CS 102 IT2C Fermano

Fermano, Aaron John

2024-02-08

```
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
##
       intersect, setdiff, setequal, union
library(rvest)
library(polite)
library(httr)
library(selectr)
library(xml2)
url <- "https://www.amazon.co.uk/s?k=watches&crid=10YCJDGWCRU&sprefix=watches+f%2Caps%2C280&ref=nb_sb_n
producdf <- data.frame()</pre>
session <- bow(url,</pre>
               user_agent = "For Educational Purposes")
 scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
}
product_name <- scrapeNodes("span.a-size-base-plus.a-color-base.a-text-normal")</pre>
product_name <- product_name[1:41]</pre>
product_price <- scrapeNodes("span.a-price")</pre>
product_price <- product_price[1:41]</pre>
product_ratings <- scrapeNodes("i.a-icon.a-icon-star-small.a-star-small-4-5.aok-align-bottom")</pre>
product_ratings <- product_ratings[1:41]</pre>
total_review <- scrapeNodes("span.a-size-base.s-underline-text")</pre>
total_review <- total_review[1:41]</pre>
```

```
product <- rbind(producdf, data.frame(Name = product_name,</pre>
                        Price = product_price,
                       Ratings = product_ratings,
                       TotalReview = total review))
url2<-"https://www.amazon.co.uk/s?k=watches&page=2&crid=1YWOYCJDGWCRU&qid=1707355577&sprefix=watches+f%
producdf2 <- data.frame()</pre>
session2 <- bow(url2,</pre>
               user_agent = "For Educational Purposes")
 scrapeNodes2 <- function(selector){</pre>
    scrape(session2) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
}
product_name2 <- scrapeNodes2("span.a-size-base-plus.a-color-base.a-text-normal")</pre>
product_name2 <- product_name2[1:33]</pre>
product_price2 <- scrapeNodes2("span.a-price")</pre>
product_price2 <- product_price2[1:33]</pre>
product_ratings2 <- scrapeNodes2("i.a-icon.a-icon-star-small.a-star-small-4-5.aok-align-bottom")</pre>
product_ratings2 <- product_ratings2[1:33]</pre>
total_review2 <- scrapeNodes2("span.a-size-base.s-underline-text")</pre>
total_review2 <- total_review2[1:33]</pre>
product2 <- rbind(producdf2, data.frame(Name = product_name2,</pre>
                       Price = product_price2,
                       Ratings = product_ratings2,
                       TotalReview = total_review2))
url3 <- "https://www.amazon.co.uk/s?k=watches&page=3&crid=1YWOYCJDGWCRU&qid=1707458979&sprefix=watches+
productdf3 <- data.frame()</pre>
session3 <- bow(url3,
               user_agent = "For Educational Purposes")
 scrapeNodes3 <- function(selector){</pre>
    scrape(session3) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
}
product_name3 <- scrapeNodes3("span.a-size-base-plus.a-color-base.a-text-normal")</pre>
product_name3 <- product_name3[1:35]</pre>
```

```
product_price3 <- scrapeNodes3("span.a-price")</pre>
product_price3 <- product_price3[1:35]</pre>
product_ratings3 <- scrapeNodes3("i.a-icon.a-icon-star-small.a-star-small-4-5.aok-align-bottom")</pre>
product_ratings3 <- product_ratings3[1:35]</pre>
total_review3 <- scrapeNodes3("span.a-size-base.s-underline-text")</pre>
total review3 <- total review3[1:35]</pre>
product3 <- rbind(productdf3, data.frame(Name = product_name3,</pre>
                        Price = product_price3,
                        Ratings = product_ratings3,
                        TotalReview = total_review3))
url4 <- "https://www.amazon.co.uk/s?k=headphones&crid=30YCJDGWCRU&sprefix=headp%2Caps%2C430&ref=nb_sb_s
productdf4 <- data.frame()</pre>
session4 <- bow(url4,
               user_agent = "For Educational Purposes")
 scrapeNodes4 <- function(selector){</pre>
    scrape(session4) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
}
product_name4 <- scrapeNodes4("span.a-size-base-plus.a-color-base.a-text-normal")</pre>
product_name4 <- product_name4[1:42]</pre>
product_price4 <- scrapeNodes4("span.a-price")</pre>
product_price4 <- product_price4[1:42]</pre>
product_ratings4 <- scrapeNodes4("i.a-icon.a-icon-star-small.a-star-small-4-5.aok-align-bottom")</pre>
product_ratings4 <- product_ratings4[1:42]</pre>
total_review4 <- scrapeNodes4("span.a-size-base.s-underline-text")</pre>
total_review4 <- total_review4[1:42]</pre>
product4 <- rbind(productdf4, data.frame(Name = product_name4,</pre>
                        Price = product_price4,
                        Ratings = product_ratings4,
                        TotalReview = total_review4))
url5 <- "https://www.amazon.co.uk/s?k=headphones&page=2&crid=30YCJDGWCRU&qid=1707469052&sprefix=headp%2
productdf5 <- data.frame()</pre>
session5 <- bow(url5,</pre>
               user_agent = "For Educational Purposes")
 scrapeNodes5 <- function(selector){</pre>
```

```
scrape(session5) %>%
      html nodes(selector) %>%
      html_text(trim = TRUE)
product_name5 <- scrapeNodes5("span.a-size-base-plus.a-color-base.a-text-normal")</pre>
product_name5 <- product_name5[1:42]</pre>
product_price5 <- scrapeNodes5("span.a-price")</pre>
product_price5 <- product_price5[1:42]</pre>
product_ratings5 <- scrapeNodes5("i.a-icon.a-icon-star-small.a-star-small-4-5.aok-align-bottom")</pre>
product_ratings5 <- product_ratings5[1:42]</pre>
total_review5 <- scrapeNodes5("span.a-size-base.s-underline-text")</pre>
total_review5 <- total_review5[1:42]</pre>
product5 <- rbind(productdf5, data.frame(Name = product_name5,</pre>
                       Price = product_price5,
                       Ratings = product_ratings5,
                       TotalReview = total_review5))
url6 <- "https://www.amazon.co.uk/s?k=headphones&page=3&crid=30YCJDGWCRU&qid=1707471189&sprefix=headp%2
productdf6 <- data.frame()</pre>
session6 <- bow(url6,
               user_agent = "For Educational Purposes")
 scrapeNodes6 <- function(selector){</pre>
    scrape(session6) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
}
product_name6 <- scrapeNodes6("span.a-size-base-plus.a-color-base.a-text-normal")</pre>
product_name6 <- product_name6[1:9]</pre>
product_price6 <- scrapeNodes6("span.a-price")</pre>
product_price6 <- product_price6[1:9]</pre>
product_ratings6 <- scrapeNodes6("i.a-icon.a-icon-star-small.a-star-small-4.aok-align-bottom")</pre>
product_ratings6 <- product_ratings6[1:9]</pre>
total_review6 <- scrapeNodes6("span.a-size-base.s-underline-text")</pre>
total_review6 <- total_review6[1:9]</pre>
product6 <- rbind(productdf6, data.frame(Name = product_name6,</pre>
                       Price = product price6,
                       Ratings = product_ratings6,
                       TotalReview = total_review6))
```

```
url7 <- "https://www.amazon.co.uk/s?k=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707955263&sprefix=headphones&page=4&crid=1LIZSZKU5D11R&qid=1707958&qid=1707958&qid=1707958&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid=1707968&qid
productdf7 <- data.frame()</pre>
session7 <- bow(url7,</pre>
                                   user_agent = "For Educational Purposes")
  scrapeNodes7 <- function(selector){</pre>
          scrape(session7) %>%
              html_nodes(selector) %>%
               html_text(trim = TRUE)
}
product_name7 <- scrapeNodes7("span.a-size-base-plus.a-color-base.a-text-normal")</pre>
product_name7 <- product_name7[1:12]</pre>
product_price7 <- scrapeNodes7("span.a-price")</pre>
product_price7 <- product_price7[1:12]</pre>
product_ratings7 <- scrapeNodes7("i.a-icon.a-icon-star-small.a-star-small-4.aok-align-bottom")</pre>
product_ratings7 <- product_ratings7[1:12]</pre>
total_review7 <- scrapeNodes7("span.a-size-base.s-underline-text")</pre>
total_review7 <- total_review7[1:12]</pre>
product7 <- rbind(productdf7, data.frame(Name = product_name7,</pre>
                                                       Price = product_price7,
                                                        Ratings = product_ratings7,
                                                       TotalReview = total_review7))
firstprdf <- rbind(product, product2, product3)</pre>
secondprdf <- rbind(product4,product5,product6,product7)</pre>
url01 <- "https://www.imdb.com/title/tt0111161/reviews?ref =tt urv"</pre>
   session <- bow(url01,
                                     user_agent = "For Educational Purpose")
     scrapeNodes <- function(selector){</pre>
          scrape(session) %>%
               html_nodes(selector) %>%
               html_text(trim = TRUE)
     }
     movie_category <- rep("Movie", 10)</pre>
     movie_name <- scrapeNodes("a.subnav_heading")</pre>
     movie_name <- rep(movie_name, 10)</pre>
     movie_name <- movie_name[1:10]</pre>
```

```
movie_reviewer <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer <-movie_reviewer[1:10]</pre>
  movie_review <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review <- movie_review[1:10]</pre>
  movie_date <- scrapeNodes("span.review-date")</pre>
  movie date <- movie date[1:10]</pre>
  movie_rating <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating <- movie_rating[1:10]</pre>
  moviereviews1= data.frame()
  moviereviews1 <- rbind(moviereviews1, data.frame(</pre>
                            category = movie_category,
                             name = movie_name,
                            reviewer = movie_reviewer,
                            reviews = movie_review,
                             "date of review" = movie_date,
                             rating = movie_rating))
Sys.sleep(5)
url02 <- "https://www.imdb.com/title/tt0068646/reviews?ref_=tt_urv"</pre>
 session <- bow(url02,
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  movie_category <- rep("Movie", 10)</pre>
  movie_name2 <- scrapeNodes("a.subnav_heading")</pre>
  movie_name2 <- rep(movie_name2, 10)</pre>
  movie_name2 <- movie_name2[1:10]</pre>
  movie_reviewer2 <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer2 <-movie_reviewer2[1:10]</pre>
  movie_review2 <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review2 <- movie_review2[1:10]</pre>
  movie_date2 <- scrapeNodes("span.review-date")</pre>
  movie_date2 <- movie_date2[1:10]</pre>
  movie_rating2 <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating2 <- movie_rating2[1:10]</pre>
  moviereviews2= data.frame()
```

```
moviereviews2 <- rbind(moviereviews2, data.frame(</pre>
                            category = movie_category,
                            name = movie name2,
                            reviewer = movie reviewer2,
                            reviews = movie_review2,
                            "date of review" = movie_date2,
                            rating = movie_rating2))
Sys.sleep(5)
url03 <- "https://www.imdb.com/title/tt0468569/reviews?ref =tt urv"
 session <- bow(url03,</pre>
                user_agent = "For Educational Purpose")
    scrapeNodes <- function(selector){</pre>
      scrape(session) %>%
        html_nodes(selector) %>%
        html_text(trim = TRUE)
    }
  movie_category <- rep("Movie", 10)</pre>
  movie_name3 <- scrapeNodes("a.subnav_heading")</pre>
  movie name3 <- rep(movie name3, 10)
  movie_name3 <- movie_name3[1:10]</pre>
  movie_reviewer3 <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer3 <-movie_reviewer3[1:10]</pre>
  movie_review3 <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review3 <- movie_review3[1:10]</pre>
  movie_date3 <- scrapeNodes("span.review-date")</pre>
  movie_date3 <- movie_date3[1:10]</pre>
  movie_rating3 <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating3 <- movie_rating3[1:10]</pre>
  moviereviews3= data.frame()
  moviereviews3 <- rbind(moviereviews3, data.frame(</pre>
                            category = movie_category,
                            name = movie_name3,
                            reviewer = movie_reviewer3,
                            reviews = movie_review3,
                            "date of review" = movie_date3,
                            rating = movie_rating3))
Sys.sleep(5)
url04 <- "https://www.imdb.com/title/tt0071562/reviews?ref_=tt_urv"</pre>
```

```
session <- bow(url04,
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  movie_category <- rep("Movie", 10)</pre>
  movie_name4 <- scrapeNodes("a.subnav_heading")</pre>
  movie_name4 <- rep(movie_name4, 10)</pre>
  movie_name4 <- movie_name4[1:10]</pre>
  movie_reviewer4 <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer4 <-movie_reviewer4[1:10]</pre>
  movie_review4 <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review4 <- movie_review4[1:10]</pre>
  movie_date4 <- scrapeNodes("span.review-date")</pre>
  movie_date4 <- movie_date4[1:10]</pre>
  movie rating4 <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating4 <- movie_rating4[1:10]</pre>
  moviereviews4= data.frame()
  moviereviews4 <- rbind(moviereviews4, data.frame(</pre>
                            category = movie_category,
                            name = movie_name4,
                            reviewer = movie_reviewer4,
                            reviews = movie_review4,
                            "date of review" = movie_date4,
                            rating = movie_rating4))
Sys.sleep(5)
url05 <- "https://www.imdb.com/title/tt0050083/reviews?ref_=tt_urv"</pre>
 session <- bow(url05,
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  movie_category <- rep("Movie", 10)</pre>
  movie_name5 <- scrapeNodes("a.subnav_heading")</pre>
  movie_name5 <- rep(movie_name5, 10)</pre>
```

```
movie_name5 <- movie_name5[1:10]</pre>
  movie_reviewer5 <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer5 <-movie_reviewer5[1:10]</pre>
  movie_review5 <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review5 <- movie_review5[1:10]</pre>
  movie date5 <- scrapeNodes("span.review-date")</pre>
  movie_date5 <- movie_date5[1:10]</pre>
  movie_rating5 <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating5 <- movie_rating5[1:10]</pre>
  moviereviews5= data.frame()
  moviereviews5 <- rbind(moviereviews5, data.frame(</pre>
                             category = movie_category,
                            name = movie_name5,
                            reviewer = movie_reviewer5,
                             reviews = movie_review5,
                             "date of review" = movie_date5,
                            rating = movie_rating5))
Sys.sleep(5)
url06 <- "https://www.imdb.com/title/tt0108052/reviews?ref_=tt_urv"</pre>
 session <- bow(url06,
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  movie_category <- rep("Movie", 10)</pre>
  movie_name <- scrapeNodes("a.subnav_heading")</pre>
  movie_name <- rep(movie_name, 10)</pre>
  movie_name <- movie_name[1:10]</pre>
  movie_reviewer <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer <-movie_reviewer[1:10]</pre>
  movie_review <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review <- movie_review[1:10]</pre>
  movie_date <- scrapeNodes("span.review-date")</pre>
  movie_date <- movie_date[1:10]</pre>
  movie_rating <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating <- movie_rating[1:10]</pre>
```

```
moviereviews6= data.frame()
  moviereviews6 <- rbind(moviereviews6, data.frame(</pre>
                            category = movie category,
                            name = movie_name,
                            reviewer = movie_reviewer,
                            reviews = movie_review,
                            "date of review" = movie date,
                            rating = movie_rating))
Sys.sleep(5)
url07 <- "https://www.imdb.com/title/tt0167260/reviews?ref_=tt_urv"</pre>
 session <- bow(url07,
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  movie_category <- rep("Movie", 10)</pre>
  movie_name <- scrapeNodes("a.subnav_heading")</pre>
  movie_name <- rep(movie_name, 10)</pre>
  movie_name <- movie_name[1:10]</pre>
  movie_reviewer <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer <-movie_reviewer[1:10]</pre>
  movie_review <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review <- movie_review[1:10]</pre>
  movie_date <- scrapeNodes("span.review-date")</pre>
  movie_date <- movie_date[1:10]</pre>
  movie rating <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating <- movie_rating[1:10]</pre>
  moviereviews7= data.frame()
  moviereviews7 <- rbind(moviereviews7, data.frame(</pre>
                            category = movie_category,
                            name = movie_name,
                            reviewer = movie_reviewer,
                            reviews = movie_review,
                            "date of review" = movie_date,
                            rating = movie_rating))
Sys.sleep(5)
```

```
url08 <- "https://www.imdb.com/title/tt0110912/reviews?ref_=tt_urv"</pre>
 session <- bow(url08,
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html nodes(selector) %>%
      html_text(trim = TRUE)
  }
  movie_category <- rep("Movie", 10)</pre>
  movie_name <- scrapeNodes("a.subnav_heading")</pre>
  movie_name <- rep(movie_name, 10)</pre>
  movie_name <- movie_name[1:10]</pre>
  movie_reviewer <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer <-movie_reviewer[1:10]</pre>
  movie_review <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review <- movie_review[1:10]</pre>
  movie_date <- scrapeNodes("span.review-date")</pre>
  movie_date <- movie_date[1:10]</pre>
  movie_rating <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating <- movie_rating[1:10]</pre>
  moviereviews8= data.frame()
  moviereviews8 <- rbind(moviereviews8, data.frame(</pre>
                            category = movie_category,
                            name = movie_name,
                            reviewer = movie_reviewer,
                            reviews = movie_review,
                            "date of review" = movie_date,
                            rating = movie_rating))
Sys.sleep(5)
url09 <- "https://www.imdb.com/title/tt0120737/reviews?ref_=tt_urv"
 session <- bow(url09,
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
```

```
movie_category <- rep("Movie", 10)</pre>
  movie_name <- scrapeNodes("a.subnav_heading")</pre>
  movie_name <- rep(movie_name, 10)</pre>
  movie_name <- movie_name[1:10]</pre>
  movie_reviewer <- scrapeNodes("span.display-name-link")</pre>
  movie reviewer <-movie reviewer[1:10]</pre>
  movie_review <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review <- movie_review[1:10]</pre>
  movie date <- scrapeNodes("span.review-date")</pre>
  movie_date <- movie_date[1:10]</pre>
  movie_rating <- scrapeNodes("span.rating-other-user-rating")</pre>
  movie_rating <- movie_rating[1:10]</pre>
  moviereviews9 = data.frame()
  moviereviews9 <- rbind(moviereviews9, data.frame(</pre>
                             category = movie_category,
                             name = movie_name,
                             reviewer = movie_reviewer,
                             reviews = movie review,
                             "date of review" = movie_date,
                             rating = movie_rating))
Sys.sleep(5)
url10 <- "https://www.imdb.com/title/tt0060196/reviews?ref_=tt_urv"
 session <- bow(url10,</pre>
                user_agent = "For Educational Purpose")
  scrapeNodes <- function(selector){</pre>
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  movie_category <- rep("Movie", 10)</pre>
  movie_name <- scrapeNodes("a.subnav_heading")</pre>
  movie_name <- rep(movie_name, 10)</pre>
  movie_name <- movie_name[1:10]</pre>
  movie_reviewer <- scrapeNodes("span.display-name-link")</pre>
  movie_reviewer <-movie_reviewer[1:10]</pre>
  movie_review <- scrapeNodes("div.text.show-more__control")</pre>
  movie_review <- movie_review[1:10]</pre>
  movie_date <- scrapeNodes("span.review-date")</pre>
```