title: "RWorksheet\_#5a" author: "Espadon, Gerona, Bernasol" date: "2024-12-06" output: pdf\_document

#### Load necessary libraries

```
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
library(polite)
library(stringr)
library(ggplot2)
```

#### Define target URL

```
url <- 'https://www.imdb.com/chart/toptv/'</pre>
# Create a polite session
session <- bow(url, user_agent = "Educational")</pre>
## <polite session> https://www.imdb.com/chart/toptv/
       User-agent: Educational
       robots.txt: 35 rules are defined for 3 bots
##
##
      Crawl delay: 5 sec
     The path is scrapable for this user-agent
#Extracting the ranks and titles
title_list <- read_html(url) %>%
html_nodes('.ipc-title__text') %>%
html_text()
title_list
  [1] "IMDb Charts"
##
## [2] "Top 250 TV Shows"
## [3] "1. Breaking Bad"
   [4] "2. Planet Earth II"
## [5] "3. Planet Earth"
## [6] "4. Band of Brothers"
## [7] "5. Chernobyl"
```

```
## [8] "6. The Wire"
## [9] "7. Avatar: The Last Airbender"
## [10] "8. Blue Planet II"
## [11] "9. The Sopranos"
## [12] "10. Cosmos: A Spacetime Odyssey"
## [13] "11. Cosmos"
## [14] "12. Our Planet"
## [15] "13. Game of Thrones"
## [16] "14. Bluey"
## [17] "15. The World at War"
## [18] "16. Fullmetal Alchemist: Brotherhood"
## [19] "17. Rick and Morty"
## [20] "18. Life"
## [21] "19. The Last Dance"
## [22] "20. The Twilight Zone"
## [23] "21. The Vietnam War"
## [24] "22. Sherlock"
## [25] "23. Attack on Titan"
## [26] "24. Batman: The Animated Series"
## [27] "25. Arcane"
## [28] "Recently viewed"
#Cleaning extracted text
title_list_sub <- as.data.frame(title_list[3:27], stringsAsFactors = FALSE)</pre>
colnames(title_list_sub) <- "ranks"</pre>
split df <- strsplit(as.character(title list sub$ranks), "\\.", fixed = FALSE)</pre>
split_df <- data.frame(do.call(rbind, split_df), stringsAsFactors = FALSE)</pre>
colnames(split_df) <- c("rank", "title")</pre>
split df <- split df %>%
select(rank, title)
split_df$title <- trimws(split_df$title)</pre>
rank_title <- split_df</pre>
rank_title
##
                                        title
      rank
## 1
         1
                                 Breaking Bad
## 2
         2
                             Planet Earth II
## 3
         3
                                Planet Earth
## 4
         4
                            Band of Brothers
## 5
         5
                                    Chernobyl
## 6
         6
                                     The Wire
## 7
         7
                 Avatar: The Last Airbender
## 8
         8
                              Blue Planet II
## 9
         9
                                The Sopranos
## 10
        10
                 Cosmos: A Spacetime Odyssey
## 11
                                       Cosmos
        11
## 12
        12
                                   Our Planet
## 13
        13
                             Game of Thrones
## 14
        14
                                        Bluev
## 15
        15
                            The World at War
```

```
## 16
        16 Fullmetal Alchemist: Brotherhood
## 17
        17
                              Rick and Morty
## 18
        18
                                        Life
## 19
        19
                              The Last Dance
## 20
        20
                           The Twilight Zone
## 21
                             The Vietnam War
        21
## 22
                                    Sherlock
        22
## 23
                             Attack on Titan
        23
## 24
        24
                Batman: The Animated Series
## 25
        25
                                      Arcane
```

#### **Scrape Ratings**

#Extracting tv rating, the number of people who voted, the number of episodes, and the year it was released.

```
rating_ls <- read_html(url) %>%
html_nodes('.ipc-rating-star--rating') %>%
html_text()

rating_ls

## [1] "9.5" "9.5" "9.4" "9.4" "9.3" "9.3" "9.3" "9.3" "9.2" "9.2" "9.3" "9.2"
## [13] "9.2" "9.3" "9.2" "9.1" "9.1" "9.1" "9.0" "9.0" "9.1" "9.1" "9.0"
```

#### **Scrape Vote Counts**

## [20] 156 10 15 98

## [25] "9.0"

```
voter_ls <- read_html(url) %>%
html_nodes('.ipc-rating-star--voteCount') %>%
html_text()
clean_votes <- gsub('[()]', '', voter_ls)</pre>
# Check if vote counts were extracted correctly
print(voter_ls)
   [1] " (2.2M)" " (163K)" " (224K)" " (547K)" " (912K)" " (392K)" " (392K)"
   [8] " (49K)" " (501K)" " (132K)" " (46K)" " (54K)" " (2.4M)" " (34K)"
## [15] " (32K)" " (210K)" " (629K)" " (44K)" " (161K)" " (98K)" " (30K)"
## [22] " (1M)" " (567K)" " (123K)" " (341K)"
#extracted the number of episodes
eps ls <- read html(url) %>%
html_nodes('span.sc-300a8231-7.eaXxft.cli-title-metadata-item:nth-of-type(2)') %>%
html text()
clean_eps <- gsub('[eps]', '', eps_ls)</pre>
num_eps <- as.numeric(clean_eps)</pre>
print(num_eps)
## [1] 62
              6 11 10
                          5
                             60
                                 62
                                      7 86 13 13 12 74 194 26 68 78 11 10
```

```
#note to self, use gsub() to remove constant strings appearing in the dataset.
#extracted the year released
years <- read_html(url) %>%
html_nodes('span.sc-300a8231-7.eaXxft.cli-title-metadata-item:nth-of-type(1)') %>%
html_text()
years
   [1] "2008-2013" "2016"
                                  "2006"
                                               "2001"
                                                            "2019"
                                                                        "2002-2008"
   [7] "2005-2008" "2017"
                                  "1999-2007" "2014"
##
                                                            "1980"
                                                                        "2019-2023"
## [13] "2011-2019" "2018- "
                                  "1973-1974" "2009-2010" "2013- "
                                                                        "2009"
## [19] "2020"
                                               "2010-2017" "2013-2023" "1992-1995"
                     "1959-1964" "2017"
## [25] "2021-2024"
top tv shows <- data.frame(
Title = rank_title[,2],
Rating = rating_ls,
Voters = clean_votes,
Episodes = num_eps,
Year = years)
top_tv_shows
##
                                   Title Rating Voters Episodes
                                                                       Year
## 1
                           Breaking Bad
                                            9.5
                                                               62 2008-2013
                                                   2.2M
## 2
                        Planet Earth II
                                            9.5
                                                   163K
                                                                6
                                                                       2016
## 3
                                            9.4
                                                   224K
                           Planet Earth
                                                               11
                                                                       2006
## 4
                       Band of Brothers
                                            9.4
                                                   547K
                                                               10
                                                                       2001
## 5
                                            9.3
                              Chernobyl
                                                   912K
                                                                5
                                                                       2019
                                                               60 2002-2008
## 6
                                The Wire
                                            9.3
                                                   392K
## 7
                                            9.3
                                                               62 2005-2008
             Avatar: The Last Airbender
                                                   392K
## 8
                         Blue Planet II
                                            9.3
                                                    49K
                                                               7
                                                                       2017
## 9
                           The Sopranos
                                            9.2
                                                   501K
                                                               86 1999-2007
## 10
           Cosmos: A Spacetime Odyssey
                                            9.2
                                                   132K
                                                                       2014
                                                               13
## 11
                                  Cosmos
                                            9.3
                                                    46K
                                                                       1980
## 12
                              Our Planet
                                            9.2
                                                    54K
                                                               12 2019-2023
## 13
                        Game of Thrones
                                            9.2
                                                   2.4M
                                                               74 2011-2019
                                                                     2018-
## 14
                                   Bluev
                                            9.3
                                                    34K
                                                              194
## 15
                       The World at War
                                            9.2
                                                    32K
                                                               26 1973-1974
                                                               68 2009-2010
## 16 Fullmetal Alchemist: Brotherhood
                                            9.1
                                                   210K
                                                   629K
                         Rick and Morty
                                            9.1
                                                               78
                                                                     2013-
## 18
                                            9.1
                                                    44K
                                                                       2009
                                    Life
                                                               11
## 19
                         The Last Dance
                                            9.0
                                                   161K
                                                               10
                                                                       2020
## 20
                      The Twilight Zone
                                            9.0
                                                    98K
                                                              156 1959-1964
## 21
                        The Vietnam War
                                            9.1
                                                    30K
                                                               10
                                                                       2017
## 22
                                            9.1
                                Sherlock
                                                               15 2010-2017
                                                     1M
## 23
                        Attack on Titan
                                            9.1
                                                   567K
                                                               98 2013-2023
## 24
           Batman: The Animated Series
                                            9.0
                                                   123K
                                                               85 1992-1995
## 25
                                  Arcane
                                            9.0
                                                   341K
                                                               18 2021-2024
home_link <- 'https://www.imdb.com/chart/toptv/'</pre>
main page <- read html(home link)</pre>
```

```
links <- main_page %>%
html_nodes("a.ipc-title-link-wrapper") %>%
html attr("href")
links
   [1] "/title/tt0903747/?ref =chttvtp t 1"
  [2] "/title/tt5491994/?ref_=chttvtp_t_2"
##
## [3] "/title/tt0795176/?ref_=chttvtp_t_3"
## [4] "/title/tt0185906/?ref_=chttvtp_t_4"
## [5] "/title/tt7366338/?ref =chttvtp t 5"
## [6] "/title/tt0306414/?ref_=chttvtp_t_6"
## [7] "/title/tt0417299/?ref_=chttvtp_t_7"
## [8] "/title/tt6769208/?ref_=chttvtp_t_8"
## [9] "/title/tt0141842/?ref_=chttvtp_t_9"
## [10] "/title/tt2395695/?ref_=chttvtp_t_10"
## [11] "/title/tt0081846/?ref =chttvtp t 11"
## [12] "/title/tt9253866/?ref =chttvtp t 12"
## [13] "/title/tt0944947/?ref_=chttvtp_t_13"
## [14] "/title/tt7678620/?ref_=chttvtp_t_14"
## [15] "/title/tt0071075/?ref_=chttvtp_t_15"
## [16] "/title/tt1355642/?ref =chttvtp t 16"
## [17] "/title/tt2861424/?ref_=chttvtp_t_17"
## [18] "/title/tt1533395/?ref =chttvtp t 18"
## [19] "/title/tt8420184/?ref_=chttvtp_t_19"
## [20] "/title/tt0052520/?ref_=chttvtp_t_20"
## [21] "/title/tt1877514/?ref_=chttvtp_t_21"
## [22] "/title/tt1475582/?ref =chttvtp t 22"
## [23] "/title/tt2560140/?ref_=chttvtp_t_23"
## [24] "/title/tt0103359/?ref_=chttvtp_t_24"
## [25] "/title/tt11126994/?ref_=chttvtp_t_25"
```

### Loop to get link of each show's page

```
show_data <- lapply(links, function(link) {
  complete_link <- paste0("https://imdb.com", link)

#loop to get the link for user review page
  usrv_link <- read_html(complete_link)
  usrv_link_page <- usrv_link %>%
  html_nodes('a.isReview') %>%
  html_attr("href")

#loop to extract critic reviews
  critic <- usrv_link %>%
  html_nodes("span.score") %>%
  html_text()
  critic_df <- data.frame(Critic_Reviews = critic[2], stringsAsFactors = FALSE)

#loop to extract pop rating
  pop_rating <- usrv_link %>%
```

```
html_nodes('[data-testid="hero-rating-bar__popularity__score"]') %>%
html_text()
#loop to get user reviews of each shows
usrv <- read_html(paste0("https://imdb.com", usrv_link_page[1]))</pre>
usrv count <- usrv %>%
html_nodes('[data-testid="tturv-total-reviews"]') %>%
html text()
return(data.frame(Show_Link = complete_link, User_Reviews = usrv_count, Critic = critic_df, Popularity_
})
show_url_df <- do.call(rbind, show_data)</pre>
print(show_url_df)
##
                                                  Show_Link User_Reviews
## 1
        https://imdb.com/title/tt0903747/?ref_=chttvtp_t_1 5,116 reviews
## 2
        https://imdb.com/title/tt0903747/?ref_=chttvtp_t_1 5,116 reviews
## 3
        https://imdb.com/title/tt5491994/?ref_=chttvtp_t_2
                                                              158 reviews
## 4
        https://imdb.com/title/tt5491994/?ref_=chttvtp_t_2
                                                              158 reviews
## 5
        https://imdb.com/title/tt0795176/?ref_=chttvtp_t_3
                                                              111 reviews
## 6
        https://imdb.com/title/tt0795176/?ref_=chttvtp_t_3
                                                              111 reviews
## 7
        https://imdb.com/title/tt0185906/?ref_=chttvtp_t_4 1,059 reviews
## 8
        https://imdb.com/title/tt0185906/?ref_=chttvtp_t_4 1,059 reviews
## 9
        https://imdb.com/title/tt7366338/?ref_=chttvtp_t_5 3,536 reviews
## 10
        https://imdb.com/title/tt7366338/?ref_=chttvtp_t_5 3,536 reviews
## 11
        https://imdb.com/title/tt0306414/?ref =chttvtp t 6
                                                              787 reviews
## 12
        https://imdb.com/title/tt0306414/?ref_=chttvtp_t_6
                                                              787 reviews
## 13
        https://imdb.com/title/tt0417299/?ref_=chttvtp_t_7 1,001 reviews
## 14
        https://imdb.com/title/tt0417299/?ref_=chttvtp_t_7 1,001 reviews
## 15
        https://imdb.com/title/tt6769208/?ref_=chttvtp_t_8
                                                               53 reviews
                                                               53 reviews
## 16
        https://imdb.com/title/tt6769208/?ref_=chttvtp_t_8
## 17
        https://imdb.com/title/tt0141842/?ref_=chttvtp_t_9
                                                              968 reviews
## 18
        https://imdb.com/title/tt0141842/?ref_=chttvtp_t_9
                                                              968 reviews
       https://imdb.com/title/tt2395695/?ref_=chttvtp_t_10
## 19
                                                              205 reviews
## 20
       https://imdb.com/title/tt2395695/?ref_=chttvtp_t_10
                                                              205 reviews
       https://imdb.com/title/tt0081846/?ref_=chttvtp_t_11
## 21
                                                               80 reviews
## 22
       https://imdb.com/title/tt0081846/?ref_=chttvtp_t_11
                                                               80 reviews
## 23
       https://imdb.com/title/tt9253866/?ref_=chttvtp_t_12
                                                              245 reviews
## 24
       https://imdb.com/title/tt9253866/?ref_=chttvtp_t_12
                                                              245 reviews
## 25
       https://imdb.com/title/tt0944947/?ref_=chttvtp_t_13 5,911 reviews
## 26
       https://imdb.com/title/tt0944947/?ref_=chttvtp_t_13 5,911 reviews
## 27
       https://imdb.com/title/tt7678620/?ref_=chttvtp_t_14
                                                              369 reviews
## 28
       https://imdb.com/title/tt7678620/?ref =chttvtp t 14
                                                              369 reviews
## 29
       https://imdb.com/title/tt0071075/?ref_=chttvtp_t_15
                                                              126 reviews
## 30
       https://imdb.com/title/tt0071075/?ref_=chttvtp_t_15
                                                              126 reviews
## 31
       https://imdb.com/title/tt1355642/?ref_=chttvtp_t_16
                                                              468 reviews
## 32
       https://imdb.com/title/tt1355642/?ref_=chttvtp_t_16
                                                              468 reviews
## 33
       https://imdb.com/title/tt2861424/?ref_=chttvtp_t_17
                                                              911 reviews
## 34
       https://imdb.com/title/tt2861424/?ref_=chttvtp_t_17
                                                              911 reviews
                                                               12 reviews
## 35
       https://imdb.com/title/tt1533395/?ref_=chttvtp_t_18
## 36
       https://imdb.com/title/tt1533395/?ref_=chttvtp_t_18
                                                               12 reviews
## 37
       https://imdb.com/title/tt8420184/?ref_=chttvtp_t_19
                                                              542 reviews
       https://imdb.com/title/tt8420184/?ref_=chttvtp_t_19
                                                              542 reviews
```

```
https://imdb.com/title/tt0052520/?ref_=chttvtp_t_20
                                                                 214 reviews
## 40
       https://imdb.com/title/tt0052520/?ref_=chttvtp_t_20
                                                                 214 reviews
## 41
       https://imdb.com/title/tt1877514/?ref_=chttvtp_t_21
                                                                 175 reviews
## 42
       https://imdb.com/title/tt1877514/?ref_=chttvtp_t_21
                                                                 175 reviews
## 43
       https://imdb.com/title/tt1475582/?ref_=chttvtp_t_22 1,098 reviews
       https://imdb.com/title/tt1475582/?ref_=chttvtp_t_22 1,098 reviews
## 44
       https://imdb.com/title/tt2560140/?ref_=chttvtp_t_23 2,377 reviews
## 45
       https://imdb.com/title/tt2560140/?ref_=chttvtp_t_23 2,377 reviews
## 46
## 47
       https://imdb.com/title/tt0103359/?ref_=chttvtp_t_24
                                                                 219 reviews
## 48
       https://imdb.com/title/tt0103359/?ref_=chttvtp_t_24
                                                                 219 reviews
  49 https://imdb.com/title/tt11126994/?ref_=chttvtp_t_25 2,268 reviews
##
   50 https://imdb.com/title/tt11126994/?ref_=chttvtp_t_25 2,268 reviews
##
      Critic_Reviews Popularity_Rating
## 1
                  175
## 2
                  175
                                      19
## 3
                    6
                                     985
## 4
                    6
                                     985
## 5
                   10
                                   1,837
## 6
                                   1,837
                   10
## 7
                   34
                                     162
## 8
                   34
                                     162
## 9
                   88
                                     143
## 10
                                     143
                   88
## 11
                   77
                                     108
## 12
                                     108
                   77
## 13
                   57
                                     294
## 14
                   57
                                     294
                    9
                                   4,270
## 15
                    9
## 16
                                   4,270
## 17
                   93
                                      27
                                      27
## 18
                   93
## 19
                   12
                                   1,439
## 20
                   12
                                   1,439
## 21
                    8
                                   3,817
## 22
                    8
                                   3,817
                                   2,632
## 23
                   15
## 24
                   15
                                   2,632
## 25
                  368
                                      12
## 26
                  368
                                      12
## 27
                    4
                                     331
## 28
                    4
                                     331
## 29
                    5
                                   2,696
  30
                    5
##
                                   2,696
                   16
## 31
                                     479
## 32
                                     479
                   16
## 33
                   94
                                     124
## 34
                   94
                                     124
## 35
                    9
                                   3,030
## 36
                    9
                                   3,030
## 37
                   28
                                   1,530
## 38
                   28
                                   1,530
## 39
                   85
                                     319
                   85
## 40
                                     319
## 41
                   13
                                   1,776
```

```
## 42
                   13
                                    1,776
## 43
                                      167
                  121
## 44
                  121
                                      167
                                       43
## 45
                   65
## 46
                   65
                                       43
## 47
                   25
                                      510
## 48
                                      510
                   25
## 49
                   59
                                         1
## 50
                   59
shows <- cbind(top_tv_shows, show_url_df)</pre>
shows
##
                                    Title Rating Voters Episodes
                                                                          Year
## 1
                            Breaking Bad
                                                     2.2M
                                                                 62
                                                                    2008-2013
## 2
                         Planet Earth II
                                              9.5
                                                     163K
                                                                  6
                                                                          2016
##
                            Planet Earth
                                              9.4
                                                     224K
                                                                 11
                                                                          2006
## 4
                        Band of Brothers
                                              9.4
                                                                 10
                                                     547K
                                                                          2001
## 5
                                Chernobyl
                                              9.3
                                                     912K
                                                                  5
                                                                          2019
## 6
                                 The Wire
                                              9.3
                                                     392K
                                                                 60
                                                                    2002-2008
## 7
             Avatar: The Last Airbender
                                              9.3
                                                     392K
                                                                 62
                                                                    2005-2008
## 8
                          Blue Planet II
                                              9.3
                                                      49K
                                                                  7
                                                                          2017
## 9
                                                                 86 1999-2007
                            The Sopranos
                                              9.2
                                                     501K
            Cosmos: A Spacetime Odyssey
## 10
                                              9.2
                                                     132K
                                                                 13
                                                                          2014
## 11
                                              9.3
                                                      46K
                                                                 13
                                                                          1980
                                   Cosmos
## 12
                               Our Planet
                                              9.2
                                                      54K
                                                                 12 2019-2023
## 13
                         Game of Thrones
                                              9.2
                                                     2.4M
                                                                 74
                                                                    2011-2019
## 14
                                              9.3
                                                      34K
                                                                194
                                                                        2018-
                                    Bluey
## 15
                        The World at War
                                              9.2
                                                                 26 1973-1974
                                                      32K
## 16 Fullmetal Alchemist: Brotherhood
                                              9.1
                                                                 68 2009-2010
                                                     210K
                                                                       2013-
## 17
                          Rick and Morty
                                              9.1
                                                     629K
                                                                 78
## 18
                                     Life
                                              9.1
                                                      44K
                                                                 11
                                                                          2009
## 19
                                                                 10
                          The Last Dance
                                              9.0
                                                     161K
                                                                          2020
## 20
                                                                156 1959-1964
                       The Twilight Zone
                                              9.0
                                                      98K
## 21
                         The Vietnam War
                                              9.1
                                                      30K
                                                                 10
                                                                          2017
## 22
                                 Sherlock
                                              9.1
                                                       1M
                                                                 15 2010-2017
## 23
                                              9.1
                         Attack on Titan
                                                     567K
                                                                 98 2013-2023
## 24
            Batman: The Animated Series
                                              9.0
                                                     123K
                                                                 85 1992-1995
## 25
                                   Arcane
                                              9.0
                                                     341K
                                                                 18 2021-2024
## 26
                                              9.5
                                                                 62 2008-2013
                            Breaking Bad
                                                     2.2M
## 27
                         Planet Earth II
                                              9.5
                                                     163K
                                                                  6
                                                                          2016
## 28
                            Planet Earth
                                              9.4
                                                     224K
                                                                 11
                                                                          2006
## 29
                        Band of Brothers
                                              9.4
                                                     547K
                                                                          2001
## 30
                                Chernobyl
                                              9.3
                                                     912K
                                                                  5
                                                                          2019
## 31
                                 The Wire
                                              9.3
                                                     392K
                                                                 60 2002-2008
## 32
             Avatar: The Last Airbender
                                              9.3
                                                     392K
                                                                 62
                                                                    2005-2008
## 33
                          Blue Planet II
                                              9.3
                                                      49K
                                                                  7
                                                                          2017
## 34
                                                                 86 1999-2007
                            The Sopranos
                                              9.2
                                                     501K
##
   35
            Cosmos: A Spacetime Odyssey
                                              9.2
                                                     132K
                                                                 13
                                                                          2014
## 36
                                   Cosmos
                                              9.3
                                                      46K
                                                                 13
                                                                          1980
   37
                                              9.2
                                                                 12 2019-2023
##
                               Our Planet
                                                      54K
## 38
                         Game of Thrones
                                              9.2
                                                     2.4M
                                                                 74 2011-2019
## 39
                                    Bluev
                                              9.3
                                                      34K
                                                                194
                                                                        2018-
## 40
                        The World at War
                                              9.2
                                                      32K
                                                                 26 1973-1974
## 41 Fullmetal Alchemist: Brotherhood
                                              9.1
                                                     210K
                                                                 68 2009-2010
```

```
9.1
## 42
                         Rick and Morty
                                                 629K
                                                             78
                                                                   2013-
##
  43
                                                  44K
                                   Life
                                           9.1
                                                             11
                                                                     2009
##
  44
                         The Last Dance
                                           9.0
                                                  161K
                                                             10
                                                                     2020
##
  45
                                                  98K
                                                            156 1959-1964
                     The Twilight Zone
                                           9.0
##
  46
                        The Vietnam War
                                           9.1
                                                   30K
                                                             10
                                                                     2017
                                                             15 2010-2017
##
  47
                               Sherlock
                                           9.1
                                                    1M
##
  48
                        Attack on Titan
                                           9.1
                                                 567K
                                                             98 2013-2023
           Batman: The Animated Series
                                                             85 1992-1995
## 49
                                           9.0
                                                 123K
## 50
                                 Arcane
                                           9.0
                                                 341K
                                                             18 2021-2024
##
                                                   Show_Link
                                                             User_Reviews
##
  1
        https://imdb.com/title/tt0903747/?ref_=chttvtp_t_1 5,116 reviews
##
  2
        https://imdb.com/title/tt0903747/?ref_=chttvtp_t_1 5,116 reviews
##
   3
        https://imdb.com/title/tt5491994/?ref_=chttvtp_t_2
                                                               158 reviews
        https://imdb.com/title/tt5491994/?ref_=chttvtp_t_2
                                                               158 reviews
## 4
## 5
        https://imdb.com/title/tt0795176/?ref_=chttvtp_t_3
                                                               111 reviews
##
  6
        https://imdb.com/title/tt0795176/?ref_=chttvtp_t_3
                                                               111 reviews
##
  7
        https://imdb.com/title/tt0185906/?ref_=chttvtp_t_4 1,059 reviews
## 8
        https://imdb.com/title/tt0185906/?ref =chttvtp t 4 1,059 reviews
##
  9
        https://imdb.com/title/tt7366338/?ref_=chttvtp_t_5 3,536 reviews
##
  10
        https://imdb.com/title/tt7366338/?ref =chttvtp t 5 3,536 reviews
##
  11
        https://imdb.com/title/tt0306414/?ref_=chttvtp_t_6
                                                               787 reviews
## 12
        https://imdb.com/title/tt0306414/?ref_=chttvtp_t_6
                                                               787 reviews
        https://imdb.com/title/tt0417299/?ref_=chttvtp_t_7 1,001 reviews
## 13
##
  14
        https://imdb.com/title/tt0417299/?ref =chttvtp t 7 1,001 reviews
##
  15
        https://imdb.com/title/tt6769208/?ref_=chttvtp_t_8
                                                                53 reviews
##
  16
        https://imdb.com/title/tt6769208/?ref_=chttvtp_t_8
                                                                53 reviews
##
        https://imdb.com/title/tt0141842/?ref_=chttvtp_t_9
  17
                                                               968 reviews
##
   18
        https://imdb.com/title/tt0141842/?ref_=chttvtp_t_9
                                                               968 reviews
##
  19
       https://imdb.com/title/tt2395695/?ref_=chttvtp_t_10
                                                               205 reviews
##
  20
       https://imdb.com/title/tt2395695/?ref_=chttvtp_t_10
                                                               205 reviews
##
  21
       https://imdb.com/title/tt0081846/?ref_=chttvtp_t_11
                                                                80 reviews
##
  22
       https://imdb.com/title/tt0081846/?ref_=chttvtp_t_11
                                                                80 reviews
##
  23
       https://imdb.com/title/tt9253866/?ref_=chttvtp_t_12
                                                               245 reviews
##
  24
       https://imdb.com/title/tt9253866/?ref_=chttvtp_t_12
                                                               245 reviews
##
   25
       https://imdb.com/title/tt0944947/?ref =chttvtp t 13 5,911 reviews
##
  26
       https://imdb.com/title/tt0944947/?ref_=chttvtp_t_13 5,911 reviews
##
  27
       https://imdb.com/title/tt7678620/?ref =chttvtp t 14
                                                               369 reviews
##
  28
       https://imdb.com/title/tt7678620/?ref_=chttvtp_t_14
                                                               369 reviews
  29
##
       https://imdb.com/title/tt0071075/?ref_=chttvtp_t_15
                                                               126 reviews
##
  30
       https://imdb.com/title/tt0071075/?ref_=chttvtp_t_15
                                                               126 reviews
##
  31
       https://imdb.com/title/tt1355642/?ref =chttvtp t 16
                                                               468 reviews
##
       https://imdb.com/title/tt1355642/?ref_=chttvtp_t_16
                                                               468 reviews
  32
##
   33
       https://imdb.com/title/tt2861424/?ref_=chttvtp_t_17
                                                               911 reviews
##
   34
       https://imdb.com/title/tt2861424/?ref_=chttvtp_t_17
                                                               911 reviews
##
   35
       https://imdb.com/title/tt1533395/?ref_=chttvtp_t_18
                                                                12 reviews
##
  36
       https://imdb.com/title/tt1533395/?ref_=chttvtp_t_18
                                                                12 reviews
##
   37
       https://imdb.com/title/tt8420184/?ref_=chttvtp_t_19
                                                               542 reviews
##
   38
       https://imdb.com/title/tt8420184/?ref_=chttvtp_t_19
                                                               542 reviews
##
   39
       https://imdb.com/title/tt0052520/?ref_=chttvtp_t_20
                                                               214 reviews
##
   40
       https://imdb.com/title/tt0052520/?ref_=chttvtp_t_20
                                                               214 reviews
##
  41
       https://imdb.com/title/tt1877514/?ref_=chttvtp_t_21
                                                               175 reviews
##
  42
       https://imdb.com/title/tt1877514/?ref =chttvtp t 21
                                                               175 reviews
## 43
       https://imdb.com/title/tt1475582/?ref_=chttvtp_t_22 1,098 reviews
       https://imdb.com/title/tt1475582/?ref_=chttvtp_t_22 1,098 reviews
```

```
https://imdb.com/title/tt2560140/?ref_=chttvtp_t_23 2,377 reviews
## 46
       https://imdb.com/title/tt2560140/?ref_=chttvtp_t_23 2,377 reviews
       https://imdb.com/title/tt0103359/?ref_=chttvtp_t_24
                                                                  219 reviews
       https://imdb.com/title/tt0103359/?ref_=chttvtp_t_24
                                                                  219 reviews
## 48
## 49 https://imdb.com/title/tt11126994/?ref_=chttvtp_t_25 2,268 reviews
  50 https://imdb.com/title/tt11126994/?ref_=chttvtp_t_25 2,268 reviews
##
      Critic_Reviews Popularity_Rating
## 1
                  175
## 2
                  175
                                       19
## 3
                    6
                                      985
## 4
                    6
                                      985
## 5
                                    1,837
                   10
## 6
                   10
                                    1,837
## 7
                                      162
                   34
## 8
                   34
                                      162
## 9
                   88
                                      143
## 10
                   88
                                      143
## 11
                   77
                                      108
## 12
                   77
                                      108
## 13
                   57
                                      294
## 14
                   57
                                      294
## 15
                    9
                                    4,270
                                    4,270
## 16
                    9
## 17
                   93
                                       27
                                       27
## 18
                   93
## 19
                   12
                                    1,439
## 20
                   12
                                    1,439
## 21
                    8
                                    3,817
## 22
                    8
                                    3,817
## 23
                   15
                                    2,632
## 24
                   15
                                    2,632
## 25
                  368
                                       12
## 26
                  368
                                       12
## 27
                    4
                                      331
## 28
                    4
                                      331
## 29
                    5
                                    2,696
## 30
                    5
                                    2,696
## 31
                   16
                                      479
## 32
                   16
                                      479
## 33
                   94
                                      124
## 34
                   94
                                      124
## 35
                    9
                                    3,030
## 36
                    9
                                    3,030
## 37
                   28
                                    1,530
## 38
                   28
                                    1,530
## 39
                   85
                                      319
## 40
                   85
                                      319
## 41
                   13
                                    1,776
## 42
                   13
                                    1,776
## 43
                  121
                                      167
## 44
                  121
                                      167
## 45
                   65
                                       43
## 46
                   65
                                       43
## 47
                   25
                                      510
```

```
## 48
                  25
                                   510
## 49
                  59
                                     1
## 50
                  59
                                     1
#knitr::kable()
library(kableExtra)
##
## Attaching package: 'kableExtra'
## The following object is masked from 'package:dplyr':
##
##
       group_rows
knitr::kable(shows,caption = "Extracting Rating, VoteCount, Episodes, Year and Reviews") %>%
kable_classic(full_width = T, html_font = "Cambria") %>%
kable_styling(font_size = 8)
```

Table 1: Extracting Rating, VoteCount, Episodes, Year and Reviews

Title	Rating	Voters	Episodes	Year	$Show\_Link  User\_ReviewsCritic\_ReviewPopularity\_Rating \\$
Breaking	9.5	2.2M	62	2008-2013	https://imdb.com/h/title/tt09037547/?ref_=cl19tvtp_t_1
Bad Planet	9.5	163K	6	2016	reviews https://imdb.com/nl/title/tt09037547/?ref_=cl19ttvtp_t_1
Earth II Planet	9.4	224K	11	2006	$\begin{array}{l} {\rm reviews} \\ {\rm https://imdb.d} \\ {\rm dofa/title/tt54\$1994/?ref\_=c\$\$5 \\ {\rm vtp\_t\_2} \end{array}$
Earth Band of	9.4	547K	10	2001	$\begin{array}{l} {\rm reviews} \\ {\rm https://imdb.d} \\ {\rm ttbe/tt54\$1994/?ref\_=c\$\$5} \\ {\rm vtp\_t\_2} \end{array}$
Brothers Chernobyl	9.3	912K	5	2019	reviews https://imdb.dolnh/title/tt079150176/?ref_=ch,837tp_t_3 reviews
The Wire	9.3	392K	60	2002-2008	$\rm https://imdb.dolmh/title/tt07950176/?ref\_=ch,837tp\_t\_3$
Avatar: The Last	9.3	392K	62	2005–2008	reviews https://imdb.dq0fj&title/tt0185906/?ref_=cl62vtp_t_4 reviews
Airbender Blue	9.3	49K	7	2017	$https://imdb.dq059title/tt0185906/?ref\_=clf62vtp\_t\_4$
Planet II The	9.2	501K	86	1999–2007	$\begin{array}{l} {\rm reviews} \\ {\rm https://imdb.ch.fi3d:title/tt73663338/?ref\_=cht3vtp\_t\_5} \end{array}$
Sopranos Cosmos: A	9.2	132K	13	2014	reviews https://imdb. <b>3556</b> title/tt73 <b>683</b> 38/?ref_=c <b>h43</b> vtp_t_5
Spacetime Odyssey					reviews
Cosmos	9.3	46K	13	1980	$\rm https://imdb. \c{78}\color{m}/title/tt030\color{m}/414/?ref\_=c108\color{m}/title/tt030\color{m}/414/?ref=c108\color{m}/title/tt030\$
Our	9.2	54K	12	2019-2023	$\begin{array}{c} {\rm reviews} \\ {\rm https://imdb.} \sigma \overline{\bf 287}/{\rm title/tt0307414/?ref\_=ch} \overline{\bf 188} {\rm vtp\_t\_6} \end{array}$
Planet Game of	9.2	2.4M	74	2011-2019	$\begin{array}{c} {\rm reviews} \\ {\rm https://imdb.do00/ltitle/tt04 E7299/?ref\_=c294 vtp\_t\_7} \end{array}$
Thrones Bluey	9.3	34K	194	2018-	$\begin{array}{c} {\rm reviews} \\ {\rm https://imdb.do00/title/tt04 \overline{572} 299/?ref\_=c294 tvtp\_t\_7} \end{array}$
The World at War	9.2	32K	26	1973–1974	reviews https://imdb.com/tribes/st6769208/?ref_=ch,2770p_t_8
Fullmetal Alchemist: Brother-	9.1	210K	68	2009-2010	$https://imdb. \verb distribus   \$t6769208/?ref\_=c4,2760p\_t\_8$
hood Rick and Morty	9.1	629K	78	2013-	https://imdb.c968/title/tt0149B842/?ref_=c2Etvtp_t_9 reviews
Life	9.1	44K	11	2009	https://imdb. <b>268</b> /title/tt01 <b>49</b> 842/?ref_= <b>257</b> tvtp_t_9
The Last	9.0	161K	10	2020	$\begin{array}{l} {\rm reviews} \\ {\rm https://imdb.} 2005/{\rm title/tt239.5695/?ref\_=ch.439.p\_t\_10} \end{array}$
Dance The Twilight Zone	9.0	98K	156	1959–1964	https://imdb. $2005$ /title/tt239 $2695$ /?ref_=ch $239$ p_t_10 reviews

Vietnam	
War	
Sherlock 9.1 1M 15 2010-2017 https://imdb.cathrockitdev/st00\columnters1846/?ref_=ch.  Attack on 9.1 567K 98 2013-2023 https://imdb.c24fi/title/tt92f3866/?ref_=ch.	-
Titan reviews Batman: 9.0 123K 85 1992–1995 https://imdb.d24fi/title/tt9253866/?ref_=d2h	_
The reviews	
Animated Series	
Arcane 9.0 341K 18 2021–2024 https://imdb.c5a@nl/title/tt09&6847/?ref_=df	2tvtp_t_13
Breaking 9.5 2.2M 62 2008–2013 https://imdb.caphl/title/tt0946947/?ref_=ch	2tvtp_t_13
Bad reviews Planet 9.5 163K 6 2016 https://imdb.d3612/title/tt76728620/?ref_=d36 Earth II reviews	<b>31</b> vtp_t_14
Earth II reviews Planet 9.4 224K 11 2006 https://imdb.3369/title/tt7678620/?ref_=38	<b>31</b> vtp_t_14
Earth Band of 9.4 547K 10 2001 https://imdb.d26/title/tt00751075/?ref_=d26	<b>6096</b> p_t_15
Brothers Chernobyl 9.3 912K 5 2019 https://imdb.dv2f6/title/tt00751075/?ref_=d2h	<b>6696</b> p_t_15
The Wire 9.3 392K 60 2002–2008 https://imdb.c468/title/tt1355642/?ref_=c46	<b>79</b> vtp_t_16
Avatar: 9.3 392K 62 2005–2008 https://imdb.etfia/title/tt135f642/?ref_=elfi	<b>79</b> vtp_t_16
The Last reviews Airbender	
Blue 9.3 49K 7 2017 https://imdb.co.in/title/tt28691424/?ref_=cli	<b>24</b> vtp_t_17
Planet II reviews The 9.2 501K 86 1999–2007 https://imdb.@bh/title/tt28@1424/?ref_=ch	<b>24</b> vtp_t_17
Cosmos: A 9.2 132K 13 2014 https://imdb.ddnr/etitles/stt1538395/?ref_=c3h	<b>@3@</b> p_t_18
Spacetime Odyssey	
Cosmos 9.3 46K 13 1980 https://imdb.d\(\Omega\)ref_=c\(\Delta\)	£1840 t 18
Our 9.2 54K 12 2019–2023 https://imdb.coat2/title/tt84228184/?ref_=ch	-
Planet reviews Game of 9.2 2.4M 74 2011–2019 https://imdb.co42/title/tt84288184/?ref_=ch	#13fm t 19
Thrones reviews	_
Bluey 9.3 34K 194 2018- https://imdb.ω2hd/title/tt00%2520/?ref_=c3h	<b>19</b> vtp_t_20
The World 9.2 32K 26 1973–1974 https://imdb.2014/title/tt00382520/?ref_=c31 at War reviews	<b>t9</b> vtp_t_20
Fullmetal 9.1 210K 68 2009–2010 https://imdb.doff./title/tt1873514/?ref_=ch	<b>f/t7/6</b> :p_t_21
Alchemist: reviews Brother-	
hood	<b>55.</b>
Rick and 9.1 629K 78 2013— https://imdb.doff./title/tt1877514/?ref_=ch	trtwoip_t_21
Life 9.1 44K 11 2009 https://imdb.do@98title/tt1472582/?ref_=ch	<b>%7</b> vtp_t_22
The Last 9.0 161K 10 2020 https://imdb.do@98title/tt1472582/?ref_=dr	<b>%7</b> vtp_t_22
Dance reviews The 9.0 98K 156 1959–1964 https://imdb.αμβτ/title/tt25665140/?ref_=cki	stvtp_t_23
Twilight reviews	
Zone	a
The 9.1 30K 10 2017 https://imdb.αμβτ//title/tt25665140/?ref_=cki	stvtp_t_23
War	10.4 4 24
reviews	-
Attack on 9.1 567K 98 2013–2023 https://imdb.22M1/title/tt01023359/?ref_=c5	t <b>t</b> vtp_t_24
Batman: 9.0 123K 85 1992–1995 https://imdb.2026&itle/tt11E26994/?ref_=c	httvtp_t_25
Animated	
Series Arcane 9.0 341K 18 2021–2024 https://imdb.ch@68title/tt11f26994/?ref_=creviews	httvtp_t_25

```
library(kableExtra)
movies <- shows[c(1:5),]
knitr::kable(movies, caption = "IMDB Movies") %>%
kable_classic(full_width = T, html_font = "Arial Narrow") %>%
kable_styling(font_size = 8)
```

Table 2: IMDB Movies

Title	Rating	Voters	Episodes	Year	Show_Link User_ReviewsCritic_ReviewPopularity_Rating
Breaking	9.5	2.2M	62	2008-2013	https://imdb.co.ihl/title/tt09037547/?ref_=clf9tvtp_t_1
Bad Planet	9.5	163K	6	2016	$\begin{array}{c} {\rm reviews} \\ {\rm https://imdb.coml/bitle/tt090.37547/?ref\_=clutvtp\_t\_1} \end{array}$
Earth II Planet	9.4	$224\mathrm{K}$	11	2006	$\begin{array}{c} {\rm reviews} \\ {\rm https://imdb.d} \\ {\rm child/tt54} \\ {\rm fill} \\ {\rm 1994/?ref\_=c} \\ {\rm child/tt54} \\ {\rm fill} \\ {\rm 1994/?ref\_=c} \\ {\rm child/tt54} \\ {\rm fill} \\ {\rm 1994/?ref\_=c} \\ {\rm 1995/ttp\_t\_2} \\ {\rm 1994/?ref\_=c} \\ {\rm 1994/ref\_=c} \\ {\rm 1994/ref\_=$
Earth Band of	9.4	547K	10	2001	$\begin{array}{c} {\rm reviews} \\ {\rm https://imdb.d} \\ {\rm common times} \\ {\rm timelohele} \\ {\rm timelohele$
Brothers Chernobyl	9.3	912K	5	2019	reviews https://imdb.dolnl/title/tt07950176/?ref_=ch.837tp_t_3 reviews

```
#Extracting Amazon Product Reviews
```

```
url <- "https://www.amazon.com/"</pre>
# Define the scraping function
scrape_amazon <- function(url) {</pre>
page <- read_html(url)</pre>
# Extract product details
products <- page %>% html_nodes(".s-title-instructions-style") %>% html_text(trim = TRUE)
prices <- page %% html nodes(".a-price-whole") %>% html text(trim = TRUE)
ratings <- page %>% html nodes(".a-icon-alt") %>% html text(trim = TRUE)
reviews <- page %>% html_nodes(".s-underline-text") %>% html_text(trim = TRUE)
# Handle missing data by aligning lengths
max_length <- max(length(products), length(prices), length(ratings), length(reviews))</pre>
products <- c(products, rep(NA, max_length - length(products)))</pre>
prices <- c(prices, rep(NA, max_length - length(prices)))</pre>
ratings <- c(ratings, rep(NA, max_length - length(ratings)))
reviews <- c(reviews, rep(NA, max_length - length(reviews)))
# Create a data frame
return(data.frame(
Product = products,
Price = as.numeric(gsub("[^0-9.]", "", prices)),
Ratings = as.numeric(gsub("[^0-9.]", "", str_extract(ratings, "^[0-9.]+"))),
Reviews = as.numeric(gsub("[^0-9]", "", reviews)),
stringsAsFactors = FALSE
))
}
# Define URLs for categories
categories <- c("Laptops", "Books", "Shoes", "Televisions", "Fashion Bags")</pre>
urls <- c(
```

```
'https://www.amazon.com/s?k=laptop&crid=108GXR4VZZEMS&sprefix=lap%2Caps%2C680&ref=nb_sb_ss_ts-doa-p_1_3
'https://www.amazon.com/s?k=books&i=stripbooks-intl-ship&crid=3C5FBQTXKB575&sprefix=books%2Cstripbooks-
'https://www.amazon.com/s?k=shoes&i=stripbooks-intl-ship&crid=PWE5DZDD7EU7&sprefix=shoes%2Cstripbooks-intl-ship&crid=08J099JDMGHY&sprefix=television%2Cstripbooks-intl-ship&crid=08J099JDMGHY&sprefix=television%2Cstripbooks-intl-ship&crid=3N3PC8YMHSW66&sprefix=fashion+bags*
'https://www.amazon.com/s?k=fashion+bags&i=stripbooks-intl-ship&crid=3N3PC8YMHSW66&sprefix=fashion+bags*
)

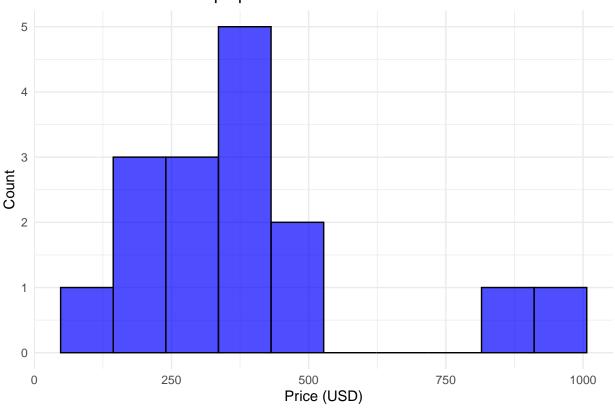
# Scrape data for all categories
amazon_data <- lapply(urls, scrape_amazon)
names(amazon_data) <- categories

# Combine all data into a single data frame
combined_data <- bind_rows(amazon_data, .id = "Category")
```

#### Plot price distributions

## Warning: Removed 73 rows containing non-finite outside the scale range
## (`stat\_bin()`).

#### Price Distribution for Laptops



## Warning: Removed 133 rows containing non-finite outside the scale range
## (`stat\_bin()`).

# Price Distribution for Books Count 4 Price (USD)

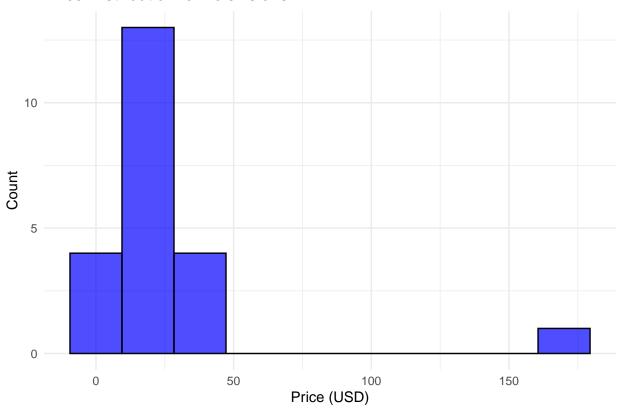
## Warning: Removed 140 rows containing non-finite outside the scale range ## (`stat\_bin()`).

# Price Distribution for Shoes 10 5

Price (USD)

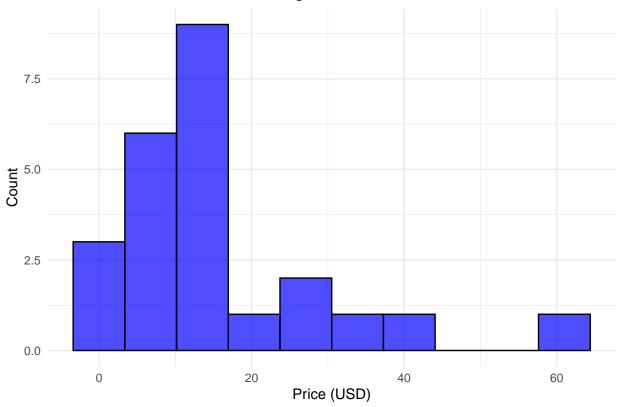
## Warning: Removed 83 rows containing non-finite outside the scale range ## (`stat\_bin()`).

## Price Distribution for Televisions



## Warning: Removed 102 rows containing non-finite outside the scale range ## (`stat\_bin()`).

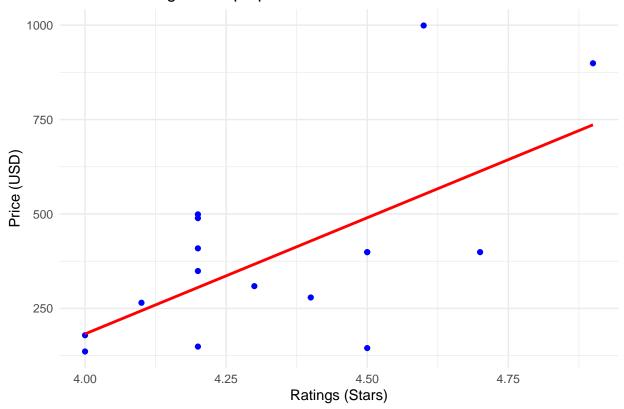
# Price Distribution for Fashion Bags



# Plot price vs ratings

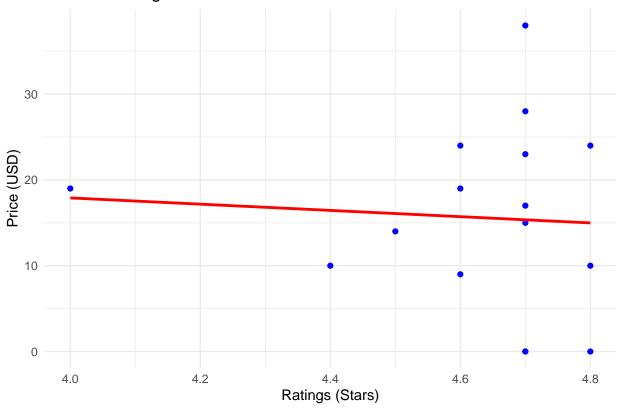
## `geom\_smooth()` using formula = 'y ~ x'

# Price vs Ratings for Laptops



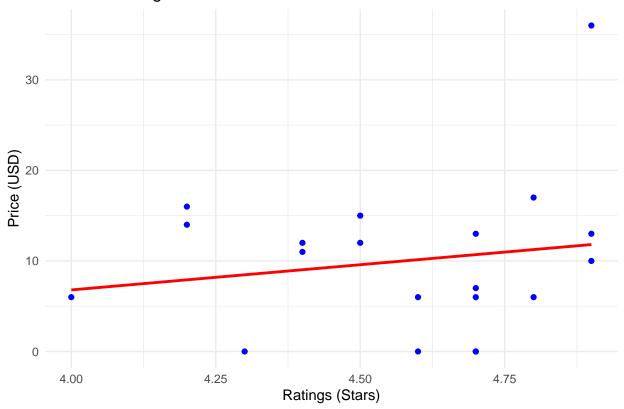
## `geom\_smooth()` using formula = 'y ~ x'

# Price vs Ratings for Books



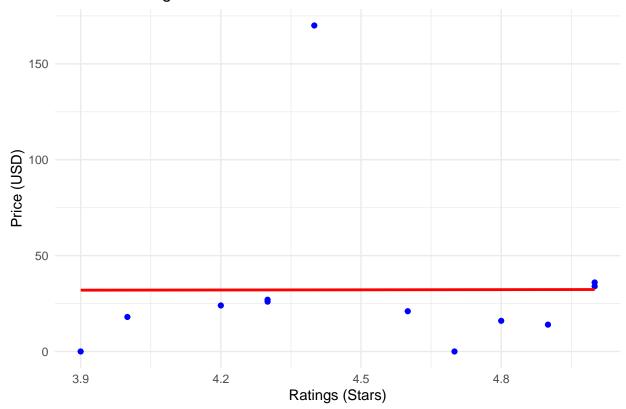
## `geom\_smooth()` using formula = 'y ~ x'

# Price vs Ratings for Shoes



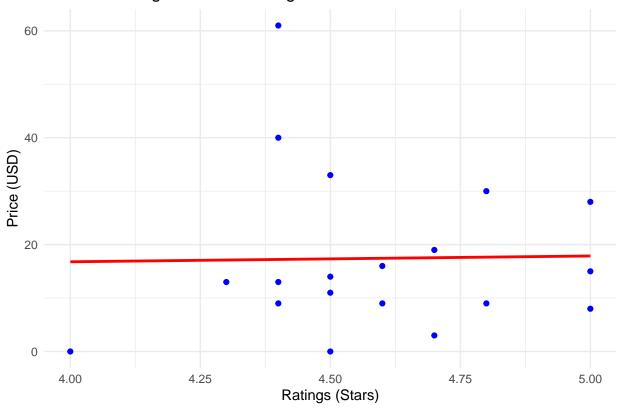
## `geom\_smooth()` using formula = 'y ~ x'

# Price vs Ratings for Televisions



## `geom\_smooth()` using formula = 'y ~ x'

#### Price vs Ratings for Fashion Bags



```
# Rank products within each category
rank_products <- function(data) {
  data <- data %>%
  arrange(desc(Ratings), Price) %>%
  mutate(Rank = row_number())
  return(data)
}

ranked_data <- lapply(amazon_data, rank_products)

# Print top 5 products per category
for (category in categories) {
  cat("\nTop 5 Products in", category, "\n")
  print(head(ranked_data[[category]], 5))
}</pre>
```

```
##
## Top 5 Products in Laptops
##
## 1
                                                            HP Lastest 255 G10 15.6" FHD Business Lapto
## 2 15.6 FHD Laptop, Win 11 Laptop Intel 12th Gen N100(Beat i3 1115G4), 16GB RAM 1TB SSD, WiFi 6, BT5.
## 3
           Apple 2024 MacBook Air 13-inch Laptop with M3 chip: Built for Apple Intelligence, 13.6-inch
## 4
                             acer Gateway Chromebook 311 CBO311-1H-C1MX Laptop | Intel Celeron N4500 |
## 5
             NIMO 15.6'' FHD IPS Student Laptop, 16GB RAM 1TB SSD, Intel Pentium Quad-Core N100(Beat to
    Price Ratings
                        Reviews Rank
## 1
      899
               4.9 3.090031e+19
                                   1
```

## 2

399

4.7 1.441202e+25

```
999
               4.6 2.799928e+19
## 4
               4.5 1.900000e+01
                                    4
       145
## 5
       399
               4.5
##
## Top 5 Products in Books
## 1 Little Corner: Coloring Book for Adults and Teens, Super Cute Designs of Cozy, Hygge Spaces for Re
                                                                          Wind and Truth: Book Five of the
## 3
           Girl Moments: Coloring Book for Adults and Teens Featuring Cute Cozy Daily Activities for Re
## 4
                                                          Dog Man: Big Jim Begins: A Graphic Novel (Dog M
## 5
##
     Price Ratings Reviews Rank
## 1
               4.8
                       279
         0
## 2
        10
               4.8
                        NA
                               2
               4.8
                               3
## 3
        24
                        NA
## 4
         0
               4.7
                         33
                               4
## 5
                               5
         0
               4.7
                        NA
##
## Top 5 Products in Shoes
## 1 Red Lace, Yellow Lace: A Board/Picture Book For Kids About Learning to Tie Shoes and the Importanc
## 3
## 4
## 5
    Price Ratings
                        Reviews Rank
               4.9 1.658166e+15
## 1
        10
## 2
        13
               4.9
                              NA
                                    2
## 3
               4.9
                                    3
        36
## 4
         6
               4.8
                                    4
                              NA
## 5
        17
               4.8 1.239200e+04
##
## Top 5 Products in Televisions
##
## 1
                                                                      The Big Story: The Oral History of
## 2
                         3... 2...1... We're on the Air: An Inside Look at Sports Television, Journalis
                                  Black TV: Five Decades of Groundbreaking Television from Soul Train to
## 4 Behind the Screens: Illustrated Floor Plans and Scenes from the Best TV Shows of All Time by Iñak
                                                         FILM/TV DIRECTOR'S FIELD MANUAL: Seventy Maxims
## 5
     Price Ratings Reviews Rank
               5.0 14991499
## 1
        34
## 2
        36
               5.0
                                2
                         NΑ
## 3
        14
               4.9
                         759
                                3
               4.8 20252025
## 4
        16
                                4
## 5
               4.7
##
## Top 5 Products in Fashion Bags
##
## 1
                                                    Fashionary Bag Design: A Handbook for Accessories De
## 2
                                                    Patchwork Quilted Bags: Totes, Purses and Accessorie
           Build a Bag Book: Tote Bags (paperback edition): Sew 15 stunning projects and endless variat
## 4 Half Yard Bags & Purses: Sew 12 Beautiful Bags and 12 Matching Purses Part of: Half Yard (7 books
## 5
                                                                Megan Hess: The Bag (Ultimate Fashion War
```

Reviews Rank

## Price Ratings

	1
	2
1	3
	4
	5