        Uername = namez31,
                        Rating = ratingz31,
                        Date = dates3[[1]],
                        Title_of_Review = title3[[1]],
                        Text_of_Review = text3[[1]],
                        stringsAsFactors = FALSE
                      )
head(perfume1, 50)

```

```

##          Category Product_number
## 1 Category 3: PERFUME      Product 1
## 2 Category 3: PERFUME      Product 1
## 3 Category 3: PERFUME      Product 1
## 4 Category 3: PERFUME      Product 1
## 5 Category 3: PERFUME      Product 1
## 6 Category 3: PERFUME      Product 1
## 7 Category 3: PERFUME      Product 1
## 8 Category 3: PERFUME      Product 1
## 9 Category 3: PERFUME      Product 1
## 10 Category 3: PERFUME      Product 1
## 11 Category 3: PERFUME      Product 1
## 12 Category 3: PERFUME      Product 1
## 13 Category 3: PERFUME      Product 1
##
##                                     Name_of_Product
## 1      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 2      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 3      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 4      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 5      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 6      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 7      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 8      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 9      Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 10     Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 11     Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 12     Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
## 13     Marc Jacobs Daisy Eau So Fresh Eau de Toilette Spray-125ml/4.25 oz.
##
##          Uername Rating      Date
## 1              SF    5.0 November 23, 2024
## 2           Chrissy    5.0 November 22, 2024
## 3            Teresa    5.0 November 20, 2024
## 4   Josephine M Sowa    5.0 November 22, 2024
## 5              Mary    5.0  November 6, 2024
## 6            Susan G    4.0  October 14, 2024
## 7           Erin Hunter    5.0  December 5, 2024
## 8     Esmeralda Green    5.0  December 1, 2024
## 9              Hugo    5.0   August 6, 2024
## 10           Galadriel    5.0  December 4, 2023
## 11   Zakaria Benmassaoud    5.0  October 22, 2023
## 12      Stephanie Pozzo    5.0  January 29, 2022
## 13  Gecilene Seguins da silva    5.0 November 14, 2021

```

```
##                               Title_of_Review
## 1                             Smells Good
## 2                             Birthday gift
## 3                             My favorite
## 4           Your man will go crazy for you.
## 5                             Perfume
## 6           Definitely a summer beauty
## 7           Long lasting smell
## 8                             Mm mm good
## 9                             Fantástica
## 10                            ¡Huele delicioso!
## 11                            Produit authentique
## 12 Birthday gift for my daughter. She loves it!
## 13           Suave, cheirinho de manhã de chuva.
##
## 1           My mom loves this perfume. It's very subtle and the price is awesome. I could
## 2 The media could not be loaded. Got it for my friend birthday, she loves it, smells amazing and la
## 3                                                     Packaged nicely
## 4           Ladies this spray will make your man want to eat you with you
## 5
## 6
## 7                                                     Even though th
## 8
## 9
## 10
## 11           Parfum très frais, sent trop bon, pas trop fort et c'est ce
## 12                                                     My daughter asked for this
## 13
```

```
nama32 <- names3[[2]]
namez32 <- nama32[!grepl("How is Ralph", nama32, ignore.case = TRUE)]
namez32 <- namez32[-(1:2)]
producto32 <- productnumber3[[2]]
producto32 <- rep(producto32, length.out = length(namez32))
produc32 <- nameofproduct3[[2]]
produc32 <- rep(produc32, length.out = length(namez32))
cater32 <- category3[[3]]
ca32 <- rep(cater32, length.out = length(namez32))

ratingz32 <- ratings3[[2]]
if (length(ratingz32) > length(namez32)) {
  ratingz32 <- tail(ratingz32, length(namez32))
} else if (length(ratingz32) < length(namez32)) {
  ratingz32 <- c(ratingz32, rep(NA, length(namez32) - length(ratingz32)))
}
```

```
perfume2 <- data.frame(Category = ca32,
  Product_number = producto32,
  Name_of_Product = produc32,
  Username = namez32,
  Rating = ratingz32,
  Date = dates3[[2]],
  Title_of_Review = title3[[2]],
  Text_of_Review = text3[[2]],
  stringsAsFactors = FALSE)
```

```
)
head(perfume2, 50)
```

```
##          Category Product_number
## 1 Category 3: PERFUME      Product 2
## 2 Category 3: PERFUME      Product 2
## 3 Category 3: PERFUME      Product 2
## 4 Category 3: PERFUME      Product 2
## 5 Category 3: PERFUME      Product 2
## 6 Category 3: PERFUME      Product 2
## 7 Category 3: PERFUME      Product 2
## 8 Category 3: PERFUME      Product 2
## 9 Category 3: PERFUME      Product 2
## 10 Category 3: PERFUME      Product 2
## 11 Category 3: PERFUME      Product 2
## 12 Category 3: PERFUME      Product 2
## 13 Category 3: PERFUME      Product 2
##
## 1      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 2      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 3      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 4      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 5      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 6      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 7      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 8      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 9      Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 10     Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 11     Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 12     Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
## 13     Ralph Lauren - Ralph - Eau de Toilette - Women's Perfume - Fresh & Floral - With Magnolia
##
##          Username Rating      Date
## 1          Atesha      5.0 November 14, 2024
## 2          TamTam      5.0  October 12, 2024
## 3      Allan Petersdorf      5.0   August 21, 2024
## 4          Lela88      5.0  October 20, 2024
## 5      DANIEL A LIZARRAGA V      5.0  October 22, 2023
## 6          Aaron      4.0 November 26, 2024
## 7      Victoria R      5.0  February 9, 2019
## 8      Morgan H      5.0 November 19, 2024
## 9 Enrique Manuel Cazares Segovia      5.0  September 3, 2024
## 10          Angela Lavallee      5.0  December 8, 2023
## 11          Eva Privateva      3.0  September 20, 2024
## 12          Usuario      3.0  February 1, 2024
## 13          Laluna      5.0  December 23, 2023
##
##          Title_of_Review
## 1      Lovely perfume!!!
## 2          Amazing
## 3      Daughter lives it!
## 4          Perfume
## 5      A Timeless Fragrance for Women
## 6          Excelente
## 7      Fruity/floral for girls
## 8
```

```
## 9             Huele rico
## 10          Absolute..and Salute..
## 11             Huele genial
## 12             Muy pequeño
## 13             Toller Duft
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7 This perfume opens with a crisp green apple scent that blends as both citrusy and slightly fruity
## 8
## 9
## 10
## 11
## 12
## 13
```

```
nama33 <- names3[[3]]
namez33 <- nama33[!grepl("La Vie Est", nama33, ignore.case = TRUE)]
namez33 <- namez33[-(1:2)]
producto33 <- productnumber3[[3]]
producto33 <- rep(producto33, length.out = length(namez33))
produc33 <- nameofproduct3[[3]]
produc33 <- rep(produc33, length.out = length(namez33))
cater33 <- category3[[3]]
ca33 <- rep(cater33, length.out = length(namez33))

ratingz33 <- ratings3[[3]]
if (length(ratingz33) > length(namez33)) {
  ratingz33 <- tail(ratingz33, length(namez33))
} else if (length(ratingz33) < length(namez33)) {
  ratingz33 <- c(ratingz33, rep(NA, length(namez33) - length(ratingz33)))
}
```

```
perfume3 <- data.frame(Category = ca33,
                      Product_number = producto33,
                      Name_of_Product = produc33,
                      Username = namez33,
                      Rating = ratingz33,
                      Date = dates3[[3]],
                      Title_of_Review = title3[[3]],
                      Text_of_Review = text3[[3]],
                      stringsAsFactors = FALSE
)
head(perfume3, 50)
```

```
##           Category Product_number
## 1 Category 3: PERFUME      Product 3
## 2 Category 3: PERFUME      Product 3
## 3 Category 3: PERFUME      Product 3
## 4 Category 3: PERFUME      Product 3
## 5 Category 3: PERFUME      Product 3
```

```

## 6 Category 3: PERFUME      Product 3
## 7 Category 3: PERFUME      Product 3
## 8 Category 3: PERFUME      Product 3
## 9 Category 3: PERFUME      Product 3
## 10 Category 3: PERFUME     Product 3
## 11 Category 3: PERFUME     Product 3
## 12 Category 3: PERFUME     Product 3
## 13 Category 3: PERFUME     Product 3
##
## 1      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 2      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 3      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 4      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 5      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 6      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 7      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 8      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 9      Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 10     Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 11     Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 12     Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
## 13     Lancôme La Vie Est Belle Eau de Parfum - Long Lasting Fragrance with Notes of Iris, Earthy
##
##          Username Rating      Date
## 1          Aurora      5.0   October 3, 2024
## 2      Samantha Ruple      5.0   December 2, 2024
## 3          Marie Sempek      5.0  November 30, 2024
## 4      I Do The Speed Limit      5.0    July 25, 2024
## 5          Placeholder      4.0  November 29, 2024
## 6              LH      5.0    June 6, 2024
## 7      Amazon Customer      5.0  November 22, 2024
## 8              Ms Pi      5.0   October 29, 2024
## 9              Jeh      5.0  November 18, 2024
## 10 VICTOR HUGO CASTRO GARCIA      5.0   November 8, 2024
## 11      Osvaldo garcia      1.0   October 22, 2024
## 12              Jean      1.0   October 19, 2024
## 13              Sarah      5.0  September 30, 2024
##
##                                     Title_of_Review
## 1                                     Timeless Elegance in a Bottle
## 2                                     Only perfume I wear
## 3                                     The price is very comprable to the store's.
## 4      A lot floral, a bit spicy, rose is in the background
## 5                                     Love the scent!
## 6      Still In Love With La Vie Est Belle
## 7                                     To strong
## 8                                     Best Perfume
## 9                                     Perfeito!
## 10                                    Olor muy rico
## 11                                    Good perfume
## 12 The product that arrived is not new, It doesn't even have security seals
## 13                                    My partners Favourit
##
## 1 If you're searching for a perfume that embodies sophistication, femininity, and long-lasting eleganc
it's a perfect blend of luxurious notes that never fail to make me feel confident and beautiful.First an
what a masterpiece! La Vie Est Belle is the perfect balance of sweet, floral, and slightly fruity notes

```

it lasts all day without needing to reapply, and I often get compliments on it hours after I've sprayed it's modern and youthful, yet classic at the same time.To top it off, La Vie Est Belle doesn't just sme

```
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
nama34 <- names3[[4]]
namez34 <- nama34[!grepl("Victoria's Secret Bare", nama34, ignore.case = TRUE)]
namez34 <- namez34[-(1:2)]
producto34 <- productnumber3[[4]]
producto34 <- rep(producto34, length.out = length(namez34))
produc34 <- nameofproduct3[[4]]
produc34 <- rep(produc34, length.out = length(namez34))
cater34 <- category3[[3]]
ca34 <- rep(cater34, length.out = length(namez34))
```

```
ratingz34 <- ratings3[[4]]
  if (length(ratingz34) > length(namez34)) {
    ratingz34 <- tail(ratingz34, length(namez34))
  } else if (length(ratingz34) < length(namez34)) {
    ratingz34 <- c(ratingz34, rep(NA, length(namez34) - length(ratingz34)))
  }
```

```
perfume4 <- data.frame(Category = ca34,
                      Product_number = producto34,
                      Name_of_Product = produc34,
                      Uername = namez34,
                      Rating = ratingz34,
                      Date = dates3[[4]],
                      Title_of_Review = title3[[4]],
                      Text_of_Review = text3[[4]],
                      stringsAsFactors = FALSE
                      )
head(perfume4, 50)
```

```
##           Category Product_number
## 1 Category 3: PERFUME      Product 4
## 2 Category 3: PERFUME      Product 4
## 3 Category 3: PERFUME      Product 4
## 4 Category 3: PERFUME      Product 4
## 5 Category 3: PERFUME      Product 4
## 6 Category 3: PERFUME      Product 4
## 7 Category 3: PERFUME      Product 4
## 8 Category 3: PERFUME      Product 4
## 9 Category 3: PERFUME      Product 4
## 10 Category 3: PERFUME      Product 4
```



```
## 11 Category 3: PERFUME      Product 4
## 12 Category 3: PERFUME      Product 4
## 13 Category 3: PERFUME      Product 4
```

```
##                                     Name_of_Product
## 1      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 2      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 3      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 4      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 5      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 6      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 7      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 8      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 9      Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 10     Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 11     Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 12     Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
## 13     Victoria's Secret Bare Vanilla Body Mist, Body Spray for Women (8.4 oz)
```

```
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7 Everything about it was perfect it heated quick and the flatiron straight my hair lovely and I lov
## 8
## 9
## 10
## 11
## 12
## 13
```

No se me c

Ana

```
##      Rating      Date      Title_of_Review
## 1      5.0 November 17, 2024      Good scent
## 2      5.0 December 1, 2024      Sweet and Sensual Fragrance!
## 3      5.0 November 28, 2024      Love this perfume!!
## 4      4.0 December 1, 2024      Fantastic
## 5      5.0 November 16, 2024      Smells good and sticks
## 6      5.0 December 3, 2024      OMG
## 7      5.0 November 8, 2024 I bought for my mom for a Christmas gift
## 8      5.0 November 27, 2024      Smells so good
## 9      3.0 December 5, 2024      Que no tiene muy buen fijador
## 10     5.0 December 2, 2024      Bonito
## 11     5.0 November 27, 2024      Lo recomiendo, buen aroma
## 12     5.0 November 26, 2024      Wow magnifique un pur delice
## 13     5.0 November 25, 2024      Cheiro muito gostoso
```

```
##
## 1
## 2 Victoria's Secret Bare Vanilla Body Mist offers a delightful, warm scent that's perfect for every
## 3      I was a bit surprised when I seen the perfume was a bit thicker
## 4
## 5
## 6
## 7
## 8
```

So I smell

```

## 9
## 10
## 11
## 12
## 13

nama35 <- names3[[5]]
namez35 <- nama35[!grepl("Bombshell Seduction Video", nama35, ignore.case = TRUE)]
namez35 <- namez35[-(1:2)]
producto35 <- productnumber3[[5]]
producto35 <- rep(producto35, length.out = length(namez35))
produc35 <- nameofproduct3[[5]]
produc35 <- rep(produc35, length.out = length(namez35))
cater35 <- category3[[3]]
ca35 <- rep(cater35, length.out = length(namez35))

ratingz35 <- ratings3[[5]]
if (length(ratingz35) > length(namez35)) {
  ratingz35 <- tail(ratingz35, length(namez35))
} else if (length(ratingz35) < length(namez35)) {
  ratingz35 <- c(ratingz35, rep(NA, length(namez35) - length(ratingz35)))
}

perfume5 <- data.frame(Category = ca35,
                      Product_number = producto35,
                      Name_of_Product = produc35,
                      Username = namez35,
                      Rating = ratingz35,
                      Date = dates3[[5]],
                      Title_of_Review = title3[[5]],
                      Text_of_Review = text3[[5]],
                      stringsAsFactors = FALSE
)

head(perfume5, 50)

```

```

##           Category Product_number
## 1 Category 3: PERFUME      Product 5
## 2 Category 3: PERFUME      Product 5
## 3 Category 3: PERFUME      Product 5
## 4 Category 3: PERFUME      Product 5
## 5 Category 3: PERFUME      Product 5
## 6 Category 3: PERFUME      Product 5
## 7 Category 3: PERFUME      Product 5
## 8 Category 3: PERFUME      Product 5
## 9 Category 3: PERFUME      Product 5
## 10 Category 3: PERFUME      Product 5
## 11 Category 3: PERFUME      Product 5
## 12 Category 3: PERFUME      Product 5
## 13 Category 3: PERFUME      Product 5
##
## 1      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 2      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 3      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 4      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 5      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I

```

```

## 6      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 7      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 8      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 9      Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 10     Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 11     Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 12     Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
## 13     Victoria's Secret Bombshell Seduction Eau de Parfum, Notes of White Peony, Sage & Velvet I
##          Username Rating      Date
## 1          Kay      5.0  October 24, 2024
## 2      Maria Jimenez      5.0 November 13, 2024
## 3      Anisha Thapa      4.0  December 2, 2024
## 4      Calikaykay91      5.0  October 15, 2024
## 5          D. Champ      5.0  October 17, 2024
## 6          Ash      5.0  November 2, 2024
## 7      Beth Crossland      5.0  December 1, 2024
## 8      Jodiann bryan      1.0  December 5, 2024
## 9      Juciane Santos      5.0    July 10, 2024
## 10     Francesco M.      4.0  January 10, 2022
## 11          etlast      4.0 February 27, 2021
## 12 Massimo Modestini      5.0  October 11, 2020
## 13          Tubs      1.0   April 11, 2023
##          Title_of_Review
## 1      Great Deal for a Lovely Fragrance
## 2          Bombshell Seduction
## 3          Great smell
## 4      It's a nice scent, questionable longevity
## 5      Victoria's Secret Bombshell Seduction
## 6          SMELLS SO GOOD!!!
## 7          Perfume
## 8          Smells great
## 9          Ruim
## 10         Ottimo
## 11      Lovely smell but fades quickly
## 12      "Cerchi qualcosa? Trovala su AMAZON"
## 13          Fake
##
## 1      I got this Victoria's Secret Bombshell Seduction during Amazon Prime Day for only $30, and it was
both the price and the scent were fantastic!
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13

```

```

nama36 <- names3[[6]]
namez36 <- nama36[!grepl("Honest Review Of", nama36, ignore.case = TRUE)]

```

```

namez36 <- namez36[-(1:2)]
producto36 <- productnumber3[[6]]
producto36 <- rep(producto36, length.out = length(namez36))
produc36 <- nameofproduct3[[6]]
produc36 <- rep(produc36, length.out = length(namez36))
cater36 <- category3[[3]]
ca36 <- rep(cater36, length.out = length(namez36))

ratingz36 <- ratings3[[6]]
  if (length(ratingz36) > length(namez36)) {
    ratingz36 <- tail(ratingz36, length(namez36))
  } else if (length(ratingz36) < length(namez36)) {
    ratingz36 <- c(ratingz36, rep(NA, length(namez36) - length(ratingz36)))
  }

perfume6 <- data.frame(Category = ca36,
                      Product_number = producto36,
                      Name_of_Product = produc36,
                      Uername = namez36,
                      Rating = ratingz36,
                      Date = dates3[[6]],
                      Title_of_Review = title3[[6]],
                      Text_of_Review = text3[[6]],
                      stringsAsFactors = FALSE
                      )

head(perfume6, 50)

```

```

##           Category Product_number
## 1 Category 3: PERFUME      Product 6
## 2 Category 3: PERFUME      Product 6
## 3 Category 3: PERFUME      Product 6
## 4 Category 3: PERFUME      Product 6
## 5 Category 3: PERFUME      Product 6
## 6 Category 3: PERFUME      Product 6
## 7 Category 3: PERFUME      Product 6
## 8 Category 3: PERFUME      Product 6
## 9 Category 3: PERFUME      Product 6
## 10 Category 3: PERFUME      Product 6
## 11 Category 3: PERFUME      Product 6
## 12 Category 3: PERFUME      Product 6
## 13 Category 3: PERFUME      Product 6
##                                     Name_of_Product
## 1      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 2      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 3      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 4      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 5      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 6      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 7      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 8      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 9      Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 10     Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 11     Marc Jacobs Perfect Women 3.3 oz EDP Spray
## 12     Marc Jacobs Perfect Women 3.3 oz EDP Spray

```

```

## 13      Marc Jacobs Perfect Women 3.3 oz EDP Spray
##          Username Rating      Date
## 1      That Social Mom    5.0  October 25, 2024
## 2      Brenda Valdez     5.0  November 10, 2024
## 3      Dawn Trope        5.0  October 27, 2024
## 4      Kedian Gentles-McCalla 5.0  November 16, 2024
## 5      Anna G            5.0  November 10, 2024
## 6      Sonya Saunders    5.0  November 9, 2024
## 7      Samantha Ross     5.0  December 1, 2024
## 8      Arlington        4.0  November 10, 2024
## 9      Caroline         5.0    July 20, 2024
## 10     Alex Ponce        5.0    April 25, 2024
## 11     nutty_granny      5.0  November 12, 2024
## 12     Lesefreund        5.0    January 6, 2024
## 13     Christina A.      5.0    June 27, 2024
##                                     Title_of_Review
## 1  Fresh and Unique - A New Favorite in My Perfume Collection!
## 2                                     Light floral fragrance
## 3                                     Wonderful fragrance
## 4                                     WORTH EVERY PENNY!!!
## 5                                     My new favorite
## 6                                     I smell pretty
## 7                                     Love it
## 8      The scent fades quickly unlike the Daisy Love.
## 9                                     Très contente de mon achat
## 10                                     Increíble
## 11                                     Perfect!
## 12                                     Parfüm
## 13      wunderbarer Sommerduft
##
## 1  Marc Jacobs Perfect is such a delightful fragrance! The blend of fresh and floral notes creates a
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13

```

```

nama37 <- names3[[7]]
namez37 <- nama37[!grepl("The ReCap: Gucci", nama37, ignore.case = TRUE)]
namez37 <- namez37[-(1:2)]
producto37 <- productnumber3[[7]]
producto37 <- rep(producto37, length.out = length(namez37))
produc37 <- nameofproduct3[[7]]
produc37 <- rep(produc37, length.out = length(namez37))
cater37 <- category3[[3]]
ca37 <- rep(cater37, length.out = length(namez37))

```

```

ratingz37 <- ratings3[[7]]
  if (length(ratingz37) > length(namez37)) {
    ratingz37 <- tail(ratingz37, length(namez37))
  } else if (length(ratingz37) < length(namez37)) {
    ratingz37 <- c(ratingz37, rep(NA, length(namez37) - length(ratingz37)))
  }

```

```

perfume7 <- data.frame(Category = ca37,
  Product_number = producto37,
  Name_of_Product = produc37,
  Uername = namez37,
  Rating = ratingz37,
  Date = dates3[[7]],
  Title_of_Review = title3[[7]],
  Text_of_Review = text3[[7]],
  stringsAsFactors = FALSE
)
head(perfume7, 50)

```

```

##          Category Product_number
## 1 Category 3: PERFUME      Product 7
## 2 Category 3: PERFUME      Product 7
## 3 Category 3: PERFUME      Product 7
## 4 Category 3: PERFUME      Product 7
## 5 Category 3: PERFUME      Product 7
## 6 Category 3: PERFUME      Product 7
## 7 Category 3: PERFUME      Product 7
## 8 Category 3: PERFUME      Product 7
## 9 Category 3: PERFUME      Product 7
## 10 Category 3: PERFUME      Product 7
## 11 Category 3: PERFUME      Product 7
## 12 Category 3: PERFUME      Product 7
## 13 Category 3: PERFUME      Product 7
##
##                                     Name_of_Product
## 1      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 2      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 3      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 4      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 5      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 6      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 7      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 8      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 9      Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 10     Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 11     Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 12     Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
## 13     Gucci Bloom for Women Eau De Parfum Spray, 1.6 Oz
##
##          Uername Rating      Date
## 1      Blaine Hale    5.0 November 12, 2024
## 2      Madamma62     5.0 November 11, 2024
## 3      Kristy Cox     5.0 September 10, 2024
## 4      Kathleen     5.0 November 18, 2024
## 5      mimi          4.0 November 7, 2024
## 6 Buen producto...lo recomiendo    5.0 November 27, 2024

```

```
## 7 Placeholder 5.0 November 15, 2024
## 8 Nice 5.0 November 5, 2024
## 9 Hilda C. 5.0 June 9, 2024
## 10 Suzie c. 5.0 November 11, 2023
## 11 Erika Morales 5.0 September 21, 2023
## 12 ken dunn 5.0 October 18, 2021
## 13 Klaus Kirstein 5.0 November 8, 2024
## Title_of_Review
## 1 Smells wonderful
## 2 Jasmine
## 3 Smells AMAZING !
## 4 Smell and freshness
## 5 Good value
## 6 Tres suave
## 7 Love, love it!
## 8 Gucci perfume
## 9 Me gustó y lo volvería a comprar
## 10 Great!
## 11 Me encanto
## 12 Outstanding
## 13 Angenehmer Duft
##
## 1 I love th
## 2 Beac
## 3 Gucci Bloom smells sooo good. I get s
## 4
## 5 I like the idea of having 3 pieces. One cologne, one lotion and one travel vial. Smells good. My
## 6
## 7
## 8
## 9 Muy buen producto tiene un olor a flores de jazmín
## 10 Quick and
## 11
## 12
## 13
```

```
nama38 <- names3b[[1]]
namez38 <- nama38[!grepl("Victoria's Secret Tease", nama38, ignore.case = TRUE)]
namez38 <- namez38[-(1:2)]
producto38 <- productnumber3b[[1]]
producto38 <- rep(producto38, length.out = length(namez38))
produc38 <- nameofproduct3b[[1]]
produc38 <- rep(produc38, length.out = length(namez38))
cater38 <- category3b[[3]]
ca38 <- rep(cater38, length.out = length(namez38))

ratingz38 <- ratings3b[[1]]
if (length(ratingz38) > length(namez38)) {
  ratingz38 <- tail(ratingz38, length(namez38))
} else if (length(ratingz38) < length(namez38)) {
  ratingz38 <- c(ratingz38, rep(NA, length(namez38) - length(ratingz38)))
}

perfume8 <- data.frame(Category = ca38,
  Product_number = producto38,
```

```

        Name_of_Product = produc38,
        Uername = namez38,
        Rating = ratingz38,
        Date = dates3b[[1]],
        Title_of_Review = title3b[[1]],
        Text_of_Review = text3b[[1]],
        stringsAsFactors = FALSE
    )
head(perfume8, 50)

```

```

##           Category Product_number
## 1 Category 3: PERFUME      Product 8
## 2 Category 3: PERFUME      Product 8
## 3 Category 3: PERFUME      Product 8
## 4 Category 3: PERFUME      Product 8
## 5 Category 3: PERFUME      Product 8
## 6 Category 3: PERFUME      Product 8
## 7 Category 3: PERFUME      Product 8
## 8 Category 3: PERFUME      Product 8
## 9 Category 3: PERFUME      Product 8
## 10 Category 3: PERFUME      Product 8
## 11 Category 3: PERFUME      Product 8
## 12 Category 3: PERFUME      Product 8
## 13 Category 3: PERFUME      Product 8
##
##                                     Name_of_Product
## 1      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 2      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 3      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 4      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 5      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 6      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 7      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 8      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 9      Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 10     Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 11     Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 12     Victoria's Secret Tease Fine Fragrance 8.4oz Mist
## 13     Victoria's Secret Tease Fine Fragrance 8.4oz Mist
##
##      Uername Rating      Date      Title_of_Review
## 1      Kandace    5.0 November 22, 2024      Uplifting smell
## 2      Aaliyah    5.0 November 20, 2024      SMELLS SO GOOD
## 3      Nancy     5.0 December 1, 2024 Everyone ask what I'm wearing
## 4      Lina girl  5.0 November 18, 2024      Beautiful
## 5 Excited Shopper 5.0 October 5, 2024      Very nice scent.
## 6      :)        4.0 July 3, 2024      fav perfume
## 7 Amazon Customer 5.0 November 10, 2024      Love this scent
## 8      Lacey Lemons 5.0 November 11, 2024      One of my favs
## 9      Igmoma     5.0 December 4, 2024      Huele muy bien
## 10     Rosa       5.0 November 17, 2024 Profumo decisamente ottimo
## 11     Npa        1.0 November 16, 2024      Sin aroma
## 12     MIRELA     5.0 June 23, 2024
## 13     Uschi      5.0 July 18, 2024      Spray
##
## 1

```



```
## 2
## 3
## 4
## 5
## 6 the smell is great i love it but my only downside is that i feel like it doesn't last long (the s
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
nama39 <- names3b[[2]]
namez39 <- nama39[!grepl("Victoria's Secret Tease", nama39, ignore.case = TRUE)]
namez39 <- namez39[-(1:2)]
producto39 <- productnumber3b[[2]]
producto39 <- rep(producto39, length.out = length(namez39))
produc39 <- nameofproduct3b[[2]]
produc39 <- rep(produc39, length.out = length(namez39))
cater39 <- category3b[[3]]
ca39 <- rep(cater39, length.out = length(namez39))
```

```
ratingz39 <- ratings3b[[2]]
if (length(ratingz39) > length(namez39)) {
  ratingz39 <- tail(ratingz39, length(namez39))
} else if (length(ratingz39) < length(namez39)) {
  ratingz39 <- c(ratingz39, rep(NA, length(namez39) - length(ratingz39)))
}
```

```
perfume9 <- data.frame(Category = ca39,
  Product_number = producto39,
  Name_of_Product = produc39,
  Uername = namez39,
  Rating = ratingz39,
  Date = dates3b[[2]],
  Title_of_Review = title3b[[2]],
  Text_of_Review = text3b[[2]],
  stringsAsFactors = FALSE
)
head(perfume9, 50)
```

```
##          Category Product_number
## 1 Category 3: PERFUME      Product 9
## 2 Category 3: PERFUME      Product 9
## 3 Category 3: PERFUME      Product 9
## 4 Category 3: PERFUME      Product 9
## 5 Category 3: PERFUME      Product 9
## 6 Category 3: PERFUME      Product 9
## 7 Category 3: PERFUME      Product 9
## 8 Category 3: PERFUME      Product 9
## 9 Category 3: PERFUME      Product 9
## 10 Category 3: PERFUME      Product 9
## 11 Category 3: PERFUME      Product 9
## 12 Category 3: PERFUME      Product 9
```

```

## 13 Category 3: PERFUME      Product 9
##
## 1      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 2      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 3      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 4      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 5      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 6      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 7      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 8      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 9      Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 10     Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 11     Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 12     Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
## 13     Victoria's Secret Tease Eau de Parfum, Women's Perfume, Notes of White Gardenia, Anjou Pe
##
##                                     Username Rating      Date
## 1                                     Shawna S.      5.0  October 13, 2024
## 2                                     Jennifer Haney    5.0  November 13, 2024
## 3                                     Leela          5.0  December 3, 2024
## 4                                     Emilie Chapman  5.0  October 26, 2024
## 5                                     Jess           5.0  December 3, 2024
## 6                                     Ally           4.0  November 10, 2024
## 7                                     Terri          5.0  October 11, 2024
## 8                                     E              5.0  November 27, 2024
## 9                                     Merna          2.0   May 28, 2024
## 10                                    KSolo          3.0  January 17, 2024
## 11                                    Sahir khan     5.0   March 21, 2024
## 12 Dura muy poco parece colonia en vez de perfume    2.0  January 6, 2024
## 13                                    Manisha        1.0   March 30, 2021
##
##                                     Title_of_Review
## 1                                     My Favorite Perfume
## 2 Trustworthy purchase. Size correct (large) and is exactly what I ordered.
## 3                                     Good
## 4                                     Good
## 5 Tease crème cloud smells SOOO GOOOD!!
## 6                                     Soft and feminine!
## 7 Yes, this is the actual VS perfume
## 8                                     amazing
## 9                                     Good BUT
## 10 Beautiful, clean fragrance!
## 11                                     Wow
## 12                                     Poca duración
## 13 I am soo disappointed
##
## 1
## 2
## 3
## 4
## 5
## 6      This is a great perfume. Very powdery. However, I bought under the impression the vanilla n
## 7 This is not a knockoff. This is the actual VS Tease perfume, packaged in the authentic VS box and
## 8
## 9
## 10

```

Victoria Secrets o

```
## 11
## 12
## 13

nama310 <- names3b[[3]]
namez310 <- nama310[!grepl("MUGLER Angel Eau", nama310, ignore.case = TRUE)]
namez310 <- namez310[-(1:2)]
producto310 <- productnumber3b[[3]]
producto310 <- rep(producto310, length.out = length(namez310))
produc310 <- nameofproduct3b[[3]]
produc310 <- rep(produc310, length.out = length(namez310))
cater310 <- category3b[[3]]
ca310 <- rep(cater310, length.out = length(namez310))

ratingz310 <- ratings3b[[3]]
  if (length(ratingz310) > length(namez310)) {
    ratingz310 <- tail(ratingz310, length(namez310))
  } else if (length(ratingz310) < length(namez310)) {
    ratingz310 <- c(ratingz310, rep(NA, length(namez310) - length(ratingz310)))
  }

perfume10 <- data.frame(Category = ca310,
                        Product_number = producto310,
                        Name_of_Product = produc310,
                        Username = namez310,
                        Rating = ratingz310,
                        Date = dates3b[[3]],
                        Title_of_Review = title3b[[3]],
                        Text_of_Review = text3b[[3]],
                        stringsAsFactors = FALSE
                      )

head(perfume10, 50)
```

```
##          Category Product_number
## 1 Category 3: PERFUME      Product 10
## 2 Category 3: PERFUME      Product 10
## 3 Category 3: PERFUME      Product 10
## 4 Category 3: PERFUME      Product 10
## 5 Category 3: PERFUME      Product 10
## 6 Category 3: PERFUME      Product 10
## 7 Category 3: PERFUME      Product 10
## 8 Category 3: PERFUME      Product 10
## 9 Category 3: PERFUME      Product 10
## 10 Category 3: PERFUME      Product 10
## 11 Category 3: PERFUME      Product 10
## 12 Category 3: PERFUME      Product 10
## 13 Category 3: PERFUME      Product 10
##
## 1      Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 2      Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 3      Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 4      Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 5      Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 6      Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 7      Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
```

## 8	Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 9	Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 10	Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 11	Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 12	Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
## 13	Mugler Angel - Eau de Parfum - Women's Perfume - Ambery & Woody - With Bergamot, Praline,
##	Username Rating Date
## 1	Julie Dirt 5.0 November 8, 2024
## 2	Amazon Customer 5.0 November 8, 2024
## 3	Amazon Customer 5.0 September 13, 2024
## 4	Jmarie 5.0 October 19, 2024
## 5	John Q Customer 5.0 November 3, 2024
## 6	Shag 5.0 September 15, 2024
## 7	Laura R. Alonso 1.0 August 9, 2024
## 8	Chip 4.0 August 17, 2024
## 9	AMAURI ENRIQUE VEGA MORAN. 5.0 December 3, 2024
## 10	Amazon Customer 5.0 December 3, 2024
## 11	Ruth Locatel 5.0 October 12, 2024
## 12	Juciane Santos 5.0 July 10, 2024
## 13	Bob Hamilton 5.0 March 10, 2024
##	Title_of_Review
## 1	Favorite fragrance ever
## 2	Beautiful scent...nice si
## 3	ill be buying bigger bottle soon..
## 4	Unique Fragran
## 5	Birthday Gi
## 6	The scent is heaven
## 7	Smells different and not goo
## 8	Things hv changed
## 9	Extraordinari
## 10	Heaven
## 11	Vend. ótima, entr. prazo embal. bem protegida. Qto perfume, atendeu espec. Excel. rec. vend. proc
## 12	Ótin
## 13	Nice perfum
##	
## 1	
## 2	
## 3	i
## 4	
## 5	
## 6	
## 7	This perfume smells different than a year ago. It used to be that it had the strong scent as you p
## 8	
## 9	
## 10	
## 11	
## 12	
## 13	