

## 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/'

# Create a polite session
session <- bow(url, user_agent = "Educational")

session

## <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)
colnames(title_list_sub) <- "ranks"

split_df <- strsplit(as.character(title_list_sub$ranks), "\\.", fixed = FALSE)
split_df <- data.frame(do.call(rbind, split_df), stringsAsFactors = FALSE)

colnames(split_df) <- c("rank", "title")
split_df <- split_df %>%
select(rank, title)

split_df$title <- trimws(split_df$title)

rank_title <- split_df
rank_title
```

```
##      rank      title
## 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     11     Cosmos
## 12     12     Our Planet
## 13     13     Game of Thrones
## 14     14     Bluey
## 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 21 The Vietnam War
## 22 22 Sherlock
## 23 23 Attack on Titan
## 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" "9.1" "9.0"
## [25] "9.0"
```

## Scrape Vote Counts

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

clean_votes <- gsub('[()]',' ', voter_ls)
# 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)

num_eps <- as.numeric(clean_eps)

print(num_eps)
```

```
## [1] 62 6 11 10 5 60 62 7 86 13 13 12 74 194 26 68 78 11 10
## [20] 156 10 15 98 85 18
```

```
#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"      "1959-1964" "2017"      "2010-2017" "2013-2023" "1992-1995"  
## [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	2.2M	62	2008-2013
## 2	Planet Earth II	9.5	163K	6	2016
## 3	Planet Earth	9.4	224K	11	2006
## 4	Band of Brothers	9.4	547K	10	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	The Sopranos	9.2	501K	86	1999-2007
## 10	Cosmos: A Spacetime Odyssey	9.2	132K	13	2014
## 11	Cosmos	9.3	46K	13	1980
## 12	Our Planet	9.2	54K	12	2019-2023
## 13	Game of Thrones	9.2	2.4M	74	2011-2019
## 14	Bluey	9.3	34K	194	2018-
## 15	The World at War	9.2	32K	26	1973-1974
## 16	Fullmetal Alchemist: Brotherhood	9.1	210K	68	2009-2010
## 17	Rick and Morty	9.1	629K	78	2013-
## 18	Life	9.1	44K	11	2009
## 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	Sherlock	9.1	1M	15	2010-2017
## 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/'  
main_page <- read_html(home_link)
```

```
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]))
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_L
})

show_url_df <- do.call(rbind, show_data)
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
## 16 https://imdb.com/title/tt6769208/?ref_=chttvtp_t_8    53 reviews
## 17 https://imdb.com/title/tt0141842/?ref_=chttvtp_t_9   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
## 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
## 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
## 44 https://imdb.com/title/tt1475582/?ref_=chttvtp_t_22 1,098 reviews
## 45 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
## 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 19
## 2 175 19
## 3 6 985
## 4 6 985
## 5 10 1,837
## 6 10 1,837
## 7 34 162
## 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
## 16 9 4,270
## 17 93 27
## 18 93 27
## 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
```

```
shows <- cbind(top_tv_shows, show_url_df)
shows
```

##	Title	Rating	Voters	Episodes	Year
## 1	Breaking Bad	9.5	2.2M	62	2008-2013
## 2	Planet Earth II	9.5	163K	6	2016
## 3	Planet Earth	9.4	224K	11	2006
## 4	Band of Brothers	9.4	547K	10	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	The Sopranos	9.2	501K	86	1999-2007
## 10	Cosmos: A Spacetime Odyssey	9.2	132K	13	2014
## 11	Cosmos	9.3	46K	13	1980
## 12	Our Planet	9.2	54K	12	2019-2023
## 13	Game of Thrones	9.2	2.4M	74	2011-2019
## 14	Bluey	9.3	34K	194	2018-
## 15	The World at War	9.2	32K	26	1973-1974
## 16	Fullmetal Alchemist: Brotherhood	9.1	210K	68	2009-2010
## 17	Rick and Morty	9.1	629K	78	2013-
## 18	Life	9.1	44K	11	2009
## 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	Sherlock	9.1	1M	15	2010-2017
## 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
## 26	Breaking Bad	9.5	2.2M	62	2008-2013
## 27	Planet Earth II	9.5	163K	6	2016
## 28	Planet Earth	9.4	224K	11	2006
## 29	Band of Brothers	9.4	547K	10	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	The Sopranos	9.2	501K	86	1999-2007
## 35	Cosmos: A Spacetime Odyssey	9.2	132K	13	2014
## 36	Cosmos	9.3	46K	13	1980
## 37	Our Planet	9.2	54K	12	2019-2023
## 38	Game of Thrones	9.2	2.4M	74	2011-2019
## 39	Bluey	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



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

```

## 45 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
## 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 19
## 2 175 19
## 3 6 985
## 4 6 985
## 5 10 1,837
## 6 10 1,837
## 7 34 162
## 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
## 16 9 4,270
## 17 93 27
## 18 93 27
## 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_Reviews	Critic_Reviews	Popularity_Rating
Breaking Bad	9.5	2.2M	62	2008–2013	<a href="https://imdb.com/title/tt0903774/?ref_=chr_tvp_t_1">https://imdb.com/title/tt0903774/?ref_=chr_tvp_t_1</a>	5116 reviews	191	1
Planet Earth II	9.5	163K	6	2016	<a href="https://imdb.com/title/tt0903774/?ref_=chr_tvp_t_1">https://imdb.com/title/tt0903774/?ref_=chr_tvp_t_1</a>	5116 reviews	191	1
Planet Earth	9.4	224K	11	2006	<a href="https://imdb.com/title/tt54461994/?ref_=chr_tvp_t_2">https://imdb.com/title/tt54461994/?ref_=chr_tvp_t_2</a>	458 reviews	985	2
Earth Band of Brothers	9.4	547K	10	2001	<a href="https://imdb.com/title/tt54461994/?ref_=chr_tvp_t_2">https://imdb.com/title/tt54461994/?ref_=chr_tvp_t_2</a>	458 reviews	985	2
Chernobyl	9.3	912K	5	2019	<a href="https://imdb.com/title/tt0795176/?ref_=chr_tvp_t_3">https://imdb.com/title/tt0795176/?ref_=chr_tvp_t_3</a>	1111 reviews	837	3
The Wire	9.3	392K	60	2002–2008	<a href="https://imdb.com/title/tt0795176/?ref_=chr_tvp_t_3">https://imdb.com/title/tt0795176/?ref_=chr_tvp_t_3</a>	1111 reviews	837	3
Avatar: The Last Airbender	9.3	392K	62	2005–2008	<a href="https://imdb.com/title/tt0185906/?ref_=chr_tvp_t_4">https://imdb.com/title/tt0185906/?ref_=chr_tvp_t_4</a>	1059 reviews	162	4
Blue Planet II	9.3	49K	7	2017	<a href="https://imdb.com/title/tt0185906/?ref_=chr_tvp_t_4">https://imdb.com/title/tt0185906/?ref_=chr_tvp_t_4</a>	1059 reviews	162	4
The Sopranos	9.2	501K	86	1999–2007	<a href="https://imdb.com/title/tt7368338/?ref_=chr_tvp_t_5">https://imdb.com/title/tt7368338/?ref_=chr_tvp_t_5</a>	3586 reviews	413	5
Cosmos: A Spacetime Odyssey	9.2	132K	13	2014	<a href="https://imdb.com/title/tt7368338/?ref_=chr_tvp_t_5">https://imdb.com/title/tt7368338/?ref_=chr_tvp_t_5</a>	3586 reviews	413	5
Cosmos	9.3	46K	13	1980	<a href="https://imdb.com/title/tt0307414/?ref_=chr_tvp_t_6">https://imdb.com/title/tt0307414/?ref_=chr_tvp_t_6</a>	787 reviews	108	6
Our Planet	9.2	54K	12	2019–2023	<a href="https://imdb.com/title/tt0307414/?ref_=chr_tvp_t_6">https://imdb.com/title/tt0307414/?ref_=chr_tvp_t_6</a>	787 reviews	108	6
Game of Thrones	9.2	2.4M	74	2011–2019	<a href="https://imdb.com/title/tt0457299/?ref_=chr_tvp_t_7">https://imdb.com/title/tt0457299/?ref_=chr_tvp_t_7</a>	1001 reviews	294	7
Bluey	9.3	34K	194	2018–	<a href="https://imdb.com/title/tt0457299/?ref_=chr_tvp_t_7">https://imdb.com/title/tt0457299/?ref_=chr_tvp_t_7</a>	1001 reviews	294	7
The World at War	9.2	32K	26	1973–1974	<a href="https://imdb.com/title/tt6769208/?ref_=chr_tvp_t_8">https://imdb.com/title/tt6769208/?ref_=chr_tvp_t_8</a>	53 reviews	270	8
Fullmetal Alchemist: Brotherhood	9.1	210K	68	2009–2010	<a href="https://imdb.com/title/tt6769208/?ref_=chr_tvp_t_8">https://imdb.com/title/tt6769208/?ref_=chr_tvp_t_8</a>	53 reviews	270	8
Rick and Morty	9.1	629K	78	2013–	<a href="https://imdb.com/title/tt0141842/?ref_=chr_tvp_t_9">https://imdb.com/title/tt0141842/?ref_=chr_tvp_t_9</a>	968 reviews	27	9
Life	9.1	44K	11	2009	<a href="https://imdb.com/title/tt0141842/?ref_=chr_tvp_t_9">https://imdb.com/title/tt0141842/?ref_=chr_tvp_t_9</a>	968 reviews	27	9
The Last Dance	9.0	161K	10	2020	<a href="https://imdb.com/title/tt2395695/?ref_=chr_tvp_t_10">https://imdb.com/title/tt2395695/?ref_=chr_tvp_t_10</a>	205 reviews	439	10
The Twilight Zone	9.0	98K	156	1959–1964	<a href="https://imdb.com/title/tt2395695/?ref_=chr_tvp_t_10">https://imdb.com/title/tt2395695/?ref_=chr_tvp_t_10</a>	205 reviews	439	10

The Vietnam War	9.1	30K	10	2017	<a href="https://imdb.com/title/tt0081846/?ref_=chrtp_t_11">https://imdb.com/title/tt0081846/?ref_=chrtp_t_11</a>
Sherlock	9.1	1M	15	2010–2017	<a href="https://imdb.com/title/tt0081846/?ref_=chrtp_t_11">https://imdb.com/title/tt0081846/?ref_=chrtp_t_11</a>
Attack on Titan	9.1	567K	98	2013–2023	<a href="https://imdb.com/title/tt9233866/?ref_=chrtp_t_12">https://imdb.com/title/tt9233866/?ref_=chrtp_t_12</a>
Batman: The Animated Series	9.0	123K	85	1992–1995	<a href="https://imdb.com/title/tt9233866/?ref_=chrtp_t_12">https://imdb.com/title/tt9233866/?ref_=chrtp_t_12</a>
Arcane	9.0	341K	18	2021–2024	<a href="https://imdb.com/title/tt0946847/?ref_=chrtp_t_13">https://imdb.com/title/tt0946847/?ref_=chrtp_t_13</a>
Breaking Bad	9.5	2.2M	62	2008–2013	<a href="https://imdb.com/title/tt0946847/?ref_=chrtp_t_13">https://imdb.com/title/tt0946847/?ref_=chrtp_t_13</a>
Planet Earth II	9.5	163K	6	2016	<a href="https://imdb.com/title/tt7678620/?ref_=chrtp_t_14">https://imdb.com/title/tt7678620/?ref_=chrtp_t_14</a>
Planet Earth	9.4	224K	11	2006	<a href="https://imdb.com/title/tt7678620/?ref_=chrtp_t_14">https://imdb.com/title/tt7678620/?ref_=chrtp_t_14</a>
Band of Brothers	9.4	547K	10	2001	<a href="https://imdb.com/title/tt0071075/?ref_=chrtp_t_15">https://imdb.com/title/tt0071075/?ref_=chrtp_t_15</a>
Chernobyl	9.3	912K	5	2019	<a href="https://imdb.com/title/tt0071075/?ref_=chrtp_t_15">https://imdb.com/title/tt0071075/?ref_=chrtp_t_15</a>
The Wire	9.3	392K	60	2002–2008	<a href="https://imdb.com/title/tt1355642/?ref_=chrtp_t_16">https://imdb.com/title/tt1355642/?ref_=chrtp_t_16</a>
Avatar: The Last Airbender	9.3	392K	62	2005–2008	<a href="https://imdb.com/title/tt1355642/?ref_=chrtp_t_16">https://imdb.com/title/tt1355642/?ref_=chrtp_t_16</a>
Blue Planet II	9.3	49K	7	2017	<a href="https://imdb.com/title/tt2869424/?ref_=chrtp_t_17">https://imdb.com/title/tt2869424/?ref_=chrtp_t_17</a>
The Sopranos	9.2	501K	86	1999–2007	<a href="https://imdb.com/title/tt2869424/?ref_=chrtp_t_17">https://imdb.com/title/tt2869424/?ref_=chrtp_t_17</a>
Cosmos: A Spacetime Odyssey	9.2	132K	13	2014	<a href="https://imdb.com/title/tt1533395/?ref_=chrtp_t_18">https://imdb.com/title/tt1533395/?ref_=chrtp_t_18</a>
Cosmos	9.3	46K	13	1980	<a href="https://imdb.com/title/tt1533395/?ref_=chrtp_t_18">https://imdb.com/title/tt1533395/?ref_=chrtp_t_18</a>
Our Planet	9.2	54K	12	2019–2023	<a href="https://imdb.com/title/tt8428184/?ref_=chrtp_t_19">https://imdb.com/title/tt8428184/?ref_=chrtp_t_19</a>
Game of Thrones	9.2	2.4M	74	2011–2019	<a href="https://imdb.com/title/tt8428184/?ref_=chrtp_t_19">https://imdb.com/title/tt8428184/?ref_=chrtp_t_19</a>
Bluey	9.3	34K	194	2018–	<a href="https://imdb.com/title/tt0053520/?ref_=chrtp_t_20">https://imdb.com/title/tt0053520/?ref_=chrtp_t_20</a>
The World at War	9.2	32K	26	1973–1974	<a href="https://imdb.com/title/tt0053520/?ref_=chrtp_t_20">https://imdb.com/title/tt0053520/?ref_=chrtp_t_20</a>
Fullmetal Alchemist: Brotherhood	9.1	210K	68	2009–2010	<a href="https://imdb.com/title/tt1873514/?ref_=chrtp_t_21">https://imdb.com/title/tt1873514/?ref_=chrtp_t_21</a>
Rick and Morty	9.1	629K	78	2013–	<a href="https://imdb.com/title/tt1873514/?ref_=chrtp_t_21">https://imdb.com/title/tt1873514/?ref_=chrtp_t_21</a>
Life	9.1	44K	11	2009	<a href="https://imdb.com/title/tt1475282/?ref_=chrtp_t_22">https://imdb.com/title/tt1475282/?ref_=chrtp_t_22</a>
The Last Dance	9.0	161K	10	2020	<a href="https://imdb.com/title/tt1475282/?ref_=chrtp_t_22">https://imdb.com/title/tt1475282/?ref_=chrtp_t_22</a>
The Twilight Zone	9.0	98K	156	1959–1964	<a href="https://imdb.com/title/tt2565140/?ref_=chrtp_t_23">https://imdb.com/title/tt2565140/?ref_=chrtp_t_23</a>
The Vietnam War	9.1	30K	10	2017	<a href="https://imdb.com/title/tt2565140/?ref_=chrtp_t_23">https://imdb.com/title/tt2565140/?ref_=chrtp_t_23</a>
Sherlock	9.1	1M	15	2010–2017	<a href="https://imdb.com/title/tt0123359/?ref_=chrtp_t_24">https://imdb.com/title/tt0123359/?ref_=chrtp_t_24</a>
Attack on Titan	9.1	567K	98	2013–2023	<a href="https://imdb.com/title/tt0123359/?ref_=chrtp_t_24">https://imdb.com/title/tt0123359/?ref_=chrtp_t_24</a>
Batman: The Animated Series	9.0	123K	85	1992–1995	<a href="https://imdb.com/title/tt11526994/?ref_=chrtp_t_25">https://imdb.com/title/tt11526994/?ref_=chrtp_t_25</a>
Arcane	9.0	341K	18	2021–2024	<a href="https://imdb.com/title/tt11526994/?ref_=chrtp_t_25">https://imdb.com/title/tt11526994/?ref_=chrtp_t_25</a>

```
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_Reviews	Critic_Review	Popularity_Rating
Breaking	9.5	2.2M	62	2008–2013	<a href="https://imdb.com/title/tt0903767/?ref_=chrtp_t_1">https://imdb.com/title/tt0903767/?ref_=chrtp_t_1</a>	5116	10	1
Bad Planet	9.5	163K	6	2016	<a href="https://imdb.com/title/tt0903767/?ref_=chrtp_t_1">https://imdb.com/title/tt0903767/?ref_=chrtp_t_1</a>	5116	10	1
Earth II Planet	9.4	224K	11	2006	<a href="https://imdb.com/title/tt5441994/?ref_=chrtp_t_2">https://imdb.com/title/tt5441994/?ref_=chrtp_t_2</a>	358	9.5	2
Earth Band of	9.4	547K	10	2001	<a href="https://imdb.com/title/tt5441994/?ref_=chrtp_t_2">https://imdb.com/title/tt5441994/?ref_=chrtp_t_2</a>	358	9.5	2
Brothers Chernobyl	9.3	912K	5	2019	<a href="https://imdb.com/title/tt0795176/?ref_=chrtp_t_3">https://imdb.com/title/tt0795176/?ref_=chrtp_t_3</a>	111	8.3	3

#Extracting Amazon Product Reviews

```
url <- "https://www.amazon.com/"

# Define the scraping function
scrape_amazon <- function(url) {
  page <- read_html(url)

  # 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))
  products <- c(products, rep(NA, max_length - length(products)))
  prices <- c(prices, rep(NA, max_length - length(prices)))
  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")
urls <- c(
```

```

'https://www.amazon.com/s?k=laptop&crid=108GXR4VZZEMS&srefix=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&srefix=books%2Cstripbooks-
'https://www.amazon.com/s?k=shoes&i=stripbooks-intl-ship&crid=PWE5DZDD7EU7&srefix=shoes%2Cstripbooks-i
'https://www.amazon.com/s?k=television&i=stripbooks-intl-ship&crid=08J099JDMGHY&srefix=television%2Cst
'https://www.amazon.com/s?k=fashion+bags&i=stripbooks-intl-ship&crid=3N3PC8YMHSW66&srefix=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")

```

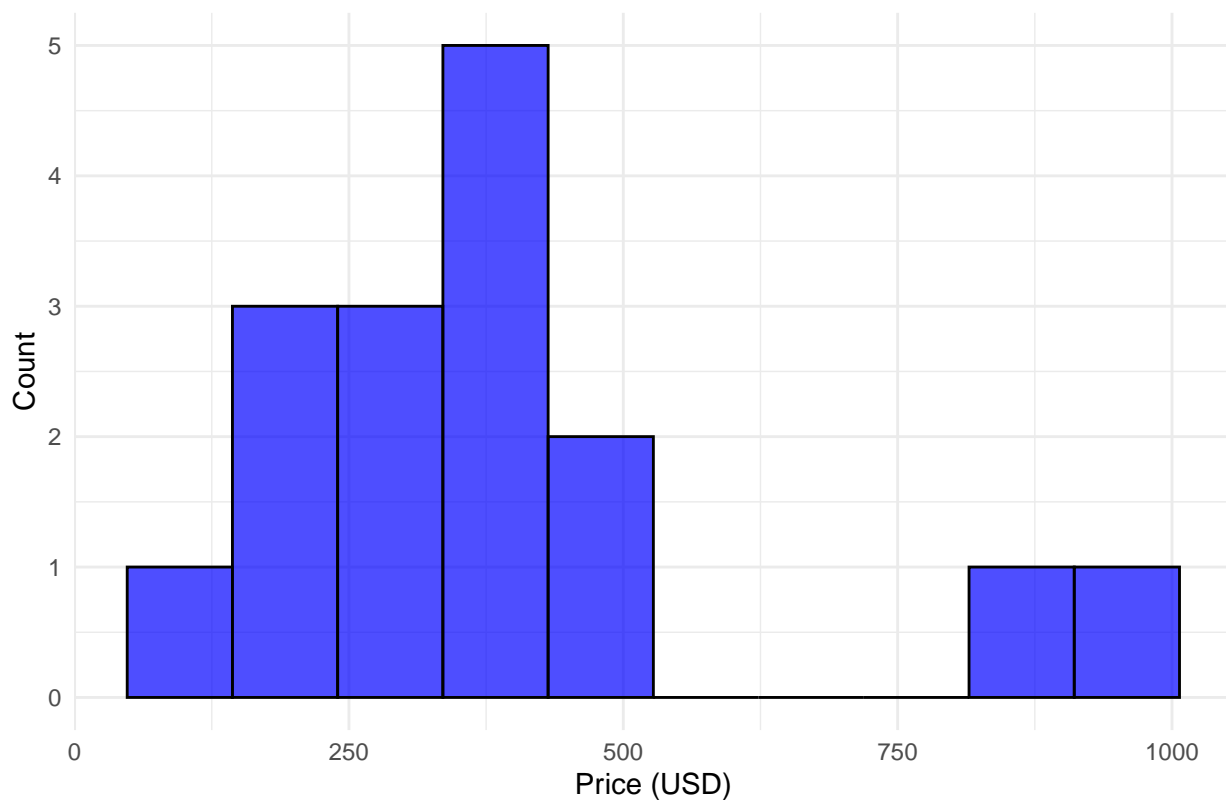
## Plot price distributions

```

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

```

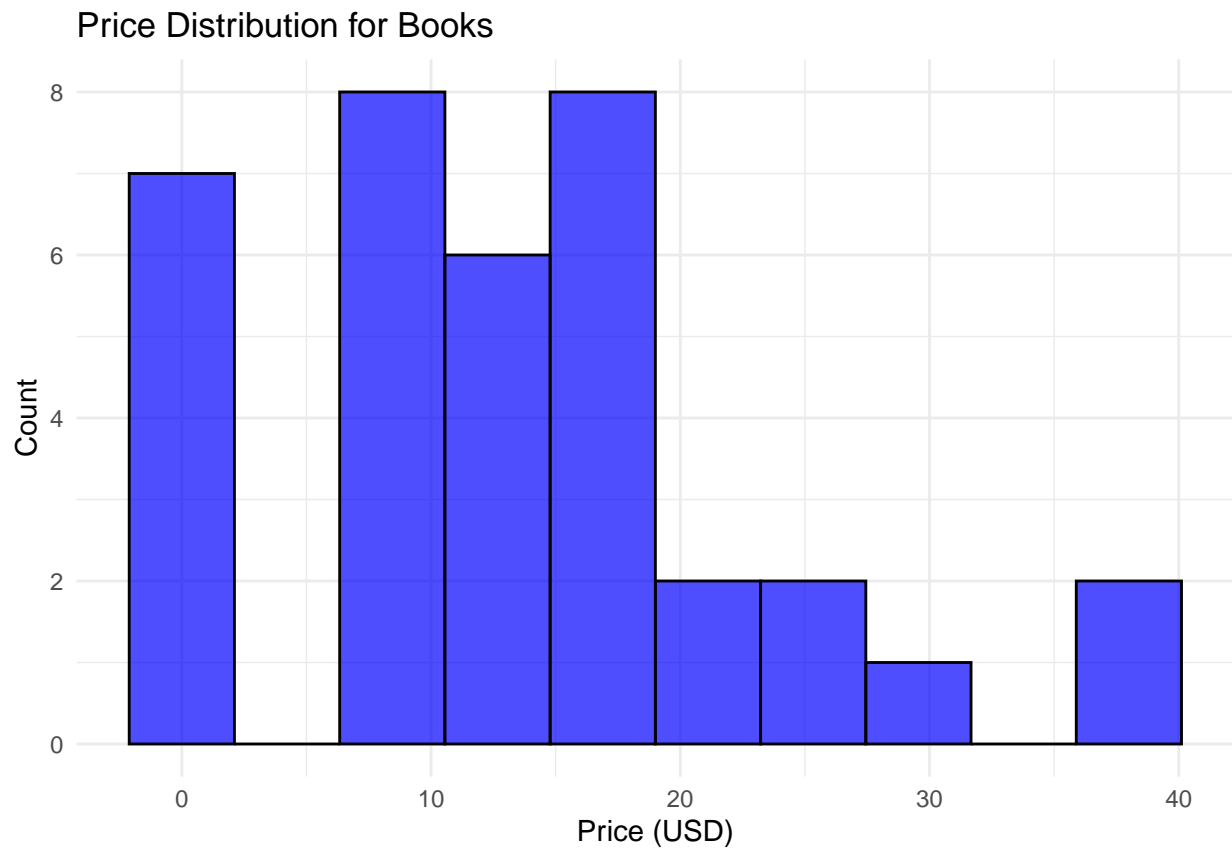
Price Distribution for Laptops



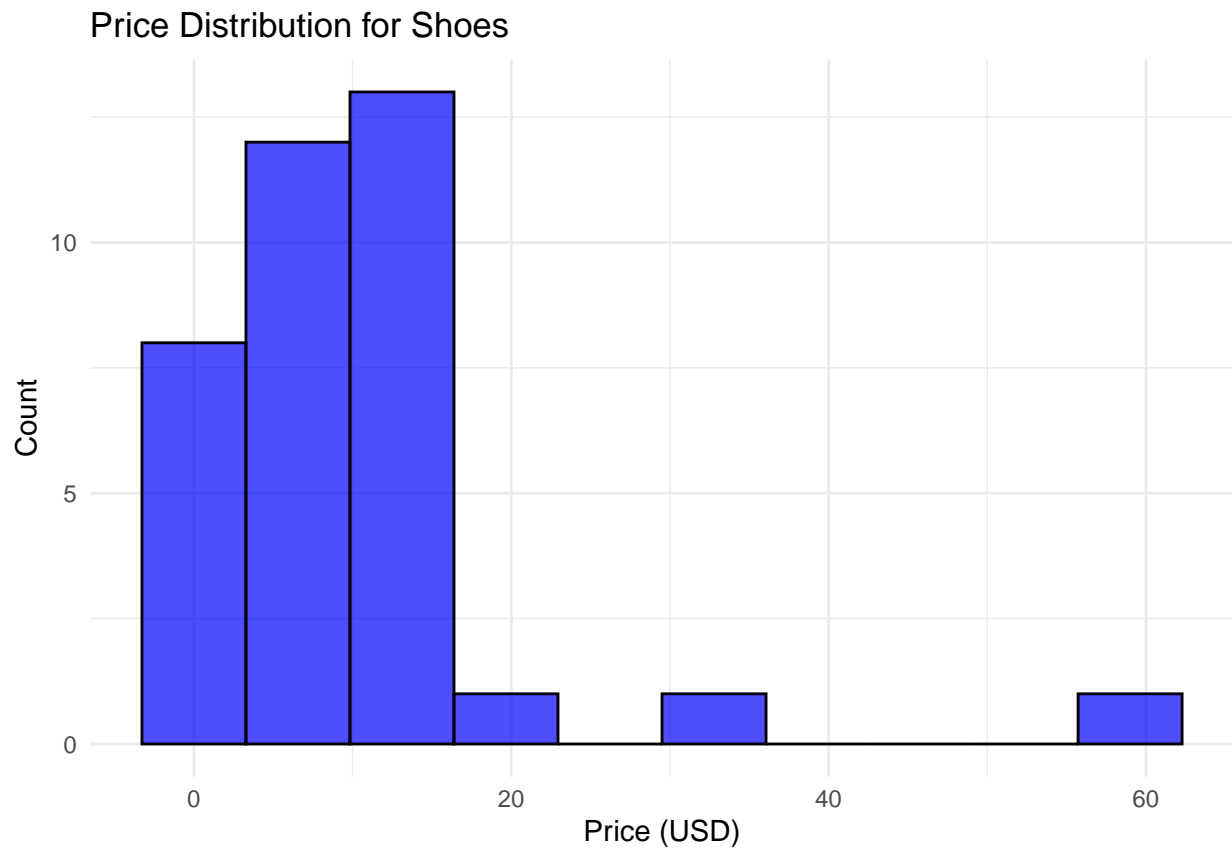
```

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

```

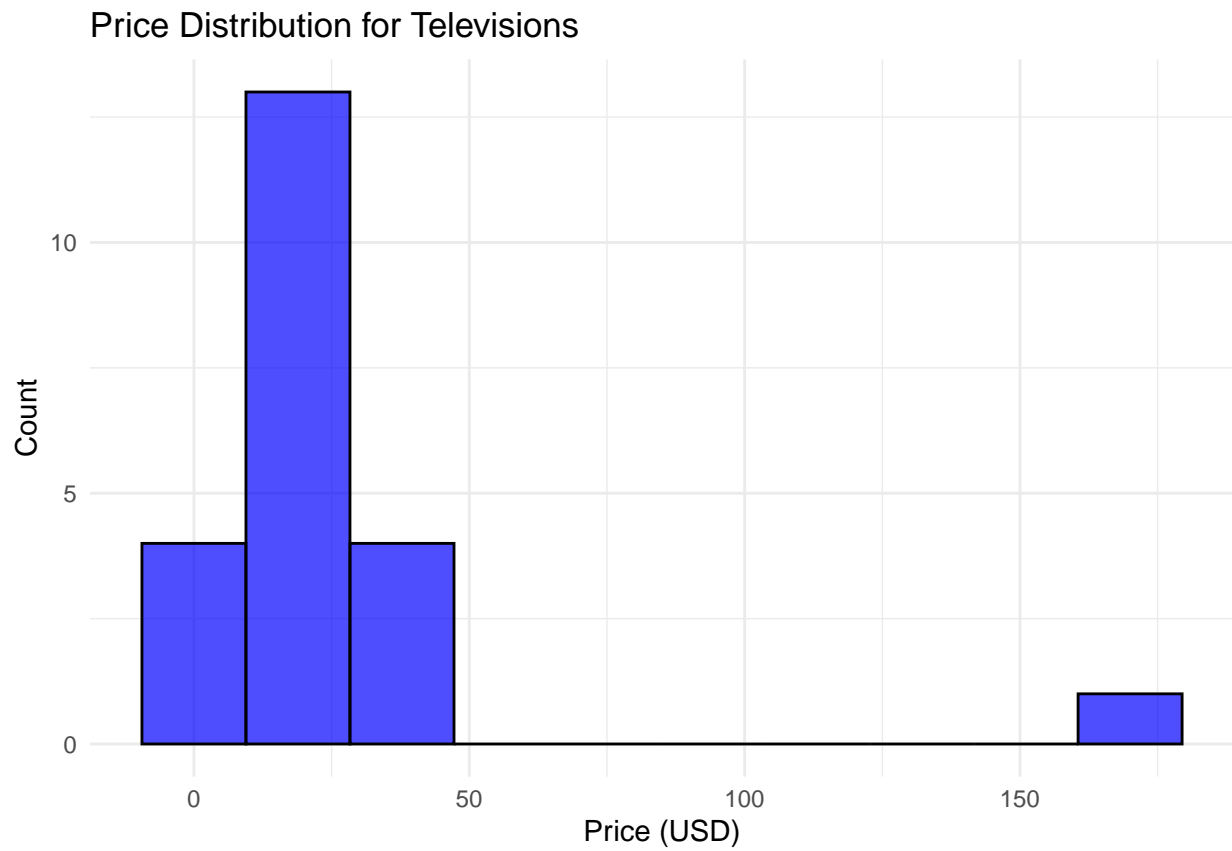


```
## Warning: Removed 140 rows containing non-finite outside the scale range
## (`stat_bin()`).
```



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



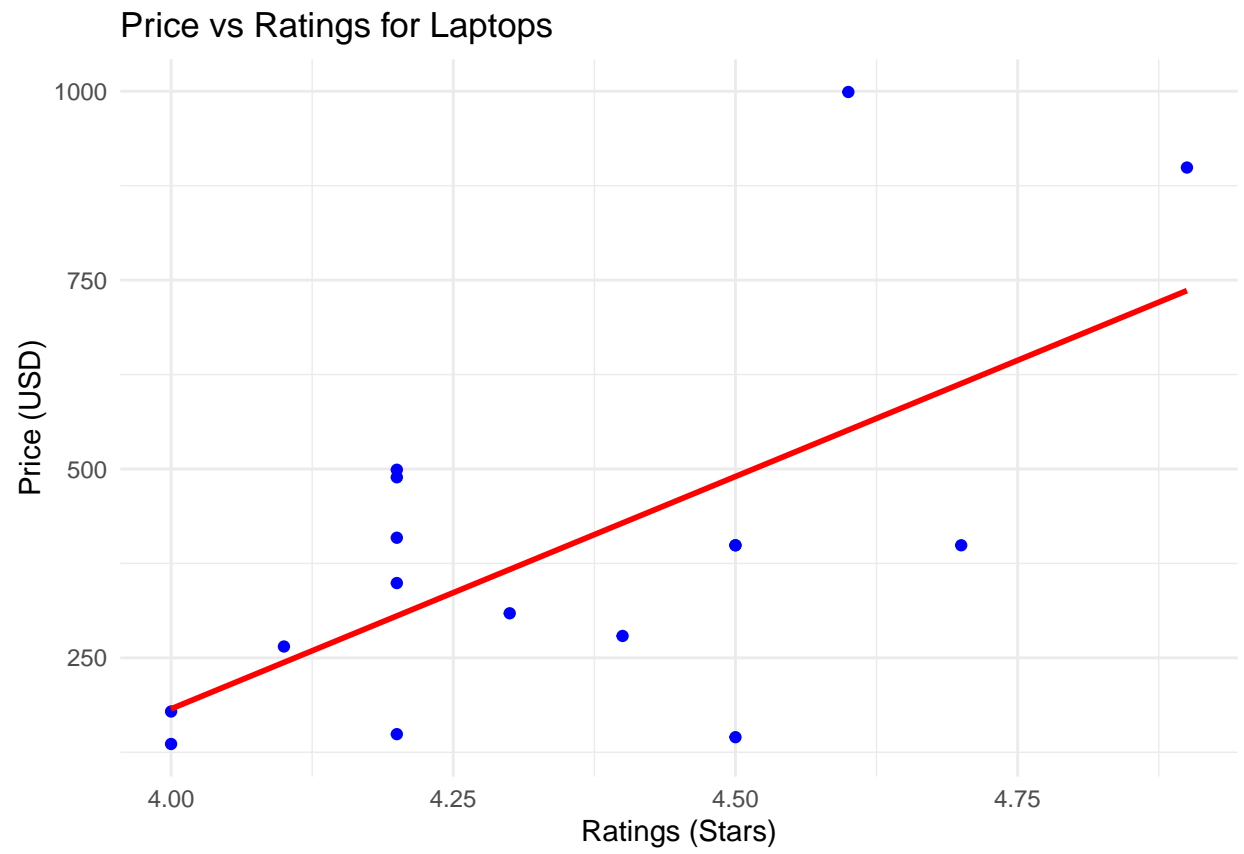


```
## Warning: Removed 111 rows containing non-finite outside the scale range  
## (`stat_bin()`).
```



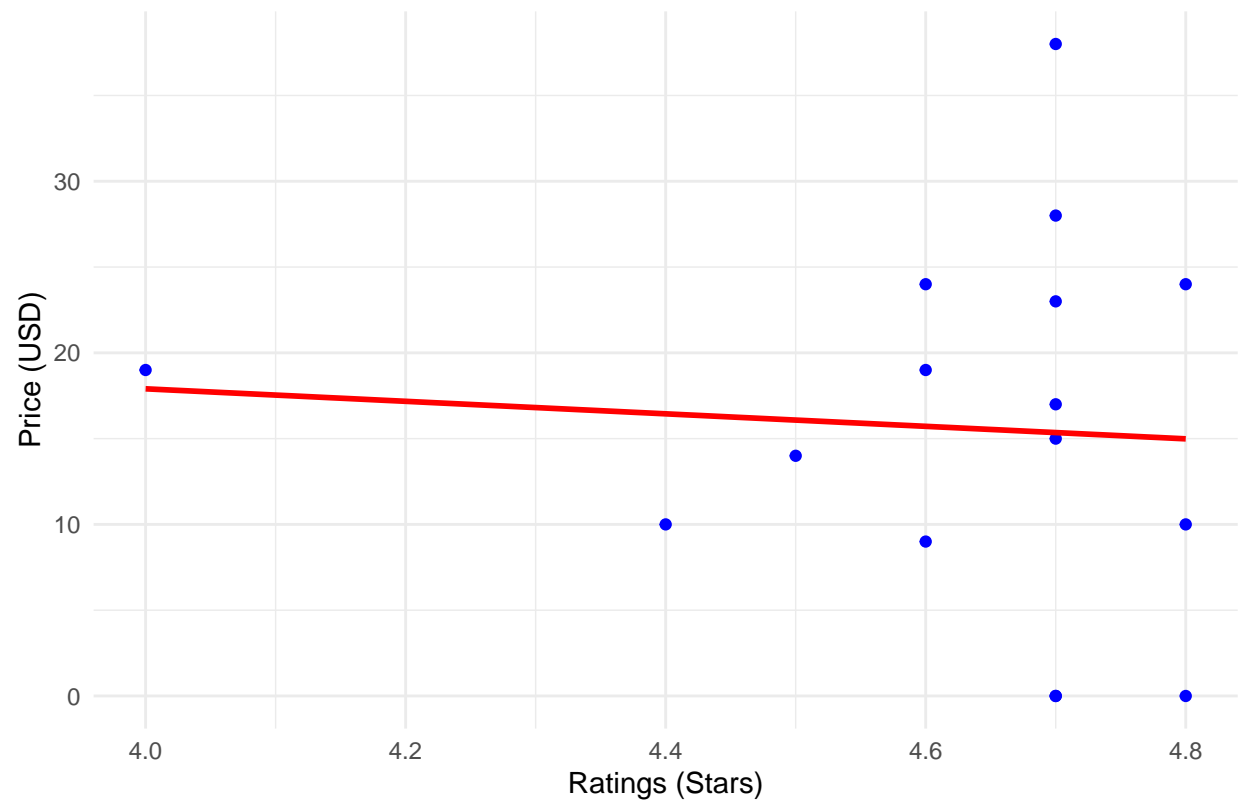
### Plot price vs ratings

```
## `geom_smooth()` using formula = 'y ~ x'
```



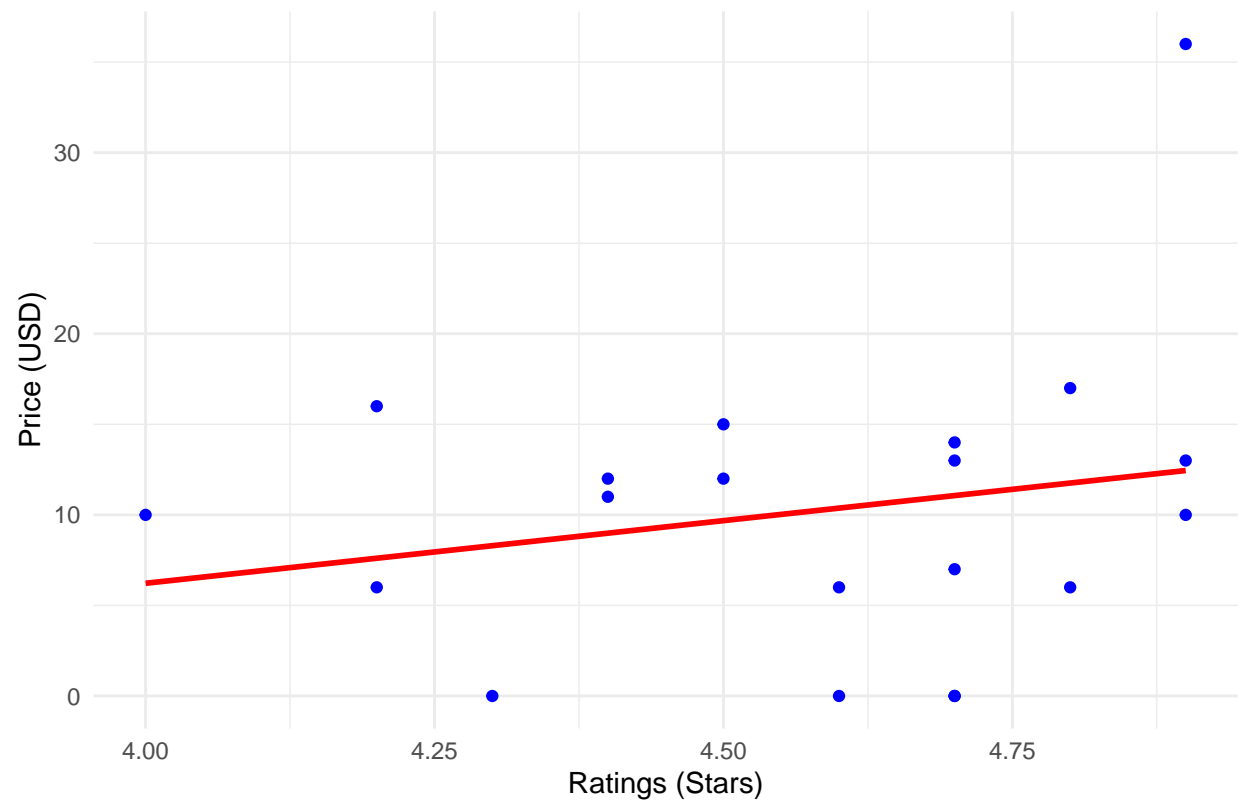
```
## `geom_smooth()` using formula = 'y ~ x'
```

Price vs Ratings for Books

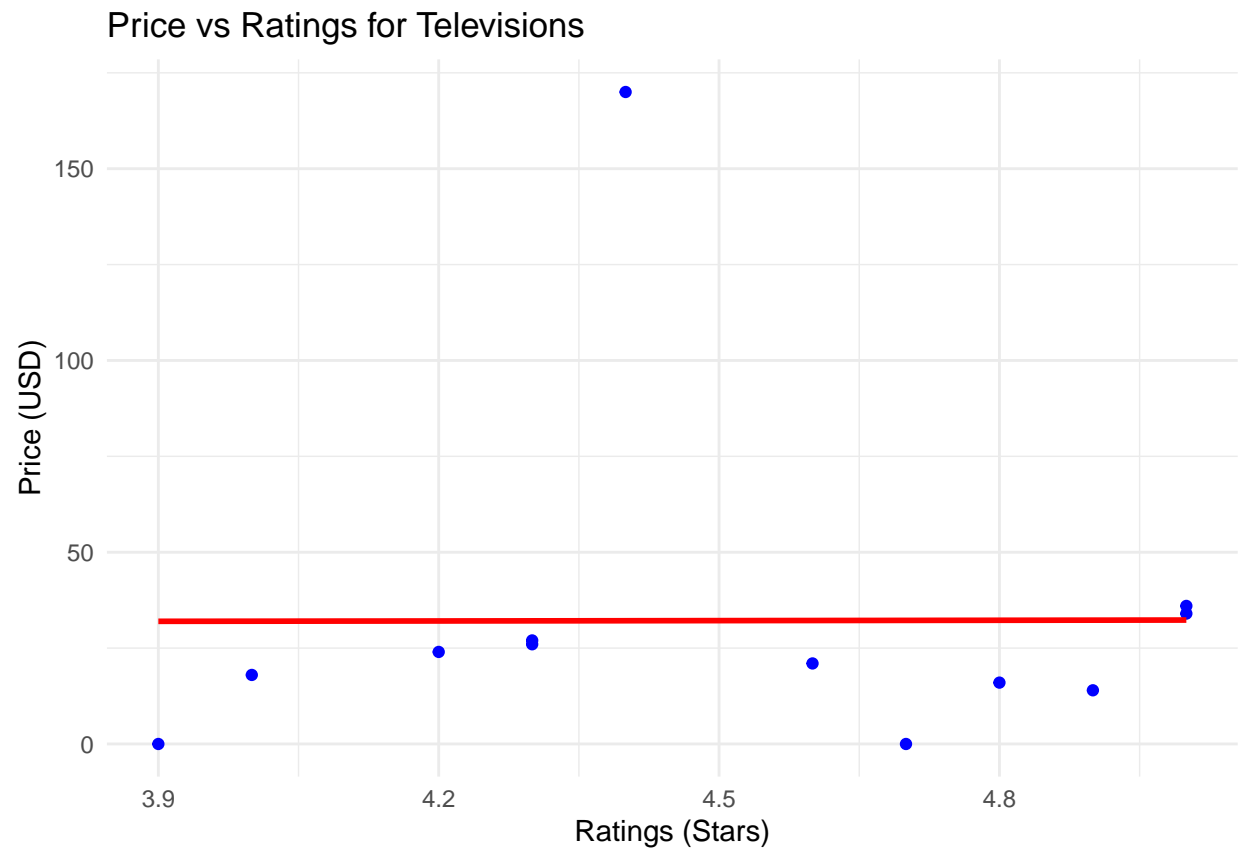


```
## `geom_smooth()` using formula = 'y ~ x'
```

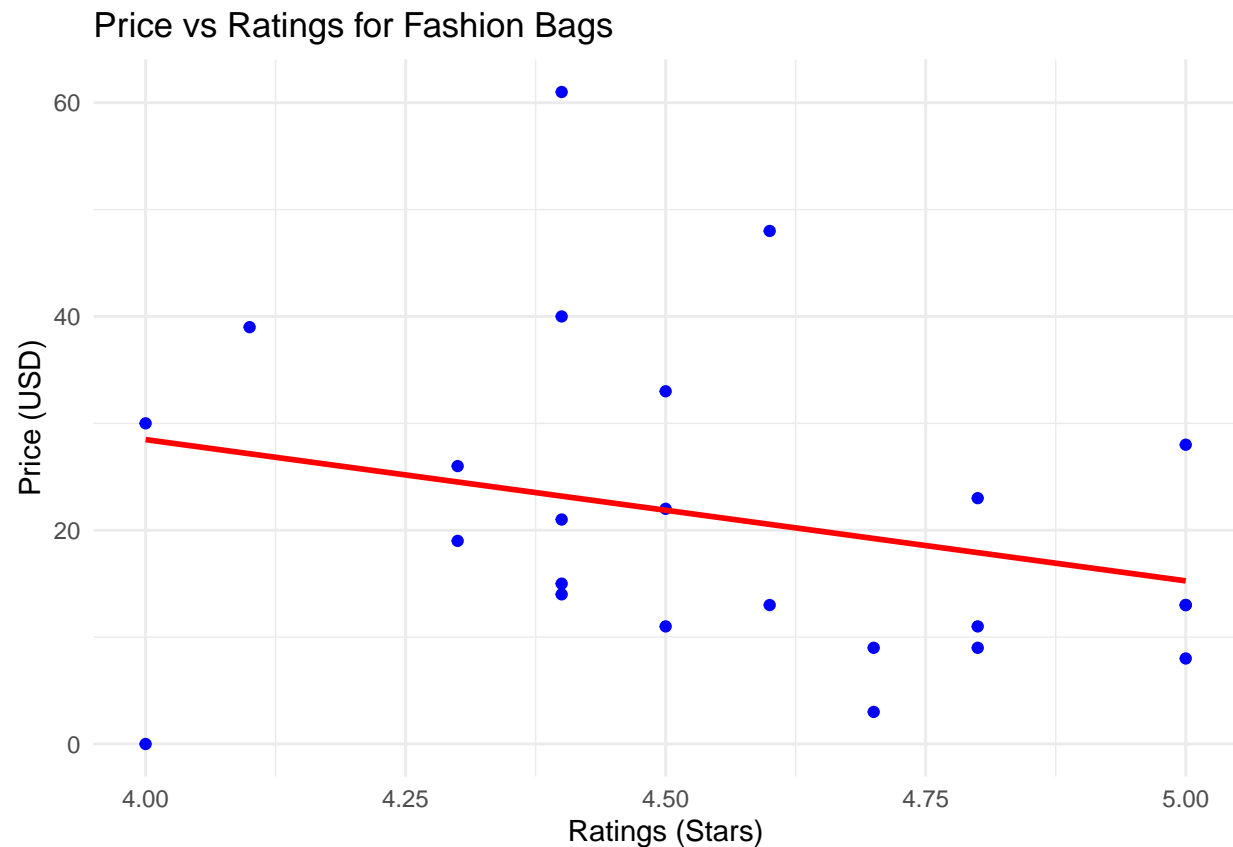
Price vs Ratings for Shoes



```
## `geom_smooth()` using formula = 'y ~ x'
```



```
## `geom_smooth()` using formula = 'y ~ x'
```



```
# 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))
}
```

```
##
## Top 5 Products in Laptops
##
## 1 HP Lastest 255 G10 15.6" FHD Business Laptop
## 2 15.6 FHD Laptop, Win 11 Laptop Intel 12th Gen N100(Beat i3 1115G4), 16GB RAM 1TB SSD, WiFi 6, BT5.2
## 3 Apple 2024 MacBook Air 13-inch Laptop with M3 chip: Built for Apple Intelligence, 13.6-inch L
## 4 acer Gateway Chromebook 311 CB0311-1H-C1MX Laptop | Intel Celeron N4500 | 1
## 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 2
```

```

## 3    999    4.6 2.799928e+19    3
## 4    145    4.5 1.900000e+01    4
## 5    399    4.5             NA    5
##
## Top 5 Products in Books
##
## 1 Little Corner: Coloring Book for Adults and Teens, Super Cute Designs of Cozy, Hygge Spaces for Re
## 2                                     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                                     F
##   Price Ratings Reviews Rank
## 1     0     4.8    279     1
## 2    10     4.8     NA     2
## 3    24     4.8     NA     3
## 4     0     4.7     33     4
## 5     0     4.7     NA     5
##
## Top 5 Products in Shoes
##
## 1 Red Lace, Yellow Lace: A Board/Picture Book For Kids About Learning to Tie Shoes and the Importance
## 2
## 3
## 4
## 5
##   Price Ratings      Reviews Rank
## 1    10     4.9 1.658166e+15     1
## 2    13     4.9           NA     2
## 3    36     4.9           NA     3
## 4     6     4.8           NA     4
## 5    17     4.8 1.239200e+04     5
##
## Top 5 Products in Televisions
##
## 1                                     The Big Story: The Oral History of L
## 2                 3... 2...1... We're on the Air: An Inside Look at Sports Television, Journalis
## 3                 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
## 5                 FILM/TV DIRECTOR'S FIELD MANUAL: Seventy Maxims
##   Price Ratings Reviews Rank
## 1    34     5.0 14991499     1
## 2    36     5.0       NA     2
## 3    14     4.9     759     3
## 4    16     4.8 20252025     4
## 5     0     4.7     29     5
##
## Top 5 Products in Fashion Bags
##
## 1           XiaoyuFashion Purses and Handbags for Women Ladies Crossbody Bags Top Handle Sa
## 2           Patchwork Quilted Bags: Totes, Purses and Accessories by L
## 3
## 4                                     Fashion Bags
## 5 Build a Bag Book: Tote Bags (paperback edition): Sew 15 stunning projects and endless variations
##   Price Ratings      Reviews Rank

```



## 1	8	5.0	NA	1
## 2	13	5.0	NA	2
## 3	13	5.0	1.634000e+03	3
## 4	28	5.0	3.993994e+13	4
## 5	9	4.8	NA	5