CS102_Aguas

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install.packages("dplyr") install.packages("rvest") install.packages("httr") install.packages("polite") #Libraries #library(dplyr) #library(rvest) #library(httr) #library(polite)

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

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

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

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

```r
WatchProducts <- data.frame()

WatchLink1 <- "https://www.amazon.co.uk/s?k=Watch&crid=3P7G4EVHY387&sprefix=watc%2Caps%2C448&ref=nb_sb_
session1 <- bow(WatchLink1, user_agent = "Educational Purposes")
session1 <- scrape(session1)

WatchName1 <- session1 %>%
  html_nodes(".s-widget-container > span span.a-size-base-plus") %>%
  html_text()
WatchName1 <- WatchName1[1:35]
WatchName1
```

```
##  [1] "Smart Watch for Women Men Answer/Make Calls, 1.85\" Fitness Watch with Heart Rate Sleep Monitor
##  [2] "CASIO STANDARD DIGITAL WATCH WITH LED-LIGHT F-91W-1JF"
##  [3] "Ravel - Women's Pastel Coloured Everyday Silver Tone Watch - Analogue Quartz - R0137"
##  [4] "Ravel Unisex Easy Read Watch with Big Numbers"
##  [5] "LN LENQIN Mens Watches Ladies Watches Analog Quartz Watch for Men Women 30M Waterproof Watch Fa
##  [6] "Smart Watch, Fitness Tracker 1.69\" Touch Screen Fitness Watch with Heart Rate Sleep Monitor, S
##  [7] "Men's Wrist Watches, Analog Quartz Watch for Men, Luxury Casual Classic Men's Watch with Stainl
##  [8] "Men's Wrist Watches, Analog Quartz Business Stainless Steel Waterproof Watch, Luxury Casual Cla
##  [9] "Timex Easy Reader 35 mm Date Window Watch"
## [10] "Mens Digital Watches, 5 ATM Waterproof Sport Watch with Alarm/Stopwatch Black Big Face Running
## [11] "Aptkdoe Smart Watch Answer/Make Calls, 1.85\" HD Touch Screen Fitness Watch for Men Women, 100-
## [12] "BOSS Men's Chronograph Quartz Watch Hero"
## [13] "BOSS Men's Quartz Watch with Stainless Steel Strap, Two Tone, 22 (Model: 1513767), Two Tone, Qu
## [14] "Sekonda Men's Quartz Watch with Blue Dial Analogue Display and Silver Stainless Steel Bracelet
```

```
## [15] "Sekonda Classic Brown Leather Strap Watch 3676"
## [16] "DUSONLAP Smart Watch for Men Answer/Make Call, Fitness Tracker 1.85\" Touch Screen Fitness Wat
## [17] "Casio F-91WC Collection Men Watch"
## [18] "Gadgetking Military Army Mens Date Canvas Strap Analog Quartz Sport Wrist Watch Gift Gift for
## [19] "LN LENQIN Mens Watches Military Watch Field Watch Analog Quartz Watches for Men Waterproof Wris
## [20] "HANPOSH Mens Watches Chronograph Stainless Steel Analog Quartz Watch Waterproof Men's Wrist Wa
## [21] "Csasan Smart Watch with Answer/Make Calls, 1.85'' Touch Fitness Watch, Smartwatch for Men Wome
## [22] "Sekonda Black Leather Midnight Blue and Rose-Gold Dial Watch 1701"
## [23] "HANPOSH Mens Watches Analog Quartz Watches Men 50M Waterproof Watch Fashion Business Casual Me
## [24] "Casio Collection Unisex Adults Watch AQ-230A"
## [25] "Smart Watch, 1.69\" HD Touch Screen Fitness Watch for Men Women, 25 Sports Modes Fitness Tracke
## [26] "Sekonda Elizabeth Women's Quartz Watch 33mm with Stone Set Case, Analogue Display and Stainles
## [27] "Men's Watches with Stainless Steel and Metal Casual Waterproof Chronograph Quartz Watch, Auto
## [28] "Hoxe Smart Watch for Men Women Answer/Make Calls, 1.85\" Inch HD Touch Screen Fitness Watch wi
## [29] "Sekonda Mens 43mm Wingman Pilot Style Watch with Date Window and Nylon Strap 50m Water Resista
## [30] "Ravel Unisex Super Bold Sight Aid Watch with Big Numbers"
## [31] "Smart Watch 2021,Fitness Tracker 1.69\" Touch Screen Heart Rate Sleep Monitor, Pedometer Fitne
## [32] "Casio Men's MQ24-7B2 with Black Resin Band"
## [33] "HUGO Analogue Quartz Watch for Men with Silver Stainless Steel Bracelet - 1530186"
## [34] "LLKBOHA Smart Watch for Men Women - 1.85\" Touch Screen Smart Watches with Call Function,111+
## [35] "Sekonda Balearic Mens 44mm Quartz Watch with Analogue Day/Date Display, and Rubber Strap"
```

```r
WatchPrice1 <- session1 %>%
  html_nodes("div:nth-of-type(n+7) .s-widget-container > span .a-row div.a-row:nth-of-type(1)") %>%
  html_text()
WatchPrice1 <- WatchPrice1[1:35]
WatchPrice1
```

```
##  [1] "£23.59£23.59 RRP: £32.99£32.99"    "£4.99£4.99"
##  [3] "£7.73£7.73 RRP: £7.99£7.99"        "£29.99£29.99 RRP: £50.00£50.00"
##  [5] "£12.89£12.89"                      "£15.99£15.99 Was: £23.99£23.99"
##  [7] "£248.00£248.00 RRP: £379.00£379.00" "£134.99£134.99"
##  [9] "£31.99£31.99 RRP: £64.99£64.99"    "£29.98£29.98 RRP: £39.99£39.99"
## [11] "£29.99£29.99"                      "£22.30£22.30"
## [13] "£6.00£6.00"                        "£19.99£19.99"
## [15] "£21.89£21.89 Was: £29.99£29.99"    "£17.99£17.99 RRP: £49.99£49.99"
## [17] "£29.99£29.99"                      "£9.49£9.49 Was: £13.99£13.99"
## [19] "£37.99£37.99"                      "£21.99£21.99 RRP: £79.99£79.99"
## [21] "£25.40£25.40 RRP: £54.99£54.99"    "£37.99£37.99"
## [23] "£25.99£25.99 RRP: £79.99£79.99"    "£30.09£30.09 RRP: £44.99£44.99"
## [25] "£7.90£7.90 RRP: £9.99£9.99"        "£27.99£27.99 RRP: £39.99£39.99"
## [27] "£15.99£15.99"                      "£72.24£72.24 RRP: £119.00£119.00"
## [29] "£24.97£24.97 RRP: £49.99£49.99"    "£22.98£22.98 RRP: £39.99£39.99"
## [31] "£4.99£4.99"                        "£56.99£56.99"
## [33] "£37.99£37.99 RRP: £56.99£56.99"    "£29.99£29.99 RRP: £89.99£89.99"
## [35] "£14.99£14.99"
```

```r
WatchRatings1 <- session1 %>%
  html_nodes(".s-widget-container > span span.s-underline-text") %>%
  html_text()
WatchRatings1 <- WatchRatings1[1:35]
WatchRatings1
```

```
##  [1] "14,185" "4,951"  "2,430"  "7,597"  "698"    "23,751" "35"     "126"
##  [9] "5,746"  "3,194"  "742"    "1,232"  "101"    "350"    "190"    "286"
## [17] "4,882"  "25"     "111"    "691"    "713"    "211"    "1,488"  "6,758"
```

```
## [25] "949"      "2,865"  "3,353"  "1,180"  "1,072"  "1,532"  "11,945" "8,620"
## [33] "130"      "822"    "513"
```

```r
WatchReviews1 <- session1 %>%
  html_nodes(".s-widget-container > span span.a-icon-alt") %>%
  html_text()
WatchReviews1 <- WatchReviews1[1:35]
WatchReviews1
```

```
##  [1] "4.3 out of 5 stars" "4.5 out of 5 stars" "4.4 out of 5 stars"
##  [4] "4.4 out of 5 stars" "4.3 out of 5 stars" "4.0 out of 5 stars"
##  [7] "3.5 out of 5 stars" "4.2 out of 5 stars" "4.5 out of 5 stars"
## [10] "4.6 out of 5 stars" "4.6 out of 5 stars" "4.6 out of 5 stars"
## [13] "4.4 out of 5 stars" "4.4 out of 5 stars" "4.4 out of 5 stars"
## [16] "4.8 out of 5 stars" "4.6 out of 5 stars" "3.4 out of 5 stars"
## [19] "4.3 out of 5 stars" "4.2 out of 5 stars" "4.6 out of 5 stars"
## [22] "4.5 out of 5 stars" "4.2 out of 5 stars" "4.5 out of 5 stars"
## [25] "4.4 out of 5 stars" "4.5 out of 5 stars" "4.4 out of 5 stars"
## [28] "4.5 out of 5 stars" "4.2 out of 5 stars" "4.3 out of 5 stars"
## [31] "4.1 out of 5 stars" "4.4 out of 5 stars" "4.2 out of 5 stars"
## [34] "4.4 out of 5 stars" "4.2 out of 5 stars"
```

```r
WatchProducts <- rbind(WatchProducts,data.frame
                       (Name = WatchName1,
                        Price = WatchPrice1,
                        Ratings = WatchRatings1,
                        NoOfReviews = WatchReviews1))
```

```r
#24
## Watch Link 2

WatchLink2 <- "https://www.amazon.co.uk/s?k=Watch&page=2&crid=3P7G4EVHY387&qid=1707441846&sprefix=watc%2
session2 <- bow(WatchLink2, user_agent = "Educational Purposes")
session2 <- scrape(session2)

WatchName2 <- session2 %>%
  html_nodes(".s-widget-container > span div:nth-of-type(2) span.a-size-base-plus") %>%
  html_text()
WatchName2 <- WatchName2 [1:35]
WatchName2
```

```
##  [1] "BOSS Chronograph Quartz Watch for men VELOCITY Collection with Silicone bracelet"
##  [2] "Gadgetking Military Army Mens Date Canvas Strap Analog Quartz Sport Wrist Watch Gift Gift for M
##  [3] "BY BENYAR Watch for Men Analog Quartz Chronograph Mens Watches 30M Waterproof Luminous Big Face
##  [4] "Lorus Herren-Uhren Analog Automatik 32025166"
##  [5] "Timex Easy Reader 38 mm Watch"
##  [6] "Lacoste Analogue Quartz Watch for Men with Brown Leather Strap – 2011046"
##  [7] "Armani Exchange Watch, Men's Chronograph, Silicone Watch, 44mm Case Size"
##  [8] "VDSOW Men's Waterproof Sport Watch with Alarm/Stopwatch, Large Wrist Military with LED Backligh
##  [9] "Diesel Watch for Men Double Down S44, Three Hand Movement, 44 mm Black Polycarbonate Case with
## [10] "HANPOSH Mens Watches Analog Quartz Watches Men 50M Waterproof Watch Fashion Business Casual Men
## [11] "Lacoste Unisex Analog Quartz Watch with Silicone Strap"
## [12] "Infantry Military Watches for Men, Mens Field Wrist Watch for Tactical Outdoor Sport, Army Worl
## [13] "Ravel Unisex Super Bold Sight Aid Watch with Big Numbers"
## [14] "Casio Unisex Watch in Resin/Acrylic Glass with Date Display and LED Light – Water Resistance &
## [15] "Tommy Hilfiger Herren-Uhren Analog Quarz 32016091"
```

```
## [16] "Fossil Watch for Men Neutra Chrono, Quartz Chronograph Movement, 44 mm Silver Stainless Steel
## [17] "Smart Watch, 1.69\" HD Touch Screen Fitness Watch for Men Women, 25 Sports Modes Fitness Track
## [18] "Wrist Watch for Women, Fashion Designed Quartz Analog Women's Watch with Silicone Strap"
## [19] "DUSONLAP Smart Watch for Men Answer/Make Call, Fitness Tracker 1.85\" Touch Screen Fitness Wat
## [20] "Casio ats22168 - Watch, Strip"
## [21] "Tommy Hilfiger Analog Quarzuhr für Herren mit Weisses Silikonarmband - 1791481"
## [22] "Sekonda Mens 44mm Dive Style Chronograph Quartz Watch with Stainless Steel Bracelet Date Funct
## [23] "KAKTIN Smart Watch, Watches for Men Women Answer/Make Call, Fitness Tracker Activity with Calo
## [24] "HUGO Analogue Quartz Watch for Men with Brown Leather Strap - 1530134"
## [25] "Amazfit [2022 New Version] GTS 2 Mini Smart Watch with Alexa Built-in, 1.55\" AMOLED Display,
## [26] "Timex Weekender 38 mm Watch"
## [27] "Timex Expedition Camper Men's 38 mm Watch"
## [28] "Tommy Hilfiger Analogue Multifunction Quartz Watch for men with Stainless Steel bracelet"
## [29] "Tommy Hilfiger Analogue Multifunction Quartz Watch for Men with Silver Stainless Steel Bracele
## [30] "Smart Watch for Men Women Answer/Make Calls, 1.85\" Smartwatch, 2024 Fitness Watch with Heart
## [31] "HANPOSH Mens Watches Military Watches for Men Analogue Quartz Waterproof Wrist Watches for Men
## [32] "OLEVS Men Skeleton Watch Automatic Designer Luxury Mechanical Wrist Watches Brown Leather Dres
## [33] "Tommy Hilfiger Women Analog Quartz Watch"
## [34] "Sekonda Men's Digital Watch with Digital Display"
## [35] "Hoxe Smart Watch for Men Women Answer/Make Calls, 1.85\" Inch HD Touch Screen Fitness Watch wi
```

```r
WatchPrice2 <- session2 %>%
  html_nodes(".s-widget-container > span div:nth-of-type(2) .a-row div.a-row:nth-of-type(1)") %>%
  html_text()
WatchPrice2 <- WatchPrice2 [1:35]
WatchPrice2
```

```
## [1] "£186.99£186.99"                    "£6.00£6.00"
## [3] "£39.98£39.98 RRP: £49.99£49.99"    "£74.00£74.00 RRP: £129.99£129.99"
## [5] "£44.00£44.00 RRP: £50.00£50.00"    "£99.00£99.00 RRP: £119.00£119.00"
## [7] "£95.95£95.95 RRP: £139.00£139.00"  "£12.89£12.89"
## [9] "£61.75£61.75"                      "£9.49£9.49 Was: £13.99£13.99"
## [11] "£58.99£58.99 RRP: £75.00£75.00"   "£29.99£29.99"
## [13] "£7.90£7.90 RRP: £9.99£9.99"       "£21.79£21.79 RRP: £25.00£25.00"
## [15] "£140.60£140.60 RRP: £219.00£219.00" "£112.60£112.60 RRP: £159.00£159.00"
## [17] "£21.99£21.99 RRP: £79.99£79.99"   "£4.99£4.99"
## [19] "£29.99£29.99"                      "£14.99£14.99"
## [21] "£77.00£77.00 Was: £79.96£79.96"   "£49.99£49.99"
## [23] "£35.99£35.99"                      "£79.00£79.00 RRP: £119.00£119.00"
## [25] "£79.00£79.00"                      "£40.94£40.94 RRP: £55.39£55.39"
## [27] "£29.95£29.95 RRP: £40.00£40.00"   "£121.34£121.34 RRP: £189.00£189.00"
## [29] "£159.00£159.00 RRP: £179.00£179.00" "£29.99£29.99 RRP: £79.99£79.99"
## [31] "£18.99£18.99 Was: £23.99£23.99"   "£138.00£138.00"
## [33] "£109.85£109.85 RRP: £189.00£189.00" "£32.55£32.55 RRP: £59.99£59.99"
## [35] "£25.99£25.99 RRP: £79.99£79.99"
```

```r
WatchRatings2 <- session2 %>%
  html_nodes(".s-widget-container > span div:nth-of-type(2) .a-section span.s-underline-text") %>%
  html_text()
WatchRatings2 <- WatchRatings2 [1:35]
WatchRatings2
```

```
## [1] "1,455"  "25"      "13,362" "77"     "1,083"  "253"    "299"    "3,620"
## [9] "2,540"  "1,488"   "241"    "2,821"  "1,532"  "4,510"  "155"    "3,009"
## [17] "949"   "145"     "286"    "54"     "1,795"  "485"    "584"    "393"
## [25] "5,281" "17,626"  "6,412"  "1,063"  "346"    "455"    "1,726"  "327"
```

```
## [33] "363"     "105"     "1,180"
```

```
WatchReviews2 <- session2 %>%
  html_nodes(".s-widget-container > span span.a-icon-alt") %>%
  html_text()
WatchReviews2 <- WatchReviews2 [1:35]
WatchReviews2
```

```
##  [1] "4.6 out of 5 stars" "3.4 out of 5 stars" "4.4 out of 5 stars"
##  [4] "4.1 out of 5 stars" "4.6 out of 5 stars" "4.6 out of 5 stars"
##  [7] "4.6 out of 5 stars" "4.4 out of 5 stars" "4.3 out of 5 stars"
## [10] "4.2 out of 5 stars" "4.5 out of 5 stars" "4.3 out of 5 stars"
## [13] "4.3 out of 5 stars" "4.6 out of 5 stars" "4.4 out of 5 stars"
## [16] "4.5 out of 5 stars" "4.4 out of 5 stars" "4.4 out of 5 stars"
## [19] "4.8 out of 5 stars" "4.2 out of 5 stars" "4.5 out of 5 stars"
## [22] "4.4 out of 5 stars" "4.0 out of 5 stars" "4.4 out of 5 stars"
## [25] "4.2 out of 5 stars" "4.4 out of 5 stars" "4.5 out of 5 stars"
## [28] "4.6 out of 5 stars" "4.4 out of 5 stars" "4.5 out of 5 stars"
## [31] "4.3 out of 5 stars" "4.0 out of 5 stars" "4.6 out of 5 stars"
## [34] "4.1 out of 5 stars" "4.5 out of 5 stars"
```

```
WatchProducts <- rbind(WatchProducts,data.frame
                       (Name = WatchName2,
                        Price = WatchPrice2,
                        Ratings = WatchRatings2,
                        NoOfReviews = WatchReviews2))
```

```
##
##Watch Link 3
```

```
WatchLink3 <- "https://www.amazon.co.uk/s?k=Watch&i=fashion&rh=n%3A11961407031&dc&ds=v1%3AN3d7kOYKFjQB1I
session3 <- bow(WatchLink3, user_agent = "Educational Purposes")
session3 <- scrape(session3)
```

```
WatchName3 <- session3 %>%
  html_nodes(".s-widget-container > span span.a-size-base-plus") %>%
  html_text()
WatchName3 <- WatchName3 [1:35]
WatchName3
```

```
##  [1] "CASIO STANDARD DIGITAL WATCH WITH LED-LIGHT F-91W-1JF"
##  [2] "Smart Watch for Women Men Answer/Make Calls, 1.85\" Fitness Watch with Heart Rate Sleep Monito
##  [3] "LN LENQIN Mens Watches Ladies Watches Analog Quartz Watch for Men Women 30M Waterproof Watch Fa
##  [4] "Ravel - Women's Pastel Coloured Everyday Silver Tone Watch - Analogue Quartz - RO137"
##  [5] "Ravel Unisex Easy Read Watch with Big Numbers"
##  [6] "Timex Easy Reader 35 mm Date Window Watch"
##  [7] "Mens Digital Watches, 5 ATM Waterproof Sport Watch with Alarm/Stopwatch Black Big Face Running
##  [8] "LN LENQIN Mens Watches Military Watch Field Watch Analog Quartz Watches for Men Waterproof Wris
##  [9] "Sekonda Black Leather Midnight Blue and Rose-Gold Dial Watch 1701"
## [10] "Tommy Hilfiger Men's Analog Quartz Watch"
## [11] "Sekonda Classic Brown Leather Strap Watch 3676"
## [12] "Men's Wrist Watches, Analog Quartz Business Stainless Steel Waterproof Watch, Luxury Casual Cla
## [13] "Emporio Armani Herrenuhr mit DREI Zeigern, Edelstahl, Gehäusegröße 43 mm"
## [14] "HANPOSH Mens Watches Chronograph Stainless Steel Analog Quartz Watch Waterproof Men's Wrist Wa
## [15] "Lacoste Analogue Quartz Watch for Men with Brown Leather Strap - 2011230"
```

```
## [16] "Sekonda Men's Quartz Watch with Blue Dial Analogue Display and Silver Stainless Steel Bracelet
## [17] "Men's Watches with Stainless Steel and Metal Casual Waterproof Chronograph Quartz Watch, Auto
## [18] "BIDEN Mens Watches Chronograph Stainless Steel Waterproof Date Analog Quartz Watch Business Ca
## [19] "Casio F-91WC Collection Men Watch"
## [20] "Casio Collection Unisex Adults Watch AQ-230A"
## [21] "Citizen Mens Chronograph Eco-Drive Watch"
## [22] "Timex Expedition Camper Men's 39 mm Watch"
## [23] "Sekonda Men's Quartz Watch with White Dial Analogue Display and Leather Strap"
## [24] "SONGMICS Watch Box with 12 Slots, 2-Tier Wood Watch Case with Large Glass Lid, Watch Pillows, V
## [25] "BOSS Chronograph Quartz Watch for Men with Silver Stainless Steel Bracelet - 1513527"
## [26] "Men's Wrist Watches, Analog Quartz Watch for Men, Luxury Casual Classic Men's Watch with Stain
## [27] "HUGO Analogue Quartz Watch for Men with Silver Stainless Steel Bracelet - 1530186"
## [28] "Tommy Hilfiger Analogue Multifunction Quartz Watch for Men with Silicone, Stainless Steel or Le
## [29] "Timex Expedition Scout Men's 40 mm Watch"
## [30] "BOSS Men's Quartz Watch with Stainless Steel Strap, Two Tone, 22 (Model: 1513767), Two Tone, Qu
## [31] "Tommy Hilfiger Analogue Multifunction Quartz Watch for Men with Stainless Steel or Leather Brac
## [32] "Casio Men's Watch in Resin/Acrylic Glass with Neo Display & Buckle - Water Resistant to 50 m"
## [33] "Sekonda Men's 42mm Pilot Style Quartz Watch with Analogue Display Date Window and Leather Strap
## [34] "BOSS Men's Chronograph Quartz Watch Hero"
## [35] "BY BENYAR Watch for Men Analog Quartz Chronograph Mens Watches 30M Waterproof Luminous Big Face
```

```r
WatchPrice3 <- session3 %>%
  html_nodes("div:nth-of-type(n+7) .s-widget-container > span .a-row div.a-row:nth-of-type(1)") %>%
  html_text()
WatchPrice3 <- WatchPrice3 [1:35]
WatchPrice3
```

```
##  [1] "£6.16£6.16"                        "£26.99£26.99 RRP: £45.00£45.00"
##  [3] "£10.74£10.74"                      "£16.66£16.66"
##  [5] "£29.99£29.99"                      "£128.69£128.69"
##  [7] "£24.98£24.98 RRP: £33.32£33.32"    "£6.96£6.96 RRP: £7.19£7.19"
##  [9] ""                                  "£18.24£18.24 Was: £24.99£24.99"
## [11] "£65.87£65.87"                      "£26.66£26.66 RRP: £54.16£54.16"
## [13] "£37.99£37.99"                      "£31.66£31.66 RRP: £47.49£47.49"
## [15] "£22.30£22.30"                      "£37.99£37.99"
## [17] "£183.08£183.08"                    "£30.15£30.15 RRP: £36.00£36.00"
## [19] "£16.20£16.20 RRP: £22.49£22.49"    ""
## [21] "£192.24£192.24"                    "£4.49£4.49"
## [23] "£65.02£65.02 RRP: £107.10£107.10"  "£93.98£93.98 Was: £98.44£98.44"
## [25] ""                                  "£134.99£134.99"
## [27] "£117.61£117.61 RRP: £202.50£202.50" "£17.98£17.98"
## [29] "£22.49£22.49"                      "£223.20£223.20 RRP: £341.10£341.10"
## [31] "£33.32£33.32 RRP: £41.66£41.66"    "£19.15£19.15 RRP: £33.32£33.32"
## [33] "£61.20£61.20 RRP: £116.10£116.10"  "£13.32£13.32"
## [35] "£89.10£89.10 RRP: £107.10£107.10"
```

```r
WatchRatings3 <- session3 %>%
  html_nodes(".s-widget-container > span span.s-underline-text") %>%
  html_text()
WatchRatings3 <- WatchRatings3 [1:35]
WatchRatings3
```

```
##  [1] "4,951"  "14,185" "698"    "2,430"  "7,597"  "5,746"  "3,194"  "111"
##  [9] "211"    "288"    "190"    "126"    "17"     "691"    "8"      "350"
## [17] "3,353"  "15,445" "4,882"  "6,758"  "803"    "8,062"  "608"    "1,951"
## [25] "519"    "35"     "130"    "9,234"  "8,366"  "101"    "1,428"  "6,235"
```

```
## [33] "3,116"  "1,232"  "13,362"
```

```r
WatchReviews3 <- session3 %>%
  html_nodes(".s-widget-container > span span.a-icon-alt") %>%
  html_text()
WatchReviews3 <- WatchReviews3 [1:35]
WatchReviews3
```

```
##  [1] "4.5 out of 5 stars" "4.3 out of 5 stars" "4.3 out of 5 stars"
##  [4] "4.4 out of 5 stars" "4.4 out of 5 stars" "4.5 out of 5 stars"
##  [7] "4.6 out of 5 stars" "4.3 out of 5 stars" "4.5 out of 5 stars"
## [10] "4.3 out of 5 stars" "4.4 out of 5 stars" "4.2 out of 5 stars"
## [13] "4.4 out of 5 stars" "4.2 out of 5 stars" "5.0 out of 5 stars"
## [16] "4.4 out of 5 stars" "4.4 out of 5 stars" "4.3 out of 5 stars"
## [19] "4.6 out of 5 stars" "4.5 out of 5 stars" "4.5 out of 5 stars"
## [22] "4.4 out of 5 stars" "4.4 out of 5 stars" "4.4 out of 5 stars"
## [25] "4.6 out of 5 stars" "3.5 out of 5 stars" "4.2 out of 5 stars"
## [28] "4.6 out of 5 stars" "4.4 out of 5 stars" "4.4 out of 5 stars"
## [31] "4.6 out of 5 stars" "4.6 out of 5 stars" "4.4 out of 5 stars"
## [34] "4.6 out of 5 stars" "4.4 out of 5 stars"
```

```r
WatchProducts <- rbind(WatchProducts,data.frame
                       (Name = WatchName3,
                        Price = WatchPrice3,
                        Ratings = WatchRatings3,
                        NoOfReviews = WatchReviews3))
```

```
##
```

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


#Second product is Bag

BagProducts <- data.frame()

BagFirstLink1 <- "https://www.amazon.co.uk/s?k=bag&ref=nb_sb_noss"
session5 <- bow(BagFirstLink1, user_agent = "Educational Purposes")
session5 <- scrape(session5)

BagName1 <- session5 %>%
  html_nodes(".s-widget-container > span h2") %>%
  html_text()
BagName1 <- BagName1[1:35]
BagName1
```

```
##  [1] "VSNOON Anti-Theft Laptop Backpack, 15.6-17.3 inch Business Laptop Rucksack Bag with USB Chargin
##  [2] "Kono School Backpack Casual Daypack School Bags for Girls Boys Bookbag Lightweight Travel Ruck
##  [3] "KALIDI Corduroy Hobo Bag Totes Bag Handbag Crossbody Bag Large Capacity Shoulder Bags with Zip
##  [4] "Prite Corduroy Tote Bag for Women Large Shoulder Bag with Zipper and Pockets for College Schoo
##  [5] "JAKAGO Canvas Messenger Bag Mens/Women Shoulder Bag with Multiple Pockets for School Travel Ou
##  [6] "Gym Bag, Travel Bag with Wet Pocket, Portable Overnight Bags for Women, Waterproof Lightweight
```

```
##  [7] "Milky Way Womens Multi Pocket Casual Cross Body Bag Travel Bag Messenger Handbag for Shopping
##  [8] "VSNOON Laptop Backpack for Women,15.6 Inch Stylish Rucksack Wide Open for College School with
##  [9] "Cabin Bag 45x36x20 for Easyjet Airlines Underseat Travel Bag Holdall Bag Carry on Hand Luggage
## [10] "CHEPULA Drawstring Gym Bag, Large Sports Backpack String Swim Drawstring PE Bags for Women Men
## [11] "Kono Laptop Backpack Anti-Theft Travel Business Computer Rucksack Work Bag with USB Charging Po
## [12] "Laundry Bag Heavy Duty Storage Bags Reusable Strong Clothes Storage Bags Zip Nylon Large Boxes
## [13] "Milky Way Womens Multi-Pocket Casual Crossbody Handbags Waterproof Shoulder Bags Satchel Girls
## [14] "Laptop Backpack, Anti-Theft Business Travel Work Computer Rucksack with USB Charging Port, Larg
## [15] "Travel Laptop Backpack Water Resistant Anti-Theft Bag with USB Charging Port and Lock 14/15.6
## [16] "KALIDI Thicken Corduroy Totes Bag Extra Large Capacity Handbags Shoulder Bags with Zipper Cord
## [17] "Weekend Bag, Overnight Bag Carry on Bag Holdalls Travel Bag for Women Gym Waterproof Weekender
## [18] "PUMA Unisex Teamgoal 23 Backpack Core Backpack (pack of 1)   "
## [19] "for Ryanair Airlines Cabin Bag 40x20x25 Underseat Foldable Travel Duffel Bag Holdall Tote Carry
## [20] "WEERY Large Travel Duffle Bag, 96L Extra Waterproof Holdall Lightweight Foldable Duffel Bag fo
## [21] "Extra Large Laundry Storage Checkered Shopping Bags 3 Pack, (60 x50 x25 cm) Strong and Durable
## [22] "Della Gao Laptop Backpack,Extra Large Anti-Theft Business Travel Laptop Backpack Bag with USB
## [23] "Sport Gym Bag, Techyfit Duffel Bag with Shoe Compartment Foldable Training Handbag for Men and
## [24] "Ryanair Cabin Bags 50x40x20 Maximum Size Carry On Holdall Lightweight Luggage Under Seat Fligh
## [25] "TESELOR Crossbody Bag for Women with Multiple Pockets Girls Small Shoulder Bag Phone Bag Waterp
## [26] "FIORETTO Womens Mens Sports Gym Bag Duffle Bag with Shoes Compartment, Weekend Travel Bag Overr
## [27] "Extra Large Backpack 55L,18.4 Inch Travel Laptop Work Bag with USB Charging Port Big Business
## [28] "Laptop Backpack, Business Travel Backpack with USB Charging Port, Water Resistant Laptop Rucksa
## [29] "JAKAGO Waterproof Messenger Shoulder Bag,Multi Pockets Canvas Crossbody Bag for Men,Casual Ligh
## [30] "4 Pack Extra Large Travel Duffle Bag, Foldable Waterproof 600D Oxford Cloth Heavy Duty Holdall
## [31] "Travel Bag Sport Duffel Bag,Gym Tote Bag, Large Capacity Portable Foldable Travel Lightweight
## [32] "GDFAN Tote Bag for Women,Ladies Handbag,Soft PU Leather Large Capacity Women's Top Handle Shoul
## [33] "Amazon Basics Compact Laptop Shoulder Bag Carrying Case with Padded Strap and Zippered Accessor
## [34] "Anti-Theft Laptop Backpack,Business Travel Backpack Bag with USB Charging Port Lock,Water Resis
## [35] "QINOL Travel Laptop Backpack Anti-Theft Business Work Backpacks Bag With USB Charging Port, Du
```

```r
BagPrice1 <- session5 %>%
  html_nodes("div:nth-of-type(n+7) .s-widget-container > span .a-size-base div.a-row:nth-of-type(1)") %>%
  html_text()
BagPrice1 <- BagPrice1[1:35]
BagPrice1
```

```
##  [1] "£12.49£12.49"                   "£18.32£18.32"
##  [3] "£13.99£13.99 Was: £16.99£16.99" "£9.16£9.16 Was: £13.32£13.32"
##  [5] "£20.39£20.39"                   "£8.32£8.32 RRP: £10.82£10.82"
##  [7] "£5.63£5.63 RRP: £9.15£9.15"     "£22.49£22.49"
##  [9] ""                               "£7.49£7.49 Was: £14.16£14.16"
## [11] "£20.82£20.82"                   "£22.58£22.58 Was: £23.35£23.35"
## [13] "£13.32£13.32 RRP: £14.16£14.16" "£16.17£16.17"
## [15] "£16.20£16.20"                   "£9.99£9.99 RRP: £13.32£13.32"
## [17] "£9.16£9.16"                     "£7.19£7.19 (£2.40£2.40/count)"
## [19] "£19.82£19.82 RRP: £30.82£30.82" "£14.99£14.99"
## [21] "£25.49£25.49"                   "£10.62£10.62 Was: £12.49£12.49"
## [23] "£16.66£16.66"                   "£23.52£23.52 RRP: £38.32£38.32"
## [25] "£16.66£16.66 Was: £20.82£20.82" "£12.72£12.72 RRP: £15.82£15.82"
## [27] "£21.66£21.66"                   "£17.84£17.84 Was: £20.99£20.99"
## [29] "£11.66£11.66"                   "£13.36£13.36"
## [31] "£22.47£22.47"                   "£21.60£21.60"
## [33] ""                               "£11.66£11.66 Was: £13.32£13.32"
## [35] "£19.99£19.99"
```

```
BagRatings1 <- session5 %>%
  html_nodes(".s-widget-container > span div:nth-of-type(2) .a-section span.a-icon-alt") %>%
  html_text()
BagRatings1 <- BagRatings1[1:35]
BagRatings1
```

```
##  [1] "4.3 out of 5 stars" "4.4 out of 5 stars" "4.6 out of 5 stars"
##  [4] "4.1 out of 5 stars" "4.5 out of 5 stars" "4.3 out of 5 stars"
##  [7] "4.5 out of 5 stars" "4.3 out of 5 stars" "4.4 out of 5 stars"
## [10] "4.6 out of 5 stars" "4.6 out of 5 stars" "4.5 out of 5 stars"
## [13] "4.5 out of 5 stars" "4.5 out of 5 stars" "4.2 out of 5 stars"
## [16] "4.1 out of 5 stars" "4.6 out of 5 stars" "3.6 out of 5 stars"
## [19] "4.6 out of 5 stars" "4.5 out of 5 stars" "4.3 out of 5 stars"
## [22] "4.6 out of 5 stars" "4.6 out of 5 stars" "4.2 out of 5 stars"
## [25] "4.4 out of 5 stars" "4.3 out of 5 stars" "4.5 out of 5 stars"
## [28] "4.6 out of 5 stars" "4.7 out of 5 stars" "4.5 out of 5 stars"
## [31] "4.2 out of 5 stars" "4.3 out of 5 stars" "4.6 out of 5 stars"
## [34] "4.3 out of 5 stars" "4.1 out of 5 stars"
```

```
BagReviews1 <- session5 %>%
  html_nodes(".s-widget-container > span div:nth-of-type(2) .a-section span.s-underline-text") %>%
  html_text()
BagReviews1 <- BagReviews1[1:35]
BagReviews1
```

```
##  [1] "1,089"  "2,208"  "398"    "323"    "7,011"  "17,008" "1,552"  "7,156"
##  [9] "478"    "8,683"  "31,047" "2,628"  "2,260"  "4,114"  "474"    "396"
## [17] "28,666" "257"    "465"    "102"    "2,047"  "2,023"  "2,537"  "249"
## [25] "2,723"  "962"    "18,142" "2,052"  "9,590"  "198"    "355"    "155"
## [33] "130"    "899"    "149"
```

```
BagProducts <- rbind(BagProducts,data.frame
                      (Name = BagName1,
                       Price = BagPrice1,
                       Ratings = BagRatings1,
                       NoOfReviews = BagReviews1))
```

Second Link/Page

```
BagSecondLink <- "https://www.amazon.co.uk/s?k=bag&page=2&qid=1707468443&ref=sr_pg_2"
session6 <- bow(BagSecondLink, user_agent = "Educational Purposes")
session6 <- scrape(session6)

BagName2 <- session6 %>%
  html_nodes(".s-widget-container > span span.a-size-base-plus") %>%
  html_text()
BagName2 <- BagName2[1:35]
BagName2
```

```
##  [1] "Gym Bag - 40L - Foldable - Gym Bag Mens - Gym Bag Womens - Sports Bag - Gym Bag with Shoe Compa
##  [2] "TommeeTippeeBaby Sleep Bag for Newborns, 0-3 m, 2.5 TOG, The OriginalGrobag Swaddle Bag, Hip-He
##  [3] "WEERY Large Travel Duffle Bag, 96L Extra Waterproof Holdall Lightweight Foldable Duffel Bag fo
##  [4] "ETRONIK Gym Bag Womens, Sports Travel Duffel Bag with USB Charging Port, Weekender Overnight Ba
##  [5] "Dirty Kit Foldable Antibacterial Bag - Reduces Spread of Odours + Kills 99.99% of Bacteria - P
```

```
##  [6] "Trust Primo Laptop Bag 16 Inch, Work Bag with Padded Interior, Adjustable Shoulder Strap, Dual
##  [7] "5 x 1 Ton Tonne FIBC Bulk Bag Heavy Duty For Garden Builder Waste Woven Jumbo Bag (5 x Bag)"
##  [8] "Disney Kids The Little Mermaid Swim Bag"
##  [9] "Ladies Sports Gym/Travel Duffel Bag with Separate Shoes Compartment and Wet Pocket, Waterproof
## [10] "adidas Unisex Essentials Gym Sack"
## [11] "KALIDI Thicken Corduroy Totes Bag Extra Large Capacity Handbags Shoulder Bags with Zipper Cord
## [12] "5 PACK Strong Extra large Jumbo Storage Laundry zipped bag Reusable 60 x 60cm"
## [13] "PUMA"
## [14] "Numatic Henry Hepa-Flo Vacuum Cleaner Dust Bags 20 pack"
## [15] "TommeeTippeeBaby Sleep Bag for Newborns, The OriginalGrobag Swaddle Bag, Hip-Healthy Design, S
## [16] "Dog Poo Bags - 540 Counts Biodegradable Poop Waste Bag Refill Rolls for Dogs include 1 Adjustab
## [17] "Earth Rated Dog Poo Bags, New Look, Guaranteed Leak Proof and Extra Thick Waste Bag Refill Roll
## [18] "adidas Unisex Essentials Organizer Sports pouch"
## [19] "BEAST BIN BAGS, 10 Rolls of 10 x 70 Litre Bags (Total 100 Bags) - Made From 100% Recycled LLDP
## [20] "NIKE"
## [21] "Amazon Basics Dog Poop Bags With Dispenser and Leash Clip, Unscented, 15 Count (Pack of 20), To
## [22] "Hallmark Multi-Occasion Bottle Bag - Dark Floral Design"
## [23] "Bakery Direct 100% Recyclable 21\" Savoy Piping Bags x 100"
## [24] "OAREA Large Capacity Travel Climbing Bag Tactical Military Backpack Women Army Bags Canvas Buck
## [25] "NIKE Unisex Nk Heritage Crossbody - Fa21 Gym Bag"
## [26] "Lekesky Laptop Rucksack Bag15.6 Inch Computer Backpack School Bag for Travel Business College U
## [27] "Nike Unisex Brasilia - 9.0 Gym Sack"
## [28] "TESELOR Crossbody Bag for Women with Multiple Pockets Girls Small Shoulder Bag Phone Bag Waterp
## [29] "Pogi's Biodegradable Dog Poo Bags with Handles - 900 Dog Bags with Easy-Tie Handles - Ultra Thi
## [30] "NIKE Unisex Nk Heritage Smit - 2.0 Gym Bag"
## [31] "White Vest Style Plastic Carrier Bags - 13 x 19 x 23 - (1 box = 100 bags) - HEAVY DUTY by N / A
## [32] "TommeeTippeeBaby Sleep Bag for Newborns, 0-3 m, 2.5 TOG, The OriginalGrobag Swaddle Bag, Hip-He
## [33] "Clear Plastic Food Bags On a Roll | 1000 Bags | Fruit Vegetable Sandwich Nuts | 9 x 14\""
## [34] "PUMA Unisex Adults Challenger Duffel Bag XS"
## [35] "Storage Master Space Saver Bags for Travel and Home Reusable Vacuum Storage Bags Save 80% More
```

```r
BagPrice2 <- session6 %>%
  html_nodes(".s-widget-container > span .a-color-base div.a-row:nth-of-type(1)") %>%
  html_text()
BagPrice2 <- BagPrice2[1:35]
BagPrice2
```

```
##  [1] "£17.99£17.99"
##  [2] "£23.00£23.00 RRP: £25.49£25.49"
##  [3] "£10.99£10.99"
##  [4] "£22.94£22.94 RRP: £31.99£31.99"
##  [5] "£12.00£12.00"
##  [6] "£14.99£14.99"
##  [7] "£24.99£24.99 (£5.00£5.00/count)"
##  [8] "£16.95£16.95 Was: £17.95£17.95"
##  [9] "£16.99£16.99"
## [10] "£12.00£12.00"
## [11] "£15.99£15.99 RRP: £16.99£16.99"
## [12] "£9.95£9.95 (£1.99£1.99/count)"
## [13] "£17.68£17.68"
## [14] ""
## [15] "£19.99£19.99 RRP: £31.99£31.99"
## [16] "£13.59£13.59 (£0.03£0.03/count) RRP: £20.99£20.99"
## [17] "£10.99£10.99 (£0.04£0.04/count)"
## [18] "£15.00£15.00"
```

```
## [19] "£39.99£39.99 (£0.40£0.40/count)"
## [20] "£26.90£26.90 RRP: £29.99£29.99"
## [21] "£9.02£9.02 (£9.02£9.02/count)"
## [22] "£2.10£2.10"
## [23] "£11.50£11.50"
## [24] "£21.99£21.99"
## [25] "£22.95£22.95"
## [26] ""
## [27] "£21.67£21.67"
## [28] "£12.74£12.74 Was: £14.99£14.99"
## [29] "£36.99£36.99 (£0.04£0.04/count)"
## [30] "£28.40£28.40"
## [31] "£8.99£8.99 (£0.09£0.09/Count)"
## [32] "£18.99£18.99 RRP: £25.49£25.49"
## [33] "£12.99£12.99 (£0.01£0.01/count)"
## [34] "£14.37£14.37 RRP: £20.88£20.88"
## [35] "£9.99£9.99"
```

```r
BagRatings2 <- session6 %>%
  html_nodes(".s-widget-container > span div:nth-of-type(2) .a-section span.a-icon-alt") %>%
  html_text()
BagRatings2 <- BagRatings2[1:35]
BagRatings2
```

```
##  [1] "4.3 out of 5 stars" "4.4 out of 5 stars" "4.2 out of 5 stars"
##  [4] "4.5 out of 5 stars" "4.4 out of 5 stars" "4.6 out of 5 stars"
##  [7] "4.7 out of 5 stars" "4.7 out of 5 stars" "3.6 out of 5 stars"
## [10] "4.4 out of 5 stars" "4.5 out of 5 stars" "4.1 out of 5 stars"
## [13] "4.3 out of 5 stars" "4.8 out of 5 stars" "4.3 out of 5 stars"
## [16] "4.5 out of 5 stars" "4.7 out of 5 stars" "4.6 out of 5 stars"
## [19] "4.7 out of 5 stars" "4.6 out of 5 stars" "4.5 out of 5 stars"
## [22] "4.6 out of 5 stars" "4.7 out of 5 stars" "4.7 out of 5 stars"
## [25] "4.5 out of 5 stars" "4.7 out of 5 stars" "4.6 out of 5 stars"
## [28] "4.6 out of 5 stars" "4.2 out of 5 stars" "4.5 out of 5 stars"
## [31] "4.5 out of 5 stars" "4.4 out of 5 stars" "4.4 out of 5 stars"
## [34] "4.7 out of 5 stars" "4.6 out of 5 stars"
```

```r
BagReviews2 <- session6 %>%
  html_nodes(".s-widget-container > span span.s-underline-text") %>%
  html_text()
BagReviews2 <- BagReviews2[1:35]
BagReviews2
```

```
##  [1] "364"     "61"      "474"     "7,355"   "110"     "3,732"   "623"
##  [8] "819"     "100"     "53"      "2,628"   "379"     "3,098"   "2,116"
## [15] "24"      "3,820"   "201,425" "167"     "320"     "1,110"   "187,734"
## [22] "491"     "7,175"   "291"     "673"     "9,590"   "5,303"   "102"
## [29] "12,738"  "3,349"   "1,452"   "29"      "99"      "2,436"   "4,595"
```

```r
BagProducts <- rbind(BagProducts,data.frame
                    (Name = BagName2,
                     Price = BagPrice2,
                     Ratings = BagRatings2,
                     NoOfReviews = BagReviews2))
```

```
BagThirdLink <- "https://www.amazon.co.uk/s?k=bag&page=3&qid=1707469040&ref=sr_pg_3"
session7 <- bow(BagThirdLink, user_agent = "Educational Purposes")
session7 <- scrape(session7)

BagName3 <- session7 %>%
  html_nodes(".s-widget-container > span h2") %>%
  html_text()
BagName3 <- BagName3[1:35]
BagName3
```

```
##  [1] "OAREA Large Capacity Travel Climbing Bag Tactical Military Backpack Women Army Bags Canvas Buc
##  [2] "Kipling Gabbie S Crossbody Women's  "
##  [3] "Upeelife Large Travel Duffle Bag, Foldable 85L Holdall Bags Weekend Overnight Bag Waterproof Du
##  [4] "EMPSIGN Laptop Bag 17.3 Inch Laptop Briefcase for Men Expandable Water Repellent Shoulder Messe
##  [5] "adidas Unisex Essentials Gym Sack  "
##  [6] "Stronghold 21\" Blue Disposable Piping Bags (100 Bags / 1 Roll)  "
##  [7] "Zuvo Large Handy Storage Bag with Web Handle, Waterproof 600D Oxford Fabric Jumbo Bag 60L | Sti
##  [8] "String Swim PE Bag, Sport Gym Sack Drawstring Bag Waterproof Drawstring Sport Bag with Outside
##  [9] "100 WHITE PLASTIC 15\" X 18\" X 3\" LARGE CARRIER BAGS 38cm x 46cm + 7cm  "
## [10] "KALIDI Corduroy Totes Bag Thicken Tote Bag for Women with zipper Water Repellent Shoulder Handl
## [11] "for Easyjet Airlines Cabin Bag 45x36x20 Underseat Foldable Travel Duffel Bag Holdall Tote Carry
## [12] "WANDF Travel Duffle Bag 65L Shoes Compartment Foldable Overnight Weekender Bag Carry On Bag fo
## [13] "Dizdvizd Travel Bag Duffel Bag for Women and Men, Gym Bag Overnight Bag Weekend Bag Hospital Ba
## [14] "5 PACK Strong Extra large Jumbo Storage Laundry zipped bag Reusable 60 x 60cm  "
## [15] "adidas Diablo Small Duffle Bag  "
## [16] "HERCMNOY Cross Body Bag Women's Shoulder Bags Multi Pocket Casual Handbag Travel Messenger Bags
## [17] "Amazon Basics Dog Poop Bags With Dispenser and Leash Clip, Unscented, 15 Count (Pack of 20), To
## [18] "Disney Lilo & Stitch Drawstring Bag School PE Trainer Swim Bag  "
## [19] "DEWALT DG5102 Multi-Purpose Zip Bags, 2 Pack, Black  "
## [20] "Nike NK Brsla Shoe Sport Bag for Man  "
## [21] "G4Free RFID Sling Bag Crossbody Backpack Chest Shoulder Bag Casual Gym Daypack Men Women Outdo
## [22] "MATEIN Messenger Bag, Mens Laptop Bag 15.6 inch Water Resistant Laptop Bag with Adjustable Shou
## [23] "ECOHUB Ryanair Cabin Bag 40x20x25 Underseat Travel Bag 13 Pockets Hand Luggage Backpack Recycle
## [24] "SPAHER Small Men Side Bag Shoulder Bag Outdoor Sports Hiking Waist Pack Crossbody Tactical MOL
## [25] "NIKE Unisex Nk Heritage Crossbody - Fa21 Gym Bag  "
## [26] "Clear Plastic Food Bags On a Roll | 1000 Bags | Fruit Vegetable Sandwich Nuts | 9 x 14\"  "
## [27] "REDCAMP Foldable Travel Bag, 75L Large Sports Bag, Packable Duffle Bag, Lightweight Waterproof
## [28] "Ted Baker Aracon Plain Bow Small Icon Bag  "
## [29] "Kipling Gabbie Shoulder Bag Women's  "
## [30] "Adidas HT4744 Linear Duf XS Gym Bag Unisex Black - White NS  "
## [31] "flintronic Paper Bags, 12 Pcs Rainbow Gift and Sweet Bags with Handles, Kraft Bags for Kids Pa
## [32] "Bakery Direct 100% Recyclable 21\" Savoy Piping Bags x 100  "
## [33] "Nike Brasilia Gym Sack - Black/Black/White, MISC  "
## [34] "Disney Kids The Little Mermaid Swim Bag  "
## [35] "KALIDI Women's Thickened Corduroy Tote Bag with Zip Waterproof Shoulder Bag with Pockets Casual
```

```
BagPrice3 <- session7 %>%
  html_nodes(".s-widget-container > span .a-color-base div.a-row:nth-of-type(1)") %>%
  html_text()
BagPrice3 <- BagPrice3[1:35]
BagPrice3
```

```
##  [1] "£18.32£18.32"
##  [2] "£53.10£53.10 RRP: £78.30£78.30"
##  [3] "£22.49£22.49"
##  [4] "£26.66£26.66"
##  [5] "£10.80£10.80"
##  [6] "£9.32£9.32 (£0.09£0.09/count)"
##  [7] "£7.19£7.19"
##  [8] "£6.66£6.66 RRP: £6.91£6.91"
##  [9] "£7.49£7.49 (£0.07£0.07/count)"
## [10] "£10.82£10.82"
## [11] "£10.66£10.66 Was: £13.32£13.32"
## [12] "£19.16£19.16"
## [13] "£19.99£19.99 RRP: £22.99£22.99"
## [14] "£8.95£8.95 (£1.79£1.79/count)"
## [15] "£23.73£23.73"
## [16] "£14.99£14.99"
## [17] "£8.12£8.12 (£8.12£8.12/count)"
## [18] "£8.33£8.33"
## [19] "£20.87£20.87"
## [20] "£22.99£22.99"
## [21] "£19.99£19.99 Was: £20.82£20.82"
## [22] "£37.16£37.16"
## [23] "£28.32£28.32"
## [24] "£14.16£14.16"
## [25] "£20.65£20.65"
## [26] "£10.82£10.82 (£0.01£0.01/count)"
## [27] "£14.16£14.16 Was: £14.91£14.91"
## [28] "£20.50£20.50"
## [29] "£49.76£49.76 RRP: £83.70£83.70"
## [30] "£20.70£20.70"
## [31] "£4.07£4.07 (£0.34£0.34/count) RRP: £4.99£4.99"
## [32] "£9.58£9.58"
## [33] "£18.32£18.32"
## [34] "£14.12£14.12 Was: £14.96£14.96"
## [35] "£11.32£11.32 Was: £11.82£11.82"
```

```r
BagRatings3 <- session7 %>%
  html_nodes(".s-widget-container > span .a-star-small-4-5 span") %>%
  html_text()
BagRatings3 <- BagRatings3[1:35]
BagRatings3
```

```
##  [1] "4.5 out of 5 stars" "4.7 out of 5 stars" "4.3 out of 5 stars"
##  [4] "4.6 out of 5 stars" "4.4 out of 5 stars" "4.5 out of 5 stars"
##  [7] "4.4 out of 5 stars" "4.3 out of 5 stars" "4.4 out of 5 stars"
## [10] "4.5 out of 5 stars" "4.4 out of 5 stars" "4.6 out of 5 stars"
## [13] "4.4 out of 5 stars" "4.7 out of 5 stars" "4.7 out of 5 stars"
## [16] "4.6 out of 5 stars" "4.4 out of 5 stars" "4.5 out of 5 stars"
## [19] "4.6 out of 5 stars" "4.6 out of 5 stars" "4.6 out of 5 stars"
## [22] "4.5 out of 5 stars" "4.3 out of 5 stars" "4.5 out of 5 stars"
## [25] "4.6 out of 5 stars" "4.6 out of 5 stars" "4.7 out of 5 stars"
## [28] "4.6 out of 5 stars" "4.7 out of 5 stars" "4.4 out of 5 stars"
## [31] "4.6 out of 5 stars" "4.7 out of 5 stars" "4.5 out of 5 stars"
## [34] "4.5 out of 5 stars" "4.6 out of 5 stars"
```

```
BagReviews3 <- session7 %>%
  html_nodes(".s-widget-container > span span.s-underline-text") %>%
  html_text()
BagReviews3 <- BagReviews3[1:35]
BagReviews3
```

```
##  [1] "291"     "3,369"   "528"     "658"     "53"      "741"     "1,426"
##  [8] "1,936"   "516"     "260"     "513"     "519"     "236"     "379"
## [15] "10,700"  "128"     "187,734" "4,152"   "786"     "888"     "2,084"
## [22] "872"     "6,908"   "673"     "99"      "8,608"   "67"      "2,506"
## [29] "279"     "5,205"   "7,175"   "1,992"   "819"     "664"     "4,474"
```

```
BagProducts <- rbind(BagProducts,data.frame
                       (Name = BagName2,
                        Price = BagPrice2,
                        Ratings = BagRatings2,
                        NoOfReviews = BagReviews2))
```

10 Products

#First Product under Watch Category

```
ProductOneLink <- "https://www.amazon.co.uk/Timex-Analogue-Display-Leather-T2H291/dp/B000AYYIYK/ref=sr_
session8 <- bow(ProductOneLink, user_agent = "Educational Purposes")
session8 <- scrape(session8)

ProductName1 <- session8 %>%
  html_nodes("span.product-title-word-break") %>%
  html_text()
ProductName1
```

```
## [1] "         Timex Easy Reader 35 mm Date Window Watch         "
```

```
ProductReviewer1 <- session8 %>%
  html_nodes("#cm-cr-dp-review-list div.a-spacing-mini[data-hook], .cr-desktop-review-page-0 div.a-spaci
  html_text()
ProductReviewer1 <- ProductReviewer1[1:10]
ProductReviewer1
```

```
##  [1] "BlueberryPi"                "The chef! "
##  [3] "Pigs might fly"             "Macca"
##  [5] "master"                     "Brianh"
##  [7] "Paul winter"                "Pawel Plawiak"
##  [9] "Jorge Vicente Rocha Bautista" "Gonzalo Merino "
```

```
ProductReview1 <- session8 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .cr-desktop-review-page-0 .a-expander-con
  html_text()
ProductReview1 <- ProductReview1[1:10]
ProductReview1
```

```
##  [1] "I had one of these when I was a kid and the Indiglo watches had just come out. Unfortunately ba
##  [2] "Excellent clear figures, classy design and push button facility to light up at night. Time disp
##  [3] "This is a really good day-to-day watch. A simple dial face which is easy to see and use but not
##  [4] "I needed a watch that was very clear and easy to read, especially in low light and this does th
##  [5] "I have one of these for many years and it has been so reliable and a good looking simple watch
##  [6] "I have had several Timex watches over the years and never had any problems with them. This is w
```

```
##  [7] "Good Value nice looking watch"
##  [8] "Simple, budget watch, I am satisfied overall."
##  [9] "Si eres un hombre, no te recomiendo este reloj, es demasiado pequeño, de easy reader no tiene
## [10] "Esta genial, lo uso todos los días y esta perfecto, incluso he estado bajo la lluvia un par de
```

```r
ReviewDate1 <- session8 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a
  html_text()
ReviewDate1 <- ReviewDate1[1:10]
ReviewDate1
```

```
##  [1] "Reviewed in the United Kingdom on 31 December 2021"
##  [2] "Reviewed in the United Kingdom on 11 November 2023"
##  [3] "Reviewed in the United Kingdom on 5 November 2023"
##  [4] "Reviewed in the United Kingdom on 10 December 2023"
##  [5] "Reviewed in the United Kingdom on 24 January 2024"
##  [6] "Reviewed in the United Kingdom on 10 December 2023"
##  [7] "Reviewed in the United Kingdom on 30 January 2024"
##  [8] "Reviewed in the United Kingdom on 29 December 2023"
##  [9] "Reviewed in Mexico on 4 November 2023"
## [10] "Reviewed in Mexico on 27 August 2023"
```

```r
ProductRatings1 <- session8 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%
  html_text()
ProductRatings1 <- ProductRatings1[1:10]
ProductRatings1
```

```
##  [1] "5.0 out of 5 stars" "5.0 out of 5 stars" "4.0 out of 5 stars"
##  [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [7] "5.0 out of 5 stars" "5.0 out of 5 stars" "4.0 out of 5 stars"
## [10] "5.0 out of 5 stars"
```

Product #2

```r
ProductTwoLink <- "https://www.amazon.co.uk/Sonic-Digital-Quartz-Silicone-SNC4137/dp/B09MZH49WM/ref=pd_
session9 <- bow(ProductTwoLink, user_agent = "Educational Purposes")
session9 <- scrape(session9)

ProductName2 <- session9 %>%
  html_nodes("span.product-title-word-break") %>%
  html_text()
ProductName2
```

```
## [1] "        Sonic Boy's Digital Quartz Watch with Silicone Strap SNC4137        "
```

```r
ProductReviewer2 <- session9 %>%
  html_nodes("#cm-cr-dp-review-list div.a-spacing-mini[data-hook], .cr-desktop-review-page-0 div.a-spaci
  html_text()
ProductReviewer2 <- ProductReviewer2[1:10]
ProductReviewer2
```

```
##  [1] "Muy grande, bien para una persona con cabello muy largo y abundante"
##  [2] "Amazon Customer"
##  [3] "Amazon Customer"
##  [4] "Nazira B."
##  [5] "lee"
```

```
##  [6] "Mrs p wilson"
##  [7] "Amazon Customer"
##  [8] "Dimitris"
##  [9] "Txatu"
## [10] "Stella"
```

```r
ProductReview2 <- session9 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .a-expander-content span.cr-original-revie
  html_text()
ProductReview2 <- ProductReview2[1:10]
ProductReview2
```

```
##  [1] "Arrived next day true to size colour and description. My nephew loved this watch. It's very wel
##  [2] "I bought this for my 5 year old nephew and he loved it. He is obsessed with sonic! It was easy
##  [3] "Was a gift. Nice."
##  [4] "My little loved it and was made good"
##  [5] "look good not open as they are christmas present"
##  [6] "My son got this at Christmas and despite trying multiple times, we cannot set the correct time
##  [7] "my godson loves this watch"
##  [8] "Era para mí hijo de 6 años es super chulo y además cuando no estás mirando la hora se apaga, e
##  [9] "Reviewed in Italy on 28 November 2023"
## [10] "Ben fatto!"
```

```r
ReviewDate2 <- session9 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a
  html_text()
ReviewDate2 <- ReviewDate2[1:10]
ReviewDate2
```

```
##  [1] "Reviewed in the United Kingdom on 16 January 2024"
##  [2] "Reviewed in the United Kingdom on 10 January 2024"
##  [3] "Reviewed in the United Kingdom on 31 January 2024"
##  [4] "Reviewed in the United Kingdom on 24 January 2024"
##  [5] "Reviewed in the United Kingdom on 17 January 2024"
##  [6] "Reviewed in the United Kingdom on 28 November 2023"
##  [7] "Reviewed in the United Kingdom on 12 January 2024"
##  [8] "Reviewed in the United Kingdom on 2 January 2024"
##  [9] "Reviewed in Spain on 7 January 2024"
## [10] "Reviewed in Italy on 28 November 2023"
```

```r
ProductRatings2 <- session8 %>%
  html_nodes(".a-size-base .a-star-5 span, .a-spacing-none .a-spacing-none .a-star-5 span") %>%
  html_text()
ProductRatings2 <- ProductRatings2[1:10]
ProductRatings2
```

```
##  [1] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [7] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "5.0 out of 5 stars"
```

Product #3

```r
ProductThirdLink <- "https://www.amazon.co.uk/Timex-T42571-Expedition-Analogue-Display/dp/B000SZNSVA/re
session10 <- bow(ProductThirdLink, user_agent = "Educational Purposes")
session10 <- scrape(session10)
```

```
ProductName3 <- session10 %>%
  html_nodes("span.product-title-word-break") %>%
  html_text()
ProductName3
```

```
## [1] "        Timex Expedition Camper Men's 39 mm Watch        "
```

```
ProductReviewer3 <- session9 %>%
  html_nodes("#customer_review-RI3R5KMIQVGVB div.a-profile-content, div.review:nth-of-type(n+2) a span.a
  html_text()
ProductReviewer3 <- ProductReviewer3[1:10]
ProductReviewer3
```

```
##  [1] "Amazon Customer" "Amazon Customer" "Nazira B."       "lee"
##  [5] "Mrs p wilson"    "Amazon Customer" "Dimitris"        "Stella"
##  [9] "ballier"         "Basel"
```

```
ProductReview3 <- session9 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content > span, .cr-desktop-review-page-0 .a-expander-co
  html_text()
ProductReview3 <- ProductReview3[1:10]
ProductReview3
```

```
##  [1] "Arrived next day true to size colour and description. My nephew loved this watch. It's very wel
##  [2] "I bought this for my 5 year old nephew and he loved it. He is obsessed with sonic! It was easy
##  [3] "Was a gift. Nice."
##  [4] "My little loved it and was made good"
##  [5] "look good not open as they are christmas present"
##  [6] "My son got this at Christmas and despite trying multiple times, we cannot set the correct time
##  [7] "my godson loves this watch"
##  [8] "Era para mí hijo de 6 años es super chulo y además cuando no estás mirando la hora se apaga, es
##  [9] "Ben fatto!"
## [10] "Cadeau pour les 7 ans de mon fils vraiment jolie et simple"
```

```
ReviewDate3 <- session9 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a
  html_text()
ReviewDate3 <- ReviewDate3[1:10]
ReviewDate3
```

```
##  [1] "Reviewed in the United Kingdom on 16 January 2024"
##  [2] "Reviewed in the United Kingdom on 10 January 2024"
##  [3] "Reviewed in the United Kingdom on 31 January 2024"
##  [4] "Reviewed in the United Kingdom on 24 January 2024"
##  [5] "Reviewed in the United Kingdom on 17 January 2024"
##  [6] "Reviewed in the United Kingdom on 28 November 2023"
##  [7] "Reviewed in the United Kingdom on 12 January 2024"
##  [8] "Reviewed in the United Kingdom on 2 January 2024"
##  [9] "Reviewed in Spain on 7 January 2024"
## [10] "Reviewed in Italy on 28 November 2023"
```

```
ProductRatings3 <- session8 %>%
  html_nodes(".a-size-base .a-star-5 span, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%
  html_text()
ProductRatings3 <- ProductRatings3[1:10]
ProductRatings3
```

```
## [1] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [7] "5.0 out of 5 stars" "4.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "5.0 out of 5 stars"
```

Product #4

```r
ProductFourthLink <- "https://www.amazon.co.uk/SEKONDA-Analogue-Display-Leather-3882-27/dp/B07571Z867/r
session11<- bow(ProductFourthLink, user_agent = "Educational Purposes")
session11 <- scrape(session11)

ProductName4 <- session11 %>%
  html_nodes("span.a-size-large") %>%
  html_text()
ProductName4
```

```
## [1] "        Sekonda Men's 42mm Pilot Style Quartz Watch with Analogue Display Date Window and Leath
```

```r
ProductReviewer4 <- session11 %>%
  html_nodes(".a-section.celwidget a span.a-profile-name, .a-spacing-mini div.a-profile span") %>%
  html_text()
ProductReviewer4 <- ProductReviewer4[1:10]
ProductReviewer4
```

```
##  [1] "memyselfandi"
##  [2] "Amazon Customer"
##  [3] "Amazon Customer"
##  [4] "gladys"
##  [5] "Mickb"
##  [6] "KM"
##  [7] "Andrew J Sandilands"
##  [8] "Excellent on deck shoes.  Just what I wanted. "
##  [9] "Guardiola "
## [10] "Heimdal"
```

```r
ProductReview4 <- session11 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, #customer_review_foreign-R1AIX7URY9RTIZ d
  html_text()
ProductReview4 <- ProductReview4[1:10]
ProductReview4
```

```
##  [1] "I'm a bit of a watch nerd- mainly seiko/ citizens and some casios in the mix. Saw this watch a
##  [2] "Love the quality strap and the fine stitching detail and particularly taken with the brown fac
##  [3] "N/A"
##  [4] "Bought as a gift for my son who had been wearing a non-working watch for ages. He loved it, li
##  [5] "Very good looking watch love the leather strap"
##  [6] "This is a replacement for my current Sekonda which is still alive and ticking but as the price
##  [7] "Watch looks okay but strap to short for normal man's wrist. Tried with several family members
##  [8] "This watch cost me less than a new strap for my old watch. I believe Sekonda to be a good make
##  [9] "\n\n\n\n\n\n\n  \n    Regalo \n  \n  \n"
## [10] "Sehr schöne Uhr für den täglichen Einsatz. Bei dem Preis auch auf Reisen eine gute Idee."
```

```r
ReviewDate4 <- session11 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.
  html_text()
ReviewDate4 <- ReviewDate4[1:10]
ReviewDate4
```

```
## [1] "Reviewed in the United Kingdom on 21 October 2023"
## [2] "Reviewed in the United Kingdom on 11 July 2023"
## [3] "Reviewed in the United Kingdom on 31 October 2023"
## [4] "Reviewed in the United Kingdom on 7 January 2024"
## [5] "Reviewed in the United Kingdom on 11 January 2024"
## [6] "Reviewed in the United Kingdom on 29 November 2023"
## [7] "Reviewed in the United Kingdom on 31 December 2023"
## [8] "Reviewed in the United Kingdom on 15 December 2023"
## [9] "Reviewed in Spain on 28 December 2023"
## [10] "Reviewed in Germany on 17 July 2023"
```

```r
ProductRatings4 <- session11 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-icon-star span, i.a-star
  html_text()
ProductRatings4 <- ProductRatings4[1:10]
ProductRatings4
```

```
## [1] "5.0 out of 5 stars" "5.0 out of 5 stars" "4.0 out of 5 stars"
## [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [7] "3.0 out of 5 stars" "4.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "5.0 out of 5 stars"
```

Product #5

```r
ProductFifthLink <- "https://www.amazon.co.uk/Sekonda-Quartz-Analogue-Display-3347-27/dp/B005COLZ94/ref=
session12<- bow(ProductFifthLink, user_agent = "Educational Purposes")
session12 <- scrape(session12)

ProductName5 <- session12 %>%
  html_nodes("span.product-title-word-break") %>%
  html_text()
ProductName5
```

```
## [1] "        Sekonda Mens 43mm Wingman Pilot Style Watch with Date Window and Nylon Strap 50m Water F
```

```r
ProductReviewer5 <- session12 %>%
  html_nodes(".a-row[data-hook] a span, .a-row[data-hook] div .a-profile-content span") %>%
  html_text()
ProductReviewer5 <- ProductReviewer5[1:10]
ProductReviewer5
```

```
## [1] "Amazon Customer" "NewMoon"        "nesco"          "Eric"
## [5] "PD"             "grhaffdd"       "Andrew Boyd"    "Sean"
## [9] "Stevelust2001"  "JACKSON"
```

```r
ProductReview5 <- session12 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .cr-desktop-review-page-0 .a-expander-con
  html_text()
ProductReview5 <- ProductReview5[1:10]
ProductReview5
```

```
## [1] "When I first saw this watch I liked it but I thought it looked a bit like a toy watch and that
## [2] "Good watch for the price. The dial fogged up a little bit at one point so that worried me but
## [3] "This is a very well designed homage to military watches from the past, looks good and at £30 is
## [4] "Nice and stylish."
## [5] "Very good for the price but fitted a nato strap for comfort. It's impossible to see the time in
## [6] "Watch is clear enough that I can read it without reading glasses, unlike most watches and is th
```

```
##  [7] "The watch is great. It has that clean, clear military look along with a metal case that will n
##  [8] "I love this watch. It's a modern take on military Flieger/pilot watches.Pros:- Massive 43mm ca
##  [9] " Great watch with beautiful legibility and very decent lume. The crown is low on the watch cas
## [10] "El diseño del reloj es muy bonito, pero la correa es bastante deficiente. No obstante gustó a
```

```r
ReviewDate5 <- session12 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.
  html_text()
ReviewDate5 <- ReviewDate5[1:10]
ReviewDate5
```

```
##  [1] "Reviewed in the United Kingdom on 23 November 2023"
##  [2] "Reviewed in the United Kingdom on 24 January 2024"
##  [3] "Reviewed in the United Kingdom on 10 November 2023"
##  [4] "Reviewed in the United Kingdom on 16 January 2024"
##  [5] "Reviewed in the United Kingdom on 30 August 2023"
##  [6] "Reviewed in the United Kingdom on 1 January 2024"
##  [7] "Reviewed in the United Kingdom on 9 May 2023"
##  [8] "Reviewed in the United Kingdom on 6 February 2023"
##  [9] "Reviewed in the United States on 24 June 2023"
## [10] "Reviewed in Spain on 23 November 2023"
```

```r
ProductRatings5 <- session12 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-icon-star span") %>%
  html_text()
ProductRatings5 <- ProductRatings5[1:10]
ProductRatings5
```

```
##  [1] "5.0 out of 5 stars" "4.0 out of 5 stars" "5.0 out of 5 stars"
##  [4] "5.0 out of 5 stars" "3.0 out of 5 stars" "5.0 out of 5 stars"
##  [7] "4.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "4.0 out of 5 stars"
```

Product #6

```r
ProductSixLink <- "https://www.amazon.co.uk/Fossil-FS5304-Mens-Watch/dp/B06W2JSJ4H/ref=sr_1_32?crid=YYE
session13<- bow(ProductSixLink, user_agent = "Educational Purposes")
session13 <- scrape(session13)

ProductName6<- session13 %>%
  html_nodes("span.product-title-word-break") %>%
  html_text()
ProductName6
```

```
## [1] "        Fossil Men's The Minimalist Slim Three-Hand Light Brown Leather Watch        "
```

```r
ProductReviewer6 <- session13 %>%
  html_nodes(".a-row[data-hook] a span, .a-row[data-hook] div .a-profile-content span") %>%
  html_text()
ProductReviewer6 <- ProductReviewer6[1:10]
ProductReviewer6
```

```
##  [1] "Emma"                  "Ernest McVitty"
##  [3] "Carol"                 "Amazon Customer"
##  [5] "VV"                    "Mark Goodrum"
##  [7] "Duma"                  "Amazon Customer"
##  [9] "Karla Nydia Montes Roldan" "Clarisa"
```

```
ProductReview6 <- session13 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .cr-desktop-review-page-0 .a-expander-con
  html_text()
ProductReview6 <- ProductReview6[1:10]
ProductReview6
```

```
##  [1] "The face is rather bigger than expected, it looks quite imposing on the wrist. It looks very p
##  [2] "The watch my daughter wanted arrived on time with no fuss. Everyone is happy."
##  [3] "Birthday present and my husband will only wear slim/thin watches. This was perfect"
##  [4] "Happy"
##  [5] "Positive"
##  [6] "It has a large face so easy to read when haven't got glasses on. Brilliant leather strap."
##  [7] "Stylish watch, with a minimalist look and is very comfortable to wear."
##  [8] "this is not your fault, but can you pass a message to amazon,  why can they not knock on the d
##  [9] "Me gustó mucho, es un diseño minimalista pero elegante y de buena calidad. En general esta mar
## [10] "El reloj es idéntico a como se muestra en la imagen, buena calidad y aspecto. Fue un regalo y
```

```
ReviewDate6 <- session13 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.
  html_text()
ReviewDate6 <- ReviewDate6[1:10]
ReviewDate6
```

```
##  [1] "Reviewed in the United Kingdom on 5 September 2022"
##  [2] "Reviewed in the United Kingdom on 5 January 2024"
##  [3] "Reviewed in the United Kingdom on 2 December 2022"
##  [4] "Reviewed in the United Kingdom on 20 November 2022"
##  [5] "Reviewed in the United Kingdom on 3 August 2023"
##  [6] "Reviewed in the United Kingdom on 25 April 2021"
##  [7] "Reviewed in the United Kingdom on 4 March 2021"
##  [8] "Reviewed in the United Kingdom on 13 January 2022"
##  [9] "Reviewed in Mexico on 11 January 2024"
## [10] "Reviewed in Mexico on 3 August 2023"
```

```
ProductRatings6 <- session13 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-icon-star span") %>%
  html_text()
ProductRatings6 <- ProductRatings6[1:10]
ProductRatings6
```

```
##  [1] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [4] "4.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [7] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "5.0 out of 5 stars"
```

Product #7

```
ProductSeventhLink <- "https://www.amazon.co.uk/Casio-MQ24-7B2-Analog-Watch-Black/dp/B000GB0G7A/ref=sr_
session14<- bow(ProductSeventhLink, user_agent = "Educational Purposes")
session14 <- scrape(session14)

ProductName7<- session14 %>%
  html_nodes("span.a-size-large") %>%
  html_text()
ProductName7
```

```
## [1] "          Casio Men's MQ24-7B2 with Black Resin Band          "
```

```r
ProductReviewer7<- session14 %>%
  html_nodes(".a-row[data-hook] a span, .a-row[data-hook] div .a-profile-content span") %>%
  html_text()
ProductReviewer7 <- ProductReviewer7[1:10]
ProductReviewer7
```

```
##  [1] "Anthony Roberts"        "M.E.R.Barmby"
##  [3] "hoppo"                  "Amazon Customer"
##  [5] "venetia yolande gooding" "J. bowen"
##  [7] "Stuart M."              "Bigtoner"
##  [9] "Jeffrey Lou"            "Eduardo Cuello Suazo"
```

```r
ProductReview7<- session14 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .cr-desktop-review-page-0 .a-expander-con
  html_text()
ProductReview7 <- ProductReview7[1:10]
ProductReview7
```

```
##  [1] "The batteries in these watches last about 61/2 years. I bought my 1st one for £6.99 in 2010. i
##  [2] "A simple clear faced watch ."
##  [3] "Cheap hygienic watch. Can be scrubbed under the tap. Keeps good time. Very light.  When the bat
##  [4] "Great for the price"
##  [5] "Bought as a gift every day watch.good value for money comfortable."
##  [6] "My wife wanted an every day watch to look smart go swimming do the garden and use in shower wi
##  [7] "Battery died after 1 months use which is very disappointing. Overall the look at feel is what y
##  [8] "These have replaced my more expensive watches which now reside in a drawer. This is my third o
##  [9] "Casio have always been a fairly reliable brand, and this watch was great. I ordered it for a fr
## [10] "I recently bought the Casio Men's MQ24-7B2 Analog Watch with a Black Resin Band and I must say
```

```r
ReviewDate7 <- session14 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.
  html_text()
ReviewDate7 <- ReviewDate7[1:10]
ReviewDate7
```

```
##  [1] "Reviewed in the United Kingdom on 9 December 2023"
##  [2] "Reviewed in the United Kingdom on 29 December 2023"
##  [3] "Reviewed in the United Kingdom on 6 October 2012"
##  [4] "Reviewed in the United Kingdom on 23 December 2023"
##  [5] "Reviewed in the United Kingdom on 3 November 2023"
##  [6] "Reviewed in the United Kingdom on 29 July 2023"
##  [7] "Reviewed in the United Kingdom on 29 June 2016"
##  [8] "Reviewed in the United Kingdom on 18 May 2019"
##  [9] "Reviewed in Canada on 9 January 2024"
## [10] "Reviewed in the United States on 26 December 2023"
```

```r
ProductRatings7<- session14 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-icon-star span") %>%
  html_text()
ProductRatings7 <- ProductRatings7[1:10]
ProductRatings7
```

```
##  [1] "5.0 out of 5 stars" "5.0 out of 5 stars" "4.0 out of 5 stars"
##  [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [7] "3.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
```

```
## [10] "5.0 out of 5 stars"
```

```
ProductEightLink <- "https://www.amazon.co.uk/Casio-Collection-Mens-Watch-MW-240-4BVEF/dp/B01BMG1NHE/re
session15<- bow(ProductEightLink, user_agent = "Educational Purposes")
session15 <- scrape(session15)


ProductName8<- session15 %>%
  html_nodes("span.a-size-large") %>%
  html_text()
ProductName8
```

```
## [1] "        Casio Men's Watch in Resin/Acrylic Glass with Neo Display & Buckle - Water Resistant to
```

```
ProductReviewer8<- session15 %>%
  html_nodes(".a-row[data-hook] a span, .a-row[data-hook] div .a-profile-content span") %>%
  html_text()
ProductReviewer8 <- ProductReviewer8[1:10]
ProductReviewer8
```

```
##  [1] "Caroline B"     "V. E. Edwards"  "john"           "Toddy"
##  [5] "Roo"            "Amazon Customer" "Chris"          "Amazon Customer"
##  [9] "Max"            "LOVAMA"
```

```
ProductReview8<- session15 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .cr-desktop-review-page-0 .a-expander-con
  html_text()
ProductReview8 <- ProductReview8[1:10]
ProductReview8
```

```
##  [1] "Excellent value watch that I've hardly had off my wrist since I bought it a couple of months ag
##  [2] "For the price this watch can't be beaten. Looks good. Easy to read. Could have better luminosi
##  [3] "This wee watch is easy to wear, Tells the time accurately, looks good and you are not worrying
##  [4] "Wanted a clear watch face (as a glasses wearer) for swimming. This fits the bill perfectly nic
##  [5] "Seeking a no-nonsense, everyday analogue watch with a simplistic, gimmick-free design, which i
##  [6] "It's a perfect unshowy dependable watch. I can see the hands glow in the dark."
##  [7] "Perfect cheap watch, the hands glow in the dark, the numbers are big and easy to read. I have
##  [8] "I would recommend this watch"
##  [9] "Sehr stabile Konstruktion trotz der Kunststoffbauweise.Deshalb sehr gut geeignet für den harte
## [10] "Bilan et perspectives après un mois d'utilisation :-)Bilan:- Livraison très rapide, boîte impe
```

```
ReviewDate8 <- session15 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.
  html_text()
ReviewDate8 <- ReviewDate8[1:10]
ReviewDate8
```

```
##  [1] "Reviewed in the United Kingdom on 24 March 2019"
##  [2] "Reviewed in the United Kingdom on 18 March 2023"
##  [3] "Reviewed in the United Kingdom on 4 January 2024"
##  [4] "Reviewed in the United Kingdom on 24 January 2024"
##  [5] "Reviewed in the United Kingdom on 11 March 2023"
##  [6] "Reviewed in the United Kingdom on 25 November 2023"
##  [7] "Reviewed in the United Kingdom on 6 February 2024"
##  [8] "Reviewed in the United Kingdom on 25 January 2024"
##  [9] "Reviewed in Germany on 30 March 2023"
## [10] "Reviewed in France on 3 November 2019"
```

```r
ProductRatings8<- session15 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-icon-star span") %>%
  html_text()
ProductRatings8 <- ProductRatings8[1:10]
ProductRatings8
```

```
##  [1] "5.0 out of 5 stars" "4.0 out of 5 stars" "5.0 out of 5 stars"
##  [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [7] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "5.0 out of 5 stars"
```

Product #9

```r
ProductNineLink <- "https://www.amazon.co.uk/Casio-Collection-Mens-Watch-MW-240-4BVEF/dp/B01BMG1NHE/ref=
session16<- bow(ProductNineLink, user_agent = "Educational Purposes")
session16 <- scrape(session16)

ProductName9<- session16 %>%
  html_nodes("span.a-size-large") %>%
  html_text()
ProductName9
```

```
## [1] "       Casio Men's Watch in Resin/Acrylic Glass with Neo Display & Buckle - Water Resistant to
```

```r
ProductReviewer9<- session16 %>%
  html_nodes(".a-row[data-hook] a span, .a-row[data-hook] div .a-profile-content span") %>%
  html_text()
ProductReviewer9 <- ProductReviewer9[1:10]
ProductReviewer9
```

```
##  [1] "Caroline B"      "V. E. Edwards"   "john"            "Toddy"
##  [5] "Roo"             "Amazon Customer" "Chris"           "Amazon Customer"
##  [9] "Max"             "LOVAMA"
```

```r
ProductReview9<- session16 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .cr-desktop-review-page-0 .a-expander-con
  html_text()
ProductReview9 <- ProductReview9[1:10]
ProductReview9
```

```
##  [1] "Excellent value watch that I've hardly had off my wrist since I bought it a couple of months ag
##  [2] "For the price this watch can't be beaten. Looks good. Easy to read. Could have better luminosi
##  [3] "This wee watch is easy to wear, Tells the time accurately, looks good and you are not worrying
##  [4] "Wanted a clear watch face (as a glasses wearer) for swimming. This fits the bill perfectly nic
##  [5] "Seeking a no-nonsense, everyday analogue watch with a simplistic, gimmick-free design, which is
##  [6] "It's a perfect unshowy dependable watch. I can see the hands glow in the dark."
##  [7] "Perfect cheap watch, the hands glow in the dark, the numbers are big and easy to read. I have
##  [8] "I would recommend this watch"
##  [9] "Sehr stabile Konstruktion trotz der Kunststoffbauweise.Deshalb sehr gut geeignet für den harte
## [10] "Bilan et perspectives après un mois d'utilisation :-)Bilan:- Livraison très rapide, boîte impe
```

```r
ReviewDate9 <- session16 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.
  html_text()
ReviewDate9 <- session16[1:10]
ReviewDate9
```

```
## $node
## <pointer: 0x55ad7c549860>
##
## $doc
## <pointer: 0x55ad7d8cc9e0>
##
## $<NA>
## NULL
##
## $<NA>
## NULL
##
## $<NA>
## NULL
##
## $<NA>
## NULL
##
## $<NA>
## NULL
##
## $<NA>
## NULL
##
## $<NA>
## NULL
##
## $<NA>
## NULL
```

```r
ProductRatings9<- session16 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-icon-star span") %>%
  html_text()
ProductRatings9 <- ProductRatings9[1:10]
ProductRatings9
```

```
##  [1] "5.0 out of 5 stars" "4.0 out of 5 stars" "5.0 out of 5 stars"
##  [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
##  [7] "5.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "5.0 out of 5 stars"
```

Product #10/Last Product

```r
ProductTenLink <- "https://www.amazon.co.uk/Sekonda-Quartz-Analogue-Display-3347-27/dp/B005COLZ94/ref=s
session17<- bow(ProductTenLink, user_agent = "Educational Purposes")
session17 <- scrape(session17)

ProductName10<- session17 %>%
  html_nodes("span.a-size-large") %>%
  html_text()
ProductName10
```

```
## [1] "          Sekonda Mens 43mm Wingman Pilot Style Watch with Date Window and Nylon Strap 50m Water
## [2] "-33%"
```

```r
ProductReviewer10<- session17 %>%
  html_nodes(".a-row[data-hook] a span, .a-row[data-hook] div .a-profile-content span") %>%
  html_text()
ProductReviewer10 <- ProductReviewer10[1:10]
ProductReviewer10
```

```
## [1] "Amazon Customer" "NewMoon"        "nesco"          "Eric"
## [5] "PD"              "grhaffdd"       "Andrew Boyd"    "Sean"
## [9] "Stevelust2001"   "JACKSON"
```

```r
ProductReview10<- session17 %>%
  html_nodes("#cm-cr-dp-review-list .a-expander-content span, .cr-desktop-review-page-0 .a-expander-con
  html_text()
ProductReview10 <- ProductReview9[1:10]
ProductReview10
```

```
## [1] "Excellent value watch that I've hardly had off my wrist since I bought it a couple of months a
## [2] "For the price this watch can't be beaten. Looks good. Easy to read. Could have better luminosi
## [3] "This wee watch is easy to wear, Tells the time accurately, looks good and you are not worrying
## [4] "Wanted a clear watch face (as a glasses wearer) for swimming. This fits the bill perfectly nic
## [5] "Seeking a no-nonsense, everyday analogue watch with a simplistic, gimmick-free design, which i
## [6] "It's a perfect unshowy dependable watch. I can see the hands glow in the dark."
## [7] "Perfect cheap watch, the hands glow in the dark, the numbers are big and easy to read. I have
## [8] "I would recommend this watch"
## [9] "Sehr stabile Konstruktion trotz der Kunststoffbauweise.Deshalb sehr gut geeignet für den harte
## [10] "Bilan et perspectives après un mois d'utilisation :-)Bilan:- Livraison très rapide, boîte impe
```

```r
ReviewDate10 <- session17 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.
  html_text()
ReviewDate10 <- ReviewDate10[1:10]
ReviewDate10
```

```
## [1] "Reviewed in the United Kingdom on 23 November 2023"
## [2] "Reviewed in the United Kingdom on 24 January 2024"
## [3] "Reviewed in the United Kingdom on 10 November 2023"
## [4] "Reviewed in the United Kingdom on 16 January 2024"
## [5] "Reviewed in the United Kingdom on 30 August 2023"
## [6] "Reviewed in the United Kingdom on 1 January 2024"
## [7] "Reviewed in the United Kingdom on 9 May 2023"
## [8] "Reviewed in the United Kingdom on 6 February 2023"
## [9] "Reviewed in the United States on 24 June 2023"
## [10] "Reviewed in Spain on 23 November 2023"
```

```r
ProductRatings10<- session17 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-icon-star span") %>%
  html_text()
ReviewDate10 <- ReviewDate10[1:10]
ReviewDate10
```

```
## [1] "Reviewed in the United Kingdom on 23 November 2023"
## [2] "Reviewed in the United Kingdom on 24 January 2024"
## [3] "Reviewed in the United Kingdom on 10 November 2023"
## [4] "Reviewed in the United Kingdom on 16 January 2024"
## [5] "Reviewed in the United Kingdom on 30 August 2023"
## [6] "Reviewed in the United Kingdom on 1 January 2024"
## [7] "Reviewed in the United Kingdom on 9 May 2023"
```

```
##  [8] "Reviewed in the United Kingdom on 6 February 2023"
##  [9] "Reviewed in the United States on 24 June 2023"
## [10] "Reviewed in Spain on 23 November 2023"
```