

Lab Exercise 1

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```
install.packages("dplyr") install.packages("rvest") install.packages("httr") install.packages("polite")
```

```
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
```

```
##Permission
```

```
BagLink1 <- "https://www.amazon.co.uk/s?k=bag&crid=3P005N0ZMKL8W&srefix=ba%2Caps%2C379&ref=nb_sb_noss_
session1 <- bow(BagLink1, user_agent = "Educational Purposes")
session1 <- scrape(session1)
```

```
##Name
```

```
BagName1 <- session1 %>%
html_nodes(".s-featured-result-item h2, .s-widget-container > span h2") %>%
html_text()
BagName1 <- BagName1[1:25]
BagName1
```

```
## [1] "VSNOON Anti-Theft Laptop Backpack, 15.6-17.3 inch Business Laptop Rucksack Bag with USB Charging Port"
## [2] "Kono School Backpack Casual Daypack School Bags for Girls Boys Bookbag Lightweight Travel Rucksack"
## [3] "KALIDI Corduroy Hobo Bag Totes Bag Handbag Crossbody Bag Large Capacity Shoulder Bags with Zipper"
## [4] "JAKAGO Canvas Messenger Bag Mens/Women Shoulder Bag with Multiple Pockets for School Travel Outdoor"
## [5] "Prite Corduroy Tote Bag for Women Large Shoulder Bag with Zipper and Pockets for College School"
## [6] "Cabin Bag 45x36x20 for Easyjet Airlines Underseat Travel Bag Holdall Bag Carry on Hand Luggage"
## [7] "VSNOON Laptop Backpack for Women,15.6 Inch Stylish Rucksack Wide Open for College School with USB"
## [8] "Sport Gym Bag, Techyfit Duffel Bag with Shoe Compartment Foldable Training Handbag for Men and Women"
## [9] "Kono Laptop Backpack Anti-Theft Travel Business Computer Rucksack Work Bag with USB Charging Port"
## [10] "Gym Bag, Travel Bag with Wet Pocket, Portable Overnight Bags for Women, Waterproof Lightweight"
## [11] "CHEPULA Drawstring Gym Bag, Large Sports Backpack String Swim Drawstring PE Bags for Women Men"
## [12] "WEERY Large Travel Duffel Bag, 96L Extra Waterproof Holdall Lightweight Foldable Duffel Bag for"
## [13] "Milky Way Womens Multi Pocket Casual Cross Body Bag Travel Bag Messenger Handbag for Shopping"
## [14] "Laptop Backpack, Anti-Theft Business Travel Work Computer Rucksack with USB Charging Port, Large"
```

```
## [15] "Laundry Bag Heavy Duty Storage Bags Reusable Strong Clothes Storage Bags Zip Nylon Large Boxes"
## [16] "FIORETTO Womens Mens Sports Gym Bag Duffle Bag with Shoes Compartment, Weekend Travel Bag Over"
## [17] "KALIDI Thicken Corduroy Totes Bag Extra Large Capacity Handbags Shoulder Bags with Zipper Cord"
## [18] "PUMA Unisex Teamgoal 23 Backpack Core Backpack (pack of 1)  "
## [19] "TESELOR Crossbody Bag for Women with Multiple Pockets Girls Small Shoulder Bag Phone Bag Water"
## [20] "Amazon Basics Compact Laptop Shoulder Bag Carrying Case with Padded Strap and Zippered Accessor"
## [21] "Kipling Gabbie S Crossbody Women's  "
## [22] "Travel Laptop Backpack Water Resistant Anti-Theft Bag with USB Charging Port and Lock 14/15.6 "
## [23] "GDFAN Tote Bag for Women,Ladies Handbag,Soft PU Leather Large Capacity Women's Top Handle Shoul"
## [24] "Della Gao Laptop Backpack,Extra Large Anti-Theft Business Travel Laptop Backpack Bag with USB C"
## [25] "Ryanair Cabin Bags 50x40x20 Maximum Size Carry On Holdall Lightweight Luggage Under Seat Flight"
```

#Price

```
BagPrice1 <- session1 %>%
  html_nodes(".s-featured-result-item .a-size-base div.a-row:nth-of-type(1), div:nth-of-type(n+7) .s-wi"
  html_text()
BagPrice1 <- BagPrice1[1:25]
BagPrice1
```

```
## [1] "£17.83£17.83 RRP: £21.99£21.99" "£11.89£11.89 Was: £14.99£14.99"
## [3] "£9.99£9.99 RRP: £12.99£12.99" "£19.99£19.99 Was: £24.99£24.99"
## [5] "£14.99£14.99" "£19.99£19.99 RRP: £23.99£23.99"
## [7] "£18.99£18.99" "£8.97£8.97 RRP: £10.98£10.98"
## [9] "£10.99£10.99" "£12.99£12.99 Was: £15.99£15.99"
## [11] "£21.24£21.24 Was: £24.99£24.99" ""
## [13] "£16.99£16.99 Was: £19.99£19.99" "£15.99£15.99 RRP: £16.99£16.99"
## [15] "£18.00£18.00" "£14.99£14.99"
## [17] "£14.84£14.84" "£63.41£63.41 RRP: £87.00£87.00"
## [19] "£25.96£25.96" "£13.99£13.99"
## [21] "£27.99£27.99 RRP: £36.99£36.99" "£25.99£25.99"
## [23] "£24.99£24.99" "£18.98£18.98"
## [25] "£17.84£17.84 Was: £20.99£20.99"
```

#Ratings

```
BagRatings1 <- session1 %>%
  html_nodes (".s-featured-result-item span.a-icon-alt, .s-widget-container > span span.a-icon-alt") %>%
  html_text()
BagRatings1 <- BagRatings1[1:25]
BagRatings1
```

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

#Number of Reviews

```
BagNoOfReviews1 <- session1 %>%
  html_nodes (".s-featured-result-item span.s-underline-text, .s-widget-container > span span.s-underline"
  html_text()
BagNoOfReviews1 <- BagNoOfReviews1[1:25]
BagNoOfReviews1
```

```
## [1] "13,130" "1,459" "2,234" "405" "1,082" "17,050" "7,032" "260"
## [9] "1,567" "325" "2,252" "476" "1,657" "8,689" "7,172" "2,063"
## [17] "2,640" "4,130" "105" "52,011" "3,387" "31,096" "965" "28,734"
## [25] "469"
```

```
bag_data <- data.frame(
  Name = BagName1,
  Price = BagPrice1,
  Ratings = BagRatings1,
  No_of_Reviews = BagNoOfReviews1
)
```

```
###
```

```
BagLink2 <- "https://www.amazon.co.uk/s?k=bag&page=2&crd=3P005N0ZMKL8W&qid=1707610316&sprefix=ba%2Caps"
```

```
session2.1 <- bow(BagLink2, user_agent = "Educational Purposes")
session2.1 <- scrape(session2.1)
```

```
#Name
```

```
BagName2 <- session2.1 %>%
```

```
  html_nodes(".s-featured-result-item h2, div:nth-of-type(n+5) .rush-component span.a-size-base-plus, .")
  html_text()
```

```
BagName2 <- BagName2[1:25]
```

```
BagName2
```

```
## [1] "Makukke Cord Bag Women's Shoulder Bags with Zip, Shopper Women's Large Tote Bag Handbag Should
## [2] "Sports Gym Bag Mens Travel Duffle Bag Swimming Weekend Overnight Holdall Bag 40L"
## [3] "Under Armour Unisex UA Undeniable 5.0 Duffle LG Backpack"
## [4] "5pcs Laundry Bag with Zips, YOGINGO Mesh Laundry Bags for Washing Machine, Fine Mesh & Large M
## [5] "Under Armour Unisex Ua Ozsee Backpack Backpack (pack of 1)"
## [6] "FIORETTO Womens Expandable Travel Duffle Bag with Trolley Sleeve, Weekend Overnight Hospital T
## [7] "TITECOUGO Small Sling Bag, Lightweight Crossbody Backpack for Men Women Kids, Shoulder Bag for
## [8] "Trust Primo Laptop Bag 16 Inch, Work Bag with Padded Interior, Adjustable Shoulder Strap, Dual
## [9] "LOVEVOOK Travel Bags for Women, Waterproof Overnight Weekend Hospital Holdall Duffel Bag with
## [10] "Puma Unisex's Challenger Duffel Bag S Sports"
## [11] "KROSER Laptop Backpack 15.6 Inch Stylish Computer Backpack with USB Charging Port Water-repell
## [12] "adidas Unisex Essentials Organizer Sports pouch"
## [13] "KALIDI Canvas Tote Bags Handbags for Women, Canvas Tote Bag with Zipper and Pockets Canvas Sho
## [14] "KALIDI Canvas Tote Bags Handbags for Women, Canvas Tote Bag with Zipper and Pockets Canvas Sho
## [15] "LUGG 15 Inch Jetset Lightweight Travel Cabin Bag Carry On Approved Suitcase ABS Shell Protecti
## [16] "LUGG 15 Inch Jetset Lightweight Travel Cabin Bag Carry On Approved Suitcase ABS Shell Protecti
## [17] "PUMA Unisex Adults Challenger Duffel Bag XS "
## [18] "PUMA Unisex Adults Challenger Duffel Bag XS"
## [19] "Earth Rated Dog Poo Bags with Handles, New Look, Easy Tie and Guaranteed Leakproof, Unscented,
## [20] "Earth Rated Dog Poo Bags with Handles, New Look, Easy Tie and Guaranteed Leakproof, Unscented,
## [21] "for Easyjet Airlines Cabin Bag 45x36x20 Underseat Foldable Travel Duffel Bag Holdall Tote Carry
## [22] "for Easyjet Airlines Cabin Bag 45x36x20 Underseat Foldable Travel Duffel Bag Holdall Tote Carry
## [23] "ETRONIK Gym Bag Womens, Sports Travel Duffel Bag with USB Charging Port, Weekender Overnight B
## [24] "ETRONIK Gym Bag Womens, Sports Travel Duffel Bag with USB Charging Port, Weekender Overnight B
## [25] "Puma Unisex Adults' Buzz Casual Daypack "
```

```

#Price
BagPrice2 <- session2.1 %>%
  html_nodes(".s-featured-result-item .a-size-base div:nth-of-type(1), .s-widget-container > span div.a")
  html_text()
BagPrice2 <- BagPrice2[1:25]
BagPrice2

```

```

## [1] "£14.86£14.86 Was: £15.99£15.99" "£28.86£28.86 Was: £29.99£29.99"
## [3] "£29.95£29.95 RRP: £45.00£45.00" "£29.59£29.59 RRP: £32.99£32.99"
## [5] "£5.99£5.99 (£1.20£1.20/count)" "£9.50£9.50 RRP: £12.00£12.00"
## [7] "£19.99£19.99" "£12.99£12.99"
## [9] "£12.99£12.99 RRP: £14.99£14.99" "£35.99£35.99 RRP: £39.99£39.99"
## [11] "£22.00£22.00" "£24.99£24.99 RRP: £29.99£29.99"
## [13] "£15.00£15.00" "£15.29£15.29 Was: £17.99£17.99"
## [15] "£32.99£32.99" "£15.09£15.09 RRP: £20.88£20.88"
## [17] "£5.50£5.50 RRP: £5.99£5.99" "£9.99£9.99"
## [19] "£26.99£26.99 RRP: £31.99£31.99" "£19.99£19.99 RRP: £23.94£23.94"
## [21] "£29.99£29.99 RRP: £36.00£36.00" "£9.65£9.65"
## [23] "£17.99£17.99" "£13.59£13.59 Was: £14.19£14.19"
## [25] "£9.59£9.59"

```

```

#Ratings
BagRatings2 <- session2.1 %>%
  html_nodes(".s-featured-result-item span.a-icon-alt, .s-widget-container > span div.a-section:nth-of-type(1), .s-widget-container > span div.a-section:nth-of-type(2)")
  html_text()
BagRatings2 <- BagRatings2[1:25]
BagRatings2

```

```

## [1] "4.5 out of 5 stars" "4.7 out of 5 stars" "4.5 out of 5 stars"
## [4] "4.7 out of 5 stars" "4.5 out of 5 stars" "4.6 out of 5 stars"
## [7] "4.1 out of 5 stars" "4.4 out of 5 stars" "4.6 out of 5 stars"
## [10] "4.4 out of 5 stars" "4.6 out of 5 stars" "4.7 out of 5 stars"
## [13] "4.5 out of 5 stars" "4.4 out of 5 stars" "4.4 out of 5 stars"
## [16] "4.5 out of 5 stars" "4.7 out of 5 stars" "4.3 out of 5 stars"
## [19] "4.5 out of 5 stars" "4.6 out of 5 stars" "4.6 out of 5 stars"
## [22] "4.6 out of 5 stars" "4.3 out of 5 stars" "4.4 out of 5 stars"
## [25] "4.4 out of 5 stars"

```

```

#Number of Reviews
BagNoOFReviews2 <- session2.1 %>%
  html_nodes(".s-featured-result-item span.s-underline-text, .s-widget-container > span div.a-section:nth-of-type(1), .s-widget-container > span div.a-section:nth-of-type(2)")
  html_text()
BagNoOFReviews2 <- BagNoOFReviews2[1:25]
BagNoOFReviews2

```

```

## [1] "799" "13" "902" "1,690" "2,796" "2,449" "98" "577"
## [9] "3,749" "312" "4,454" "6,858" "176" "390" "528" "2,443"
## [17] "22,551" "37,468" "7,414" "12,731" "2,441" "5,900" "366" "672"
## [25] "210"

```

```

bag_data2 <- data.frame(
  Name = BagName2,
  Price = BagPrice2,
  Ratings = BagRatings2,
  No_of_Reviews = BagNoOFReviews2
)

```

```
###
###
```

```
BagLink3 <- "https://www.amazon.co.uk/s?k=bag&page=3&crd=3P005N0ZMKL8W&qid=1707612635&sprefix=ba%2Caps,
session3.1 <- bow(BagLink3, user_agent = "Educational Purposes")
session3.1 <- scrape(session3.1)
```

```
#Name
```

```
BagName3 <-session3.1 %>%
  html_nodes(".s-widget-container > span span.a-size-base-plus, div:nth-of-type(n+8) .s-widget-container :
  html_text()
BagName3 <- BagName3[1:25]
BagName3
```

```
## [1] "Pelle & Sol 15L Picnic Bag, Insulated Lunch Bag | Cooler Bag Fits 24 Cans, Lunch Cool Bag | Lun
## [2] "Tommy Hilfiger TH CITY MINI REPORTER"
## [3] "WANDF Travel Duffle Bag 65L Shoes Compartment Foldable Overnight Weekender Bag Carry On Bag fo
## [4] "for Ryanair Airlines Cabin Bag 40X20X25cm Underseat Foldable Travel Duffel Bag Holdall Tote Ca
## [5] "FERRIS | 200pk Strong Large Blue Vest Carrier Bags with Handles | Multi-Purpose Heavy Duty Plac
## [6] "iSOUL 25 x Strong Large Grey Mailing Postal Postage Bags 17 x 24" Packaging Mailers [Use in P
## [7] "iSOUL 25 x Strong Large Grey Mailing Postal Postage Bags 17 x 24" Packaging Mailers [Use in P
## [8] "Flintronic Shoes Wash Bags, 2pcs Mesh Laundry Bags with Durable Zips, Premium Laundry Bag For S
## [9] "Flintronic Shoes Wash Bags, 2pcs Mesh Laundry Bags with Durable Zips, Premium Laundry Bag For S
## [10] "Stronghold 21\" Blue Disposable Piping Bags (100 Bags / 1 Roll) "
## [11] "Stronghold 21\" Blue Disposable Piping Bags (100 Bags / 1 Roll)"
## [12] "PUMA "
## [13] "PUMA"
## [14] "Vacuum Clothes Storage Bags with Zip and Pump, Large Storage Bags for Duvet, Pillows, Bedding,
## [15] "Vacuum Clothes Storage Bags with Zip and Pump, Large Storage Bags for Duvet, Pillows, Bedding,
## [16] "Kipling Gabbie Shoulder Bag Women's "
## [17] "Kipling Gabbie Shoulder Bag Women's"
## [18] "adidas Diablo Small Duffle Bag "
## [19] "adidas Diablo Small Duffle Bag"
## [20] "Disney Lilo & Stitch Drawstring Bag School PE Trainer Swim Bag "
## [21] "Disney Lilo & Stitch Drawstring Bag School PE Trainer Swim Bag"
## [22] "Ted Baker Aracon Plain Bow Small Icon Bag "
## [23] "Ted Baker Aracon Plain Bow Small Icon Bag"
## [24] "SPAHER Small Men Side Bag Shoulder Bag Outdoor Sports Hiking Waist Pack Crossbody Tactical MOL
## [25] "SPAHER Small Men Side Bag Shoulder Bag Outdoor Sports Hiking Waist Pack Crossbody Tactical MOL
```

```
#Price
```

```
BagPrice3 <- session3.1 %>%
  html_nodes(".s-widget-container > span .a-color-base div.a-row:nth-of-type(1), div:nth-of-type(n+57)
  html_text()
BagPrice3 <- BagPrice3[1:25]
BagPrice3
```

```
## [1] "£9.16£9.16"
## [2] "£43.20£43.20 RRP: £63.00£63.00"
## [3] "£19.16£19.16"
## [4] "£13.32£13.32 RRP: £18.42£18.42"
## [5] "£8.32£8.32 (£0.04£0.04/count)"
```

```
## [6] "£5.30£5.30 (£0.21£0.21/count)"
## [7] "£5.82£5.82"
## [8] "£9.32£9.32 (£0.09£0.09/count)"
## [9] "£14.19£14.19 RRP: £15.31£15.31"
## [10] "£9.99£9.99 (£1.67£1.67/count) RRP: £13.99£13.99"
## [11] "£53.95£53.95 RRP: £83.70£83.70"
## [12] "£21.55£21.55 Was: £23.97£23.97"
## [13] "£8.33£8.33"
## [14] "£25.02£25.02"
## [15] "£14.16£14.16"
## [16] "£8.32£8.32 (£1.66£1.66/count)"
## [17] "£6.66£6.66 (£1.11£1.11/count) Was: £8.32£8.32"
## [18] "£12.00£12.00 RRP: £22.00£22.00"
## [19] "£19.99£19.99"
## [20] "£13.49£13.49 RRP: £17.99£17.99"
## [21] ""
## [22] "£20.65£20.65"
## [23] "£11.62£11.62 RRP: £13.29£13.29"
## [24] "£23.50£23.50"
## [25] "£10.82£10.82"
```

#Ratings

```
BagRatings3 <- session3.1 %>%
  html_nodes (".s-widget-container > span span.a-icon-alt, div:nth-of-type(n+12) .rush-component span.a-i
  html_text()
BagRatings3 <- BagRatings3[1:25]
BagRatings3
```

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

#Number of Reviews

```
BagNoOfReviews3 <- session3.1 %>%
  html_nodes (".s-widget-container > span span.s-underline-text, div:nth-of-type(n+12) .rush-component sp
  html_text()
BagNoOfReviews3 <- BagNoOfReviews3[1:25]
BagNoOfReviews3
```

```
## [1] "296"      "2,793"    "523"      "155"      "224"      "3,464"    "3,664"    "742"
## [9] "3,112"    "1,572"    "2,515"    "10,720"   "67"       "6,935"    "385"      "849"
## [17] "159"      "898"      "347"      "1,144"    "676"      "179"      "789"      "878"
## [25] "1,815"
```

```
bag_data3 <- data.frame(
  Name = BagName3,
  Price = BagPrice3,
  Ratings = BagRatings3,
  No_of_Reviews = BagNoOfReviews3
)
```

```
##
BagLink4 <- "https://www.amazon.co.uk/s?k=bag&page=6&crd=3P005N0ZMKL8W&qid=1707960446&sprefix=ba%2Caps
session4.1 <- bow(BagLink4, user_agent = "Educational Purposes")
session4.1 <- scrape(session4.1)
```

```
#Name
BagName4 <-session4.1 %>%
  html_nodes(".s-featured-result-item span.a-size-base-plus, div:nth-of-type(n+3) span.a-size-base-plus, 
  html_text()
BagName4 <- BagName4[1:25]
BagName4
```

```
## [1] "Beco Strong & Large Poop Bags - 120 Loose packed with Tie Handles - Box Dispenser - Unscented I
## [2] "RADLEY London Regents Rose Responsible Foldaway Reusable Shopping Bag in Cream "
## [3] "RADLEY London Regents Rose Responsible Foldaway Reusable Shopping Bag in Cream"
## [4] "Pogi's Biodegradable Dog Poo Bags with Handles - 300 Dog Bags with Easy-Tie Handles - Ultra Th
## [5] "Pogi's Biodegradable Dog Poo Bags with Handles - 300 Dog Bags with Easy-Tie Handles - Ultra Th
## [6] "Eastpak Jr Messenger Bag, 33 cm, 11.5 L, Black (Black) "
## [7] "Eastpak Jr Messenger Bag, 33 cm, 11.5 L, Black (Black)"
## [8] "Travel Bag,36L Travel Bag Sport Duffel Bag,Overnight Bags for Women Carry on Bag Weekend Bag,W
## [9] "Travel Bag,36L Travel Bag Sport Duffel Bag,Overnight Bags for Women Carry on Bag Weekend Bag,W
## [10] "KALIDI Corduroy Totes Bag Thicken Tote Bag for Women with zipper Water Repellent Shoulder Handl
## [11] "KALIDI Corduroy Totes Bag Thicken Tote Bag for Women with zipper Water Repellent Shoulder Handl
## [12] "6 Pack 3D GN Vacuum Dust Bags Replacements Compatible with Miele Classic C1, Complete C1 C2, S
## [13] "6 Pack 3D GN Vacuum Dust Bags Replacements Compatible with Miele Classic C1, Complete C1 C2, S
## [14] "Kipling Women's Creativity Xb Crossbody Bags, One Size "
## [15] "Kipling Women's Creativity Xb Crossbody Bags, One Size"
## [16] "Stronghold 21\" Blue Disposable Piping Bags (100 Bags / 1 Roll) "
## [17] "Stronghold 21\" Blue Disposable Piping Bags (100 Bags / 1 Roll)"
## [18] "Zoggs Sling Bag, String Swim PE Bag, Sport Gym Sack Drawstring Rucksack, Backpack for Sports B
## [19] "Zoggs Sling Bag, String Swim PE Bag, Sport Gym Sack Drawstring Rucksack, Backpack for Sports B
## [20] "TidyZ 240 DOGGY BAGS WITH TIE HANDLES, POCKET PACK, FRAGRANCED, BLACK (12 rolls of 20 Bags) "
## [21] "TidyZ 240 DOGGY BAGS WITH TIE HANDLES, POCKET PACK, FRAGRANCED, BLACK (12 rolls of 20 Bags)"
## [22] "Adidas Unisex Duffel Tiro L Duff S, Tepore/Black/White, IB8661, Size NS, Tepor/Black/White, NS
## [23] "Adidas Unisex Duffel Tiro L Duff S, Tepore/Black/White, IB8661, Size NS, Tepor/Black/White, NS
## [24] "Dog Poo Bags Biodegradable Scented - 270 Ct, 18 Rolls Dog Bags Poop, USDA Cert 38% Biobased, T
## [25] "Dog Poo Bags Biodegradable Scented - 270 Ct, 18 Rolls Dog Bags Poop, USDA Cert 38% Biobased, T
```

```
#Price
BagPrice4 <- session4.1 %>%
  html_nodes(".s-featured-result-item .a-size-base div:nth-of-type(1), div:nth-of-type(n+4) .a-color-ba
  html_text()
BagPrice4 <- BagPrice4[1:25]
BagPrice4
```

```
## [1] "£13.29£13.29"
## [2] "£13.32£13.32 (£0.04£0.04/count)"
## [3] "£25.08£25.08 Was: £30.33£30.33"
## [4] "£11.66£11.66"
## [5] "£10.82£10.82"
## [6] "£12.49£12.49"
```



```
## [7] "£28.19£28.19 RRP: £39.60£39.60"
## [8] "£9.32£9.32 (£0.09£0.09/count)"
## [9] "£7.20£7.20"
## [10] "£4.12£4.12 (£0.02£0.02/count) RRP: £4.99£4.99"
## [11] "£23.44£23.44 RRP: £25.20£25.20"
## [12] "£8.32£8.32 (£0.03£0.03/count) Was: £8.74£8.74"
## [13] "£30.60£30.60 RRP: £61.20£61.20"
## [14] "£28.32£28.32"
## [15] ""
## [16] "£8.32£8.32 (£0.21£0.21/count)"
## [17] "£10.78£10.78"
## [18] "£9.16£9.16 (£0.03£0.03/count)"
## [19] "£27.00£27.00"
## [20] "£11.19£11.19 (£0.02£0.02/count) Was: £13.99£13.99"
## [21] "£15.99£15.99 (£0.05£0.05/count)"
## [22] "£18.32£18.32"
## [23] "£7.49£7.49 (£0.07£0.07/Count)"
## [24] "£27.96£27.96 RRP: £31.50£31.50"
## [25] "£4.99£4.99 RRP: £6.66£6.66"
```

#Ratings

```
BagRatings4 <- session4.1 %>%
  html_nodes (".aok-align-bottom span") %>%
  html_text()
BagRatings4 <- BagRatings4[1:25]
BagRatings4
```

```
## [1] "4.3 out of 5 stars" "4.7 out of 5 stars" "4.7 out of 5 stars"
## [4] "4.4 out of 5 stars" "4.1 out of 5 stars" "4.4 out of 5 stars"
## [7] "5.0 out of 5 stars" "4.6 out of 5 stars" "4.5 out of 5 stars"
## [10] "4.4 out of 5 stars" "3.8 out of 5 stars" "4.6 out of 5 stars"
## [13] "4.8 out of 5 stars" "4.6 out of 5 stars" "4.6 out of 5 stars"
## [16] "4.6 out of 5 stars" "4.5 out of 5 stars" "4.0 out of 5 stars"
## [19] "4.7 out of 5 stars" "4.5 out of 5 stars" "4.6 out of 5 stars"
## [22] "4.7 out of 5 stars" "4.6 out of 5 stars" "4.6 out of 5 stars"
## [25] "4.7 out of 5 stars"
```

#Number of Reviews

```
BagNoOFReviews4 <- session4.1 %>%
  html_nodes ("span.s-underline-text") %>%
  html_text()
BagNoOFReviews4 <- BagNoOFReviews4[1:25]
BagNoOFReviews4
```

```
## [1] "727"      "2,783"    "12,764"   "3,265"    "150"      "261"      "5"        "917"
## [9] "742"      "17"       "15"       "162"      "6,075"    "2,069"    "904"      "17,976"
## [17] "608"      "605"      "633"      "16,856"   "662"      "1,277"    "265"      "1,454"
## [25] "658"
```

```
bag_data4 <- data.frame(
  Name = BagName4,
  Price = BagPrice4,
  Ratings = BagRatings4,
  No_of_Reviews = BagNoOFReviews4
)
```


#2nd

```
firstbagLink <- "https://www.amazon.co.uk/TARION-Photography-Compartment-Professional-Waterproof/dp/B07W
```

```
session2 <- bow(firstbagLink, user_agent = "Educational Purposes")
session2 <- scrape(session2)
```

```
BagReviewer1 <- session2 %>%
  html_nodes (".a-row[data-hook] a span, .a-spacing-mini div.a-profile span")%>%
  html_text()
BagReviewer1 <- BagReviewer1[1:5]
BagReviewer1
```

```
## [1] "Peter Jones" "Tony H." "Helen M" "ANAND" "I. Norton"
```

```
BagDateReview1 <- session2 %>%
  html_nodes (".a-row .a-section span.a-size-base.a-color-secondary")%>%
  html_text()
BagDateReview1 <- BagDateReview1[1:5]
BagDateReview1
```

```
## [1] "Reviewed in the United Kingdom on 26 January 2022"
## [2] "Reviewed in the United Kingdom on 14 September 2023"
## [3] "Reviewed in the United Kingdom on 8 February 2024"
## [4] "Reviewed in the United Kingdom on 7 August 2023"
## [5] "Reviewed in the United Kingdom on 16 September 2023"
```

```
BagIndRate1 <- session2 %>%
  html_nodes (".a-size-base .review-rating span") %>%
  html_text()
BagIndRate1 <- BagIndRate1 [1:5]
BagIndRate1
```

```
## [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"
```

```
BagReviews1 <- session2 %>%
  html_nodes (".a-size-base.a-link-normal span:nth-of-type(2)") %>%
  html_text()
BagReviews1 <- BagReviews1 [1:5]
BagReviews1
```

```
## [1] "Good Quality. Value for Money."
## [2] "Very good value"
## [3] "Brilliant for carrying everything"
## [4] "Spacious backpack with some limitations"
## [5] "Does The Job."
```

```
first_bag <- data.frame(
  Reviewer = BagReviewer1,
  Date = BagDateReview1,
  Rating = BagIndRate1,
  Review = BagReviews1
)
```

#3rd

```

secondbagLink <- "https://www.amazon.co.uk/Weekend-Overnight-Holdalls-Waterproof-Weekender/dp/B07Y52NVGD"

session3 <- bow(secondbagLink, user_agent = "Educational Purposes")
session3 <- scrape(session3)

BagReviewer2 <- session3 %>%
  html_nodes (".a-section.celwidget a span.a-profile-name, div.a-profile span")%>%
  html_text()
BagReviewer2 <- BagReviewer2[1:10]
BagReviewer2

## [1] "Lacey"          "Dorota"          "Danielle"        "chelsye amoo"
## [5] "Amazon Customer" "England, UK"      "Amazon Customer" "Laura"
## [9] "Martha"         "Amazon Customer"

BagDateReview2 <- session3 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a-size-base.a-color-secondary")%>%
  html_text()
BagDateReview2 <- BagDateReview2[1:10]
BagDateReview2

## [1] "Reviewed in the United Kingdom on 7 February 2024"
## [2] "Reviewed in the United Kingdom on 20 December 2023"
## [3] "Reviewed in the United Kingdom on 17 March 2022"
## [4] "Reviewed in the United Kingdom on 12 January 2024"
## [5] "Reviewed in the United Kingdom on 7 December 2023"
## [6] "Reviewed in the United Kingdom on 12 January 2024"
## [7] "Reviewed in the United Kingdom on 19 October 2023"
## [8] "Reviewed in the United Kingdom on 24 November 2023"
## [9] "Reviewed in the United States on 30 October 2023"
## [10] "Reviewed in Canada on 11 March 2022"

BagIndRate2 <- session3 %>%
  html_nodes (".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none .a-star-5 span") %>%
  html_text()
BagIndRate2 <- BagIndRate2 [1:10]
BagIndRate2

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

BagReviews2 <- session3 %>%
  html_nodes (".a-size-base.a-link-normal span:nth-of-type(2), span.review-title span") %>%
  html_text()
BagReviews2 <- BagReviews2 [1:10]
BagReviews2

## [1] "Great travel bag"
## [2] "Nice"
## [3] "Great bag but strap is not great"
## [4] "Perfect!"
## [5] "Brilliant"
## [6] "Spacious"
## [7] "Love It"

```

```
## [8] "Great size, quality not long standing"
## [9] "Perfect as a carry on"
## [10] "Great!!!"
```

```
second_bag <- data.frame(
  Reviewer = BagReviewer2,
  Date = BagDateReview2,
  IndividualRating = BagIndRate2,
  Review = BagReviews2
)
```

#4th

```
thirdbagLink <- "https://www.amazon.co.uk/Levis-Crossbody-Solid-Batwing-Black/dp/B08BLSXB8P/ref=sr_1_33?"
```

```
session4 <- bow(thirdbagLink, user_agent = "Educational Purposes")
session4 <- scrape(session4)
```

```
BagReviewer3 <- session4 %>%
  html_nodes (".a-section.celwidget a span.a-profile-name, .a-row[data-hook] div .a-profile-content span")
  html_text()
BagReviewer3 <- BagReviewer3[1:10]
BagReviewer3
```

```
## [1] "Els" "liam" "Emma" "Yahie A Mohamed"
## [5] "patty boulaye" "Daniel Ocomen" "Gray" "Joe wyn Jones"
## [9] "Renzo Frachia" "Hornecker S."
```

```
BagDateReview3 <- session4 %>%
  html_nodes ("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a")
  html_text()
BagDateReview3 <- BagDateReview3[1:10]
BagDateReview3
```

```
## [1] "Reviewed in the United Kingdom on 24 December 2023"
## [2] "Reviewed in the United Kingdom on 16 May 2022"
## [3] "Reviewed in the United Kingdom on 5 November 2022"
## [4] "Reviewed in the United Kingdom on 19 January 2024"
## [5] "Reviewed in the United Kingdom on 19 January 2024"
## [6] "Reviewed in the United Kingdom on 30 October 2023"
## [7] "Reviewed in the United Kingdom on 31 October 2023"
## [8] "Reviewed in the United Kingdom on 22 October 2023"
## [9] "Reviewed in the United States on 5 May 2023"
## [10] "Reviewed in France on 4 January 2024"
```

```
BagIndRate3 <- session4 %>%
  html_nodes (".a-size-base span.a-icon-alt, #customer_review-R30VM1IUOD6L8A i.a-icon-star, .a-spacing-normal")
  html_text()
BagIndRate3 <- BagIndRate3 [1:10]
BagIndRate3
```

```
## [1] "4.5 out of 5 stars." "4.5 out of 5 stars." "4.5 out of 5 stars."
## [4] "5.0 out of 5 stars" "5.0 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] "5.0 out of 5 stars"
```

```

BagReviews3 <- session4 %>%
html_nodes (".a-size-base.a-link-normal span:nth-of-type(2), span.review-title span:nth-of-type(1)") %>%
html_text()
BagReviews3 <- BagReviews3 [1:10]
BagReviews3

```

```

## [1] "Good quality bag"
## [2] "Great bag!"
## [3] "Handy little bag"
## [4] "Okay"
## [5] "hanging around"
## [6] "Good"
## [7] "Dimensions are incorrect."
## [8] "Does just fine"
## [9] "Superb! Levi's Men's Shoulder Bag Crossbody"
## [10] "Élégant et Pratique"

```

```

third_bag <- data.frame(
  Reviewer = BagReviewer3,
  Date = BagDateReview3,
  Rating = BagIndRate3,
  Review = BagReviews3
)

```

#4th

```

fourthbagLink <- "https://www.amazon.co.uk/PUMA-Unisex-Adult-Buzz-Backpack/dp/B00XZU9TSG/ref=sr_1_37?cri

```

```

session5 <- bow(fourthbagLink, user_agent = "Educational Purposes")
session5 <- scrape(session5)

```

```

BagReviewer4 <- session5 %>%
html_nodes (".a-section.celwidget a span.a-profile-name, .a-spacing-mini div.a-profile span")%>%
html_text()
BagReviewer4 <- BagReviewer4[1:10]
BagReviewer4

```

```

## [1] "Aline" "Amazon Customer" "Lisa" "Oxygen"
## [5] "Mum of boys" "Mona McNamee" "Anna" "Susan Black"
## [9] "Kerri-Kay L." "Mario Uribe"

```

```

BagDateReview4 <- session5 %>%
html_nodes ("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a
html_text()
BagDateReview4 <- BagDateReview4[1:10]
BagDateReview4

```

```

## [1] "Reviewed in the United Kingdom on 29 January 2024"
## [2] "Reviewed in the United Kingdom on 26 June 2023"
## [3] "Reviewed in the United Kingdom on 15 June 2023"
## [4] "Reviewed in the United Kingdom on 18 September 2023"
## [5] "Reviewed in the United Kingdom on 22 May 2023"
## [6] "Reviewed in the United Kingdom on 30 July 2023"
## [7] "Reviewed in the United Kingdom on 6 December 2023"
## [8] "Reviewed in the United Kingdom on 7 February 2023"

```

```

## [9] "Reviewed in Canada on 23 February 2023"
## [10] "Reviewed in Mexico on 30 January 2023"

BagIndRate4 <- session5 %>%
  html_nodes (".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%
  html_text()
BagIndRate4 <- BagIndRate4 [1:10]
BagIndRate4

## [1] "4 out of 5 stars." "4 out of 5 stars." "5.0 out of 5 stars"
## [4] "5.0 out of 5 stars" "5.0 out of 5 stars" "4.0 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"

BagReviews4 <- session5 %>%
  html_nodes (".a-size-base.a-link-normal span:nth-of-type(2), span.review-title span:nth-of-type(1)") %>%
  html_text()
BagReviews4 <- BagReviews4 [1:10]
BagReviews4

## [1] "Big backpack" "Sturdy bag" "This bag is fantastic"
## [4] "Spacious backpack" "Great quality and size" "Really good quality"
## [7] "All Good " "Fits everything in" "Fulfilled Expectations"
## [10] "Muy buena calidad"

fourth_bag <- data.frame(
  Reviewer = BagReviewer4,
  Date = BagDateReview4,
  Rating = BagIndRate4,
  Review = BagReviews4
)

fifthbagLink <- "https://www.amazon.co.uk/dp/B09WCX38NB/ref=sspa_dk_detail_1?pd_rd_i=B09WCX38NB&pd_rd_w="

session6 <- bow(fifthbagLink, user_agent = "Educational Purposes")
session6 <- scrape(session6)

BagReviewer5 <- session6 %>%
  html_nodes (".a-section.celwidget a span.a-profile-name, div.a-profile span, #customer_review_foreign-R"
  html_text()
BagReviewer5 <- BagReviewer5 [1:10]
BagReviewer5

## [1] "James Willsher" "C Cater" "Laura Kirby" "Amazon Customer"
## [5] "Shellie.s" "TeeCeee" "ste" "Michael"
## [9] "Julio Reyes" "Osiris Buenfil"

BagDateReview5 <- session6 %>%
  html_nodes ("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a"
  html_text()
BagDateReview5 <- BagDateReview5 [1:10]
BagDateReview5

## [1] "Reviewed in the United Kingdom on 14 December 2023"
## [2] "Reviewed in the United Kingdom on 23 January 2024"
## [3] "Reviewed in the United Kingdom on 3 November 2023"
## [4] "Reviewed in the United Kingdom on 27 January 2024"

```

```

## [5] "Reviewed in the United Kingdom on 29 January 2024"
## [6] "Reviewed in the United Kingdom on 4 February 2024"
## [7] "Reviewed in the United Kingdom on 24 December 2023"
## [8] "Reviewed in the United Kingdom on 21 October 2023"
## [9] "Reviewed in Mexico on 11 December 2023"
## [10] "Reviewed in Mexico on 8 December 2023"

BagIndRate5 <- session6 %>%
  html_nodes (".a-size-base .review-rating span, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%
  html_text()
BagIndRate5 <- BagIndRate5 [1:10]
BagIndRate5

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

BagReviews5 <- session6 %>%
  html_nodes (".a-size-base.a-link-normal span:nth-of-type(2), .review-title span.cr-original-review-cont
  html_text()
BagReviews5 <- BagReviews5 [1:10]
BagReviews5

## [1] "Great gym bag"
## [2] "Good sized gym bag with lots of pockets"
## [3] "Good value and quality bag"
## [4] "Comfortable"
## [5] "Great kit bag"
## [6] "It's amazing"
## [7] "Nice bag"
## [8] "Good duffel bag, terrible stitching on the sides."
## [9] "Excelente calidad"
## [10] "Muy buena compra !"

fifth_bag <- data.frame(
  Reviewer = BagReviewer5,
  Date = BagDateReview5,
  Rating = BagIndRate5,
  Review = BagReviews5
)

sixbagLink <- "https://www.amazon.co.uk/Lenovo-GX40Q17229-Toploader-T210/dp/B075Y6Y9H5/ref=sr_1_37?crid=

session7 <- bow(sixbagLink, user_agent = "Educational Purposes")
session7 <- scrape(session7)

BagReviewer6 <- session7 %>%
  html_nodes (".a-section.celwidget a span.a-profile-name, .a-spacing-mini div.a-profile span")%>%
  html_text()
BagReviewer6 <- BagReviewer6 [1:10]
BagReviewer6

## [1] "Anth" "Abdul salam" "Sharon Taylor" "kev f"
## [5] "SportyBhoy" "Stu" "Amazon Customer" "Phil Walker"
## [9] "Amazon Customer" "Michael Schloss"

```

```

BagDateReview6 <- session7 %>%
html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a-size-base.a-color-secondary")
html_text()
BagDateReview6 <- BagDateReview6 [1:10]
BagDateReview6

## [1] "Reviewed in the United Kingdom on 2 January 2024"
## [2] "Reviewed in the United Kingdom on 23 January 2024"
## [3] "Reviewed in the United Kingdom on 28 September 2021"
## [4] "Reviewed in the United Kingdom on 30 December 2023"
## [5] "Reviewed in the United Kingdom on 6 December 2023"
## [6] "Reviewed in the United Kingdom on 3 January 2024"
## [7] "Reviewed in the United Kingdom on 4 February 2024"
## [8] "Reviewed in the United Kingdom on 11 August 2021"
## [9] "Reviewed in Canada on 29 December 2023"
## [10] "Reviewed in the United States on 1 November 2023"

BagIndRate6 <- session7 %>%
html_nodes("div.a-section:nth-of-type(n+4) .a-section .a-spacing-none span.a-icon-alt, .a-size-base span.a-icon-alt")
html_text()
BagIndRate6 <- BagIndRate6 [1:10]
BagIndRate6

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

BagReviews6 <- session7 %>%
html_nodes(".a-link-normal.review-title span:nth-of-type(2), span.review-title span:nth-of-type(1)") %>%
html_text()
BagReviews6 <- BagReviews6 [1:10]
BagReviews6

## [1] "Sturdy and looks good" "Very good carry case"
## [3] "Spacious, well padded." "Ideal"
## [5] "Good Quality for money" "Quality"
## [7] "Great" "A good value case"
## [9] "Great Purchase" "Great bag, serves its purpose!"

sixth_bag <- data.frame(
  Reviewer = BagReviewer6,
  Date = BagDateReview6,
  IndividualRating = BagIndRate6,
  Review = BagReviews6
)

sevenbagLink <- "https://www.amazon.co.uk/Kipling-Asseni-Womens-33x21x14-Centimeters/dp/B07TWSQRGK/ref=sr_1_1?pf_rd_p=80100000-0000-4000-9000-000000000000&pf_rd_r=00000000000000000000000000000000"

session8 <- bow(sevenbagLink, user_agent = "Educational Purposes")
session8 <- scrape(session8)

BagReviewer7 <- session8 %>%
html_nodes(".a-section.celwidget a span.a-profile-name, .a-spacing-mini div.a-profile span") %>%
html_text()
BagReviewer7 <- BagReviewer7 [1:10]

```



```
BagReviewer7
```

```
## [1] "J" "JAB" "HP1485"  
## [4] "A R MCQUAT" "cmst" "BurcuAll"  
## [7] "busheybabe" "Ms. J. H. Mundler" "Marta"  
## [10] "Francesca"
```

```
BagDateReview7 <- session8 %>%
```

```
html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a-  
html_text()
```

```
BagDateReview7 <- BagDateReview7 [1:10]
```

```
BagDateReview7
```

```
## [1] "Reviewed in the United Kingdom on 3 September 2023"  
## [2] "Reviewed in the United Kingdom on 26 January 2024"  
## [3] "Reviewed in the United Kingdom on 29 November 2023"  
## [4] "Reviewed in the United Kingdom on 8 December 2022"  
## [5] "Reviewed in the United Kingdom on 30 December 2023"  
## [6] "Reviewed in the United Kingdom on 20 January 2024"  
## [7] "Reviewed in the United Kingdom on 4 December 2023"  
## [8] "Reviewed in the United Kingdom on 12 August 2023"  
## [9] "Reviewed in Spain on 31 January 2024"  
## [10] "Reviewed in Italy on 2 January 2024"
```

```
BagIndRate7 <- session8 %>%
```

```
html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%  
html_text()
```

```
BagIndRate7 <- BagIndRate7 [1:10]
```

```
BagIndRate7
```

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

```
BagReviews7 <- session8 %>%
```

```
html_nodes(".a-size-base.a-link-normal span:nth-of-type(2), .review-title span.cr-original-review-cont  
html_text()
```

```
BagReviews7 <- BagReviews7 [1:10]
```

```
BagReviews7
```

```
## [1] "A great quality bag"  
## [2] "Great Bag"  
## [3] "Missing the key fob"  
## [4] "The only bags you'll ever have to buy"  
## [5] "value for money"  
## [6] "Love it"  
## [7] "KIPLING BAG AMAZINGLY SPACIOUS WHEN IN USE"  
## [8] "Lovely bag but a bit small"  
## [9] "Muy cómodo pequeño, pero cabe mucho"  
## [10] "Comoda leggera piccola na capiente"
```

```
seventh_bag <- data.frame(  
  Reviewer = BagReviewer7,  
  Date = BagDateReview7,  
  IndividualRating = BagIndRate7,  
  )
```

```

Review = BagReviews7
)

eightbagLink <-"https://www.amazon.co.uk/LEVIS-FOOTWEAR-ACCESSORIES-Batwing-30x14x39/dp/B077GVXZV4/ref=

session9 <- bow(eightbagLink, user_agent = "Educational Purposes")
session9 <- scrape(session9)

BagReviewer8 <- session9 %>%
  html_nodes (".a-row[data-hook] a span, div.a-section:nth-of-type(n+2) .a-row[data-hook] div .a-profile-
  html_text()
BagReviewer8 <- BagReviewer8 [1:10]
BagReviewer8

## [1] "Els" "Jerome Obode" "ANNA01" "Isa"
## [5] "Sapna Chowdhury" "Maxine Natasha" "S.C" "Evita"
## [9] "Martens" "Dunja M."

BagDateReview8 <- session9 %>%
  html_nodes ("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a
  html_text()
BagDateReview8 <- BagDateReview8 [1:10]
BagDateReview8

## [1] "Reviewed in the United Kingdom on 24 December 2023"
## [2] "Reviewed in the United Kingdom on 28 December 2022"
## [3] "Reviewed in the United Kingdom on 4 January 2023"
## [4] "Reviewed in the United Kingdom on 8 August 2023"
## [5] "Reviewed in the United Kingdom on 7 October 2022"
## [6] "Reviewed in the United Kingdom on 24 July 2021"
## [7] "Reviewed in the United Kingdom on 11 October 2020"
## [8] "Reviewed in the United Kingdom on 17 December 2022"
## [9] "Reviewed in the United States on 14 August 2023"
## [10] "Reviewed in Belgium on 8 February 2024"

BagIndRate8 <- session9 %>%
  html_nodes (".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%
  html_text()
BagIndRate8 <- BagIndRate8 [1:10]
BagIndRate8

## [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] "4.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "1.0 out of 5 stars"

BagReviews8 <- session9 %>%
  html_nodes (".a-size-base.a-link-normal span:nth-of-type(2), span.review-title span:nth-of-type(1)") %>%
  html_text()
BagReviews8 <- BagReviews8 [1:10]
BagReviews8

## [1] "Good quality" "Great bag."
## [3] "Good size and excellent quality." "I love it"
## [5] "I love it !!" "Love, love, love this bag!"
## [7] "quality common" "Love it"

```

```

## [9] "Gorgeous"                                "Mauvaise description"

eighth_bag <- data.frame(
  Reviewer = BagReviewer8,
  Date = BagDateReview8,
  IndividualRating = BagIndRate8,
  Review = BagReviews8
)

ninebagLink <- "https://www.amazon.co.uk/Kipling-Gabbie-Womens-Cross-Body-Active/dp/B07DKHD5P2/ref=sr_1_1"

session10 <- bow(ninebagLink, user_agent = "Educational Purposes")
session10 <- scrape(session10)

BagReviewer9 <- session10 %>%
  html_nodes("#customer_review-R123M4HT008U05 span.a-profile-name, div.review:nth-of-type(n+2) a div.a-p")
  html_text()
BagReviewer9 <- BagReviewer9 [1:10]
BagReviewer9

## [1] "Helen"
## [2] "Feefster "
## [3] "Gillbert"
## [4] "Mrs Helene A Chernack"
## [5] "carol Staffordshire "
## [6] "J"
## [7] "John W."
## [8] "HappyShopper"
## [9] "Belinda"
## [10] "No era como luce en la foto la tela muy mala calidad"

BagDateReview9 <- session10 %>%
  html_nodes("#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a")
  html_text()
BagDateReview9 <- BagDateReview9 [1:10]
BagDateReview9

## [1] "Reviewed in the United Kingdom on 30 November 2023"
## [2] "Reviewed in the United Kingdom on 16 October 2023"
## [3] "Reviewed in the United Kingdom on 1 December 2023"
## [4] "Reviewed in the United Kingdom on 7 December 2023"
## [5] "Reviewed in the United Kingdom on 15 January 2024"
## [6] "Reviewed in the United Kingdom on 11 May 2023"
## [7] "Reviewed in the United Kingdom on 28 January 2024"
## [8] "Reviewed in the United Kingdom on 4 May 2023"
## [9] "Reviewed in Mexico on 29 November 2023"
## [10] "Reviewed in the United States on 31 October 2023"

BagIndRate9 <- session10 %>%
  html_nodes(".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%
  html_text()
BagIndRate9 <- BagIndRate9 [1:10]
BagIndRate9

## [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" "4.0 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"
```

```
BagReviews9 <- session10 %>%
html_nodes (".a-size-base.a-link-normal span:nth-of-type(2), span.review-title span:nth-of-type(1)") %>%
html_text()
BagReviews9 <- BagReviews9 [1:10]
BagReviews9
```

```
## [1] "Perfect" "Just right!"
## [3] "Smart and roomy" "Wonderful Bag"
## [5] "Tasteful bag" "Great bag for everyday."
## [7] "Great bag" "Gabbie Crossbody Handbag"
## [9] "Bandolera kipling Gabbie" "Me gusto"
```

```
ninth_bag <- data.frame(
  Reviewer = BagReviewer9,
  Date = BagDateReview9,
  IndividualRating = BagIndRate9,
  Review = BagReviews9
)
```

```
tenbagLink <- "https://www.amazon.co.uk/Michael-Kors-Crossbody-Signature-49S2CRHS1B/dp/B0B9CC5D5Q/ref=sr
```

```
session11 <- bow(tenbagLink, user_agent = "Educational Purposes")
session11 <- scrape(session11)
```

```
BagReviewer10 <- session11 %>%
html_nodes (".a-row[data-hook] a span, div.a-profile span") %>%
html_text()
BagReviewer10 <- BagReviewer10 [1:10]
BagReviewer10
```

```
## [1] "Angie" "Anonymous " "Cherrie " "KERRY"
## [5] "Kitty" "Edward Psujek" "Fatheha Khatun" "annalisa"
## [9] "Amazon Customer" "Lady Maxwell"
```

```
BagDateReview10 <- session11 %>%
html_nodes (".#cm-cr-dp-review-list span.a-size-base.a-color-secondary, .cr-desktop-review-page-0 span.a")
html_text()
BagDateReview10 <- BagDateReview10 [1:10]
BagDateReview10
```

```
## [1] "Reviewed in the United Kingdom on 8 January 2024"
## [2] "Reviewed in the United Kingdom on 27 September 2023"
## [3] "Reviewed in the United Kingdom on 7 December 2023"
## [4] "Reviewed in the United Kingdom on 29 July 2023"
## [5] "Reviewed in the United Kingdom on 10 December 2021"
## [6] "Reviewed in the United Kingdom on 23 October 2023"
## [7] "Reviewed in the United Kingdom on 24 October 2022"
## [8] "Reviewed in the United Kingdom on 12 April 2023"
## [9] "Reviewed in the United States on 30 January 2024"
## [10] "Reviewed in Canada on 18 January 2024"
```

```
BagIndRate10 <- session11 %>%
html_nodes (".a-size-base span.a-icon-alt, .a-spacing-none .a-spacing-none span.a-icon-alt") %>%
html_text()
```

```

BagIndRate10 <- BagIndRate10 [1:10]
BagIndRate10

## [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" "4.0 out of 5 stars" "5.0 out of 5 stars"
## [7] "1.0 out of 5 stars" "5.0 out of 5 stars" "5.0 out of 5 stars"
## [10] "5.0 out of 5 stars"

BagReviews10 <- session11 %>%
  html_nodes (".a-size-base.a-link-normal span:nth-of-type(2), span.review-title span:nth-of-type(1)") %>%
  html_text()
BagReviews10 <- BagReviews10 [1:10]
BagReviews10

## [1] "Great bag" "M K bag"
## [3] "Michael Kors body cross bag" "Beautiful bag"
## [5] "Fabulous" "Perfect bag"
## [7] "Unsure of authenticity" "Love this bag"
## [9] "Great Buy! Great Price!" "Love it"

tenth_bag <- data.frame(
  Reviewer = BagReviewer10,
  Date = BagDateReview10,
  IndividualRating = BagIndRate10,
  Review = BagReviews10
)

```