

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

```

```
##           Username 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
```

```
watch1 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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/Samsur
## 2      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 3      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 4      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 5      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 6      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 7      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 8      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 9      ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 10     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 11     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 12     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
## 13     ENOMIR Smart Watch for Women Men (Answer/Make Calls) Compatible with iPhone/Android/Samsur
##
##          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      Tanguy         5.0    October 18, 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                                Allie élégance et praticité
## 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
```

```
watch2 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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(ratingz) < length(namez1)) {
    ratingz1 <- c(ratingz1, rep(NA, length(namez1) - length(ratingz1)))
  }

```

```

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

```

	Year	Age Group	Gender	Team	Coach	Notes
1987	1987	10-11	M	St. Louis Cardinals	Tommy Lasorda	First year as head coach.
1988	1988	10-11	M	St. Louis Cardinals	Tommy Lasorda	Second year as head coach.
1989	1989	10-11	M	St. Louis Cardinals	Tommy Lasorda	Third year as head coach.
1990	1990	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fourth year as head coach.
1991	1991	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifth year as head coach.
1992	1992	10-11	M	St. Louis Cardinals	Tommy Lasorda	Sixth year as head coach.
1993	1993	10-11	M	St. Louis Cardinals	Tommy Lasorda	Seventh year as head coach.
1994	1994	10-11	M	St. Louis Cardinals	Tommy Lasorda	Eighth year as head coach.
1995	1995	10-11	M	St. Louis Cardinals	Tommy Lasorda	Ninth year as head coach.
1996	1996	10-11	M	St. Louis Cardinals	Tommy Lasorda	Tenth year as head coach.
1997	1997	10-11	M	St. Louis Cardinals	Tommy Lasorda	Eleventh year as head coach.
1998	1998	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twelfth year as head coach.
1999	1999	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirteenth year as head coach.
2000	2000	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fourteenth year as head coach.
2001	2001	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifteenth year as head coach.
2002	2002	10-11	M	St. Louis Cardinals	Tommy Lasorda	Sixteenth year as head coach.
2003	2003	10-11	M	St. Louis Cardinals	Tommy Lasorda	Seventeenth year as head coach.
2004	2004	10-11	M	St. Louis Cardinals	Tommy Lasorda	Eighteenth year as head coach.
2005	2005	10-11	M	St. Louis Cardinals	Tommy Lasorda	Nineteenth year as head coach.
2006	2006	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twentieth year as head coach.
2007	2007	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-first year as head coach.
2008	2008	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-second year as head coach.
2009	2009	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-third year as head coach.
2010	2010	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-fourth year as head coach.
2011	2011	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-fifth year as head coach.
2012	2012	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-sixth year as head coach.
2013	2013	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-seventh year as head coach.
2014	2014	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-eighth year as head coach.
2015	2015	10-11	M	St. Louis Cardinals	Tommy Lasorda	Twenty-ninth year as head coach.
2016	2016	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirtieth year as head coach.
2017	2017	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-first year as head coach.
2018	2018	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-second year as head coach.
2019	2019	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-third year as head coach.
2020	2020	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-fourth year as head coach.
2021	2021	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-fifth year as head coach.
2022	2022	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-sixth year as head coach.
2023	2023	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-seventh year as head coach.
2024	2024	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-eighth year as head coach.
2025	2025	10-11	M	St. Louis Cardinals	Tommy Lasorda	Thirty-ninth year as head coach.
2026	2026	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fortieth year as head coach.
2027	2027	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-first year as head coach.
2028	2028	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-second year as head coach.
2029	2029	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-third year as head coach.
2030	2030	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-fourth year as head coach.
2031	2031	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-fifth year as head coach.
2032	2032	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-sixth year as head coach.
2033	2033	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-seventh year as head coach.
2034	2034	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-eighth year as head coach.
2035	2035	10-11	M	St. Louis Cardinals	Tommy Lasorda	Forty-ninth year as head coach.
2036	2036	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fiftieth year as head coach.
2037	2037	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-first year as head coach.
2038	2038	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-second year as head coach.
2039	2039	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-third year as head coach.
2040	2040	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-fourth year as head coach.
2041	2041	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-fifth year as head coach.
2042	2042	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-sixth year as head coach.
2043	2043	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-seventh year as head coach.
2044	2044	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-eighth year as head coach.
2045	2045	10-11	M	St. Louis Cardinals	Tommy Lasorda	Fifty-ninth year

```
## 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
```

```
watch3 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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
```

```
watch4 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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      3.0 November 9, 2024
## 6          colby fink      3.0   March 15, 2024

```

```
## 7          James D. Dorman      5.0  November 16, 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          Budget-Friendly, But Misses the Mark: AmazonBasics Watch Review
## 7                                     Great Watch!
## 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 I recently purchased an AmazonBasics watch with a brown faux leather band, drawn in by the afford
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
watch5 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
nama4 <- n[[6]]
namez4 <- nama4[!grepl("Tensky smart watch", nama4, ignore.case = TRUE)]
namez4 <- namez4[-(1:2)]
namez4 <- unique(namez4)
nr <- which(namez4 == "Latrishia Love") + 1
namez4 <- append(namez4, "Placeholder", after = nr - 1)
producto4 <- productnumber[[6]]
producto4 <- rep(producto4, length.out = length(namez4))
produc4 <- nameofproduct[[6]]
produc4 <- rep(produc4, length.out = length(namez4))
cater4 <- category[[1]]
ca4 <- rep(cater4, length.out = length(namez4))
```

```

ratingz4 <- ratings[[6]]
  if (length(ratingz4) > length(namez4)) {
    ratingz4 <- tail(ratingz4, length(namez4))
  } else if (length(ratingz4) < length(namez4)) {
    ratingz4<- c(ratingz4, rep(NA, length(namez4) - length(ratingz4)))
  }

```

```

watch6 <- data.frame(Category = ca4,
                     Product_number = producto4,
                     Name_of_Product = produc4,
                     Uername = namez4,
                     Rating = ratingz4,
                     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
##
##          Uername 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    Latrishia 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
```

```
watch6 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
nama5 <- names[[7]]
namez5 <- nama5[!grepl("Michael Kors Women's", nama5, ignore.case = TRUE)]
namez5 <- namez5[-(1:2)]
producto5 <- productnumber[[7]]
producto5 <- rep(producto5, length.out = length(namez5))
produc5 <- nameofproduct[[7]]
produc5 <- rep(produc3, length.out = length(namez5))
cater5 <- category[[1]]
ca5 <- rep(cater5, length.out = length(namez5))

ratingz5 <- ratings[[7]]
if (length(ratingz5) > length(namez5)) {
```

```

ratingz5 <- tail(ratingz5, length(namez5))
} else if (length(ratingz5) < length(namez5)) {
ratingz5<- c(ratingz5, rep(NA, length(namez5) - length(ratingz5)))
}

```

```

watch7 <- data.frame(Category = ca5,
                     Product_number = producto5,
                     Name_of_Product = produc5,
                     Username = namez5,
                     Rating = ratingz5,
                     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      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      Nettie    5.0 December 2, 2024
## 2       Jenn    5.0 November 19, 2024
## 3 Upper Marlboro 5.0 November 19, 2024
## 4       Lina br  4.0 December 4, 2024
## 5      joy austin 5.0   July 11, 2024
## 6      Yvette J.  5.0   August 1, 2024
## 7 Crystal Bailey 5.0 October 26, 2024
## 8       Ariana   5.0 October 16, 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

##

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
```

[illegible]

```
watch8 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale down")
```

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

##	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 Matthew George   5.0   September 16, 2024
## 7 Amazon Customer  4.0   October 21, 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      Benyar Watch
## 7      nice 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 funcionamiento!
## 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 s

```

```
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
watch10 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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()
  rat12 <- rate2[!grepl("Previous page|Next page|Previous set of slides|Next set of slides", rate2, i
  rat2 <- gsub(" out of 5 stars", "", rat12)
  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*", "", tit2)
  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", "Produ
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)))
}

skincare1 <- data.frame(Category = ca9,
  Product_number = producto9,
  Name_of_Product = produc9,
  Uername = namez9,
  Rating = ratingz9,
  Date = dates2[[1]],
  Title_of_Review = title2[[1]],
  Text_of_Review = text2[[1]],

```

```

stringsAsFactors = FALSE
)
head(skincare1, 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
##           Username 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
```

```
skincare1 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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
##           Username 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
```

```
skincare2 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")

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 Exfolian
## 11     Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 12     Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
## 13     Paula's Choice SKIN PERFECTING 8% AHA Gel Exfoliant & 2% BHA Liquid Duo - Facial Exfolian
##
##                                     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
```

```
skincare3 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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 Exfolia
## 2      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 3      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 4      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 5      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 6      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 7      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 8      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 9      Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 10     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 11     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 12     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
## 13     Glow Recipe PHA + BHA Face Toner - Korean Skin Care Toner, Pore Minimizer & Facial Exfolia
##
##          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     Clienmanon        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
```

Category	Product number	Name of Product	Username	Rating	Date of Review	Text of Review
Category 1: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 5, 2021	Love it! I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 2: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 3: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 4: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 5: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 6: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 7: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 8: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 9: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 10: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 11: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 12: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.
Category 13: SKINCARE4	Product 1	Ultra Repair PMS - 100% Pure Water - Kosmos Skin Care Team - Pure Hydration & Repair Foundation for Ultra Skin - Tightening & Hydrating Moisture with Hyaluronic Acid & Watermelon (PMS)	Patricia Cook	5.0	November 10, 2021	I love this product. It's great. I bought it on my last trip to Mexico. My skin is super sensitive and it has seemed to help me a lot. I used it on my face and it was great. I recommend it if you have sensitive skin.

```
## 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
```

```
skincare4 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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
```

```
skincare5 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
nama14 <- n2[[6]]
namez14 <- nama14[!grepl("G&S TV Ad Video", nama14, ignore.case = TRUE)]
namez14 <- namez14[-(1:2)]
namez14 <- unique(namez14)
nr <- which(namez14 == "Holly Manfred") + 1
namez14 <- append(namez14, "Rachel", after = nr - 1)
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              Rachel    3.0 November 13, 2024
## 6      ShopWithShanee    5.0 November 19, 2024
## 7      Heidi Wetzel      5.0 November 26, 2024
## 8              ROBIN S.   4.0  October 25, 2024
## 9      TrajectoryChangeWithLindsay 5.0 November 25, 2024
## 10             Taylor     5.0 November 12, 2024
## 11      Sveta Markovskaja 5.0 November 21, 2024
## 12             Rhiannan   4.0  October 16, 2024
## 13             Rita K     5.0 September 18, 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      Ok. Good the price.
## 6      Perfect Stocking Stuffer for a Little Self-Care!
## 7      Very nice texture. Doesn't slip and my results were awesome!

```

```

## 8                                Review update! Big & Bulky
## 9          Grace & Stella Under Eye Masks with Retinol - Review
## 10                                Way better then Sephora
## 11                                Ottimo prodotto
## 12                                Very refreshing
## 13                                Instant Refresh
##
## 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

skincare6 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")

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
##
##                                     Title_of_Review
## 1                                     Effective and high quality
## 2                                     Not cheaply made
## 3                                     A Wonderful Addition to My Skincare Routine
## 4                                     Refreshing Morning Ritual
## 5                                     Great product
## 6                                     Headache relief
## 7                                     Not
## 8                                     Nice quality
## 9                                     ]
```

```
## 10 Very nice product
## 11 Soop product
## 12 Estupido
## 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 a
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
skincare7 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")

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	
##		Username
## 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
```

```
skincare8 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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
## 2      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 3      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 4      BYOMA Moisturizing Gel Cream - Barrier Repair Cream/Gel Face Lotion with Niacinamide and
## 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   Joseph K. Spinosa      4.0   October 16, 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      Amazon anon      5.0   December 2, 2024
## 10         Noha      5.0   October 30, 2024
## 11         Serena      5.0   August 14, 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      Bottle was already opened and half used
## 5          Yuka approved
## 6          Glass Skin Goals
## 7          love thisss
## 8      Love the product, but it's broken
## 9      Holy grail for oily sensitive skin!
## 10     Seal broken and product looks used
## 11          Holy grail
## 12     First try will update after continuous use
## 13          Affordable and Amazing.

```

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

```
##
## 1
## 2
## 3 I have crazy sensitive skin that's ravaged by
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11 This moisturiser is an absolute GAMECHANGER.It is th
## 12 First time applying and it's a very cute and appealing design, lightweight, pump didn't work at f
## 13
```

```
skincare9 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```

```
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,
  Uername = 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          Amaya B      4.0 November 20, 2024
## 4      Kitty Purfect      4.0  October 23, 2024
## 5      Gretchen Spencer      5.0 November 23, 2024
## 6          Grace      5.0 November 21, 2024
## 7          Mimi      5.0  November 4, 2024
## 8          Dari      5.0 November 19, 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                               Love thissss
## 4                               Let's be real
## 5                               Liquid gold
## 6                               It's Amazing!
## 7                               It's just okay
## 8                               Great for hydrating!
## 9
## 10
## 11                               Love it...
## 12
## 13                               This is litterly clear glue!
##
## 1

```

[illegible]

```
## 2 I was skeptical I was skeptical from buying skincare from Amazon because there's always the risk to get fake products.
## 3
## 4 If you're not going to wake up with "glass skin." That whole trend is overrated, and no product can deliver on that.
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13
```

```
skincare10 %>%
  kable("latex", booktabs = TRUE) %>%
  kable_styling(latex_options = "scale_down")
```