

MAssignment1

Abhishek_Sau

01/02/2021

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

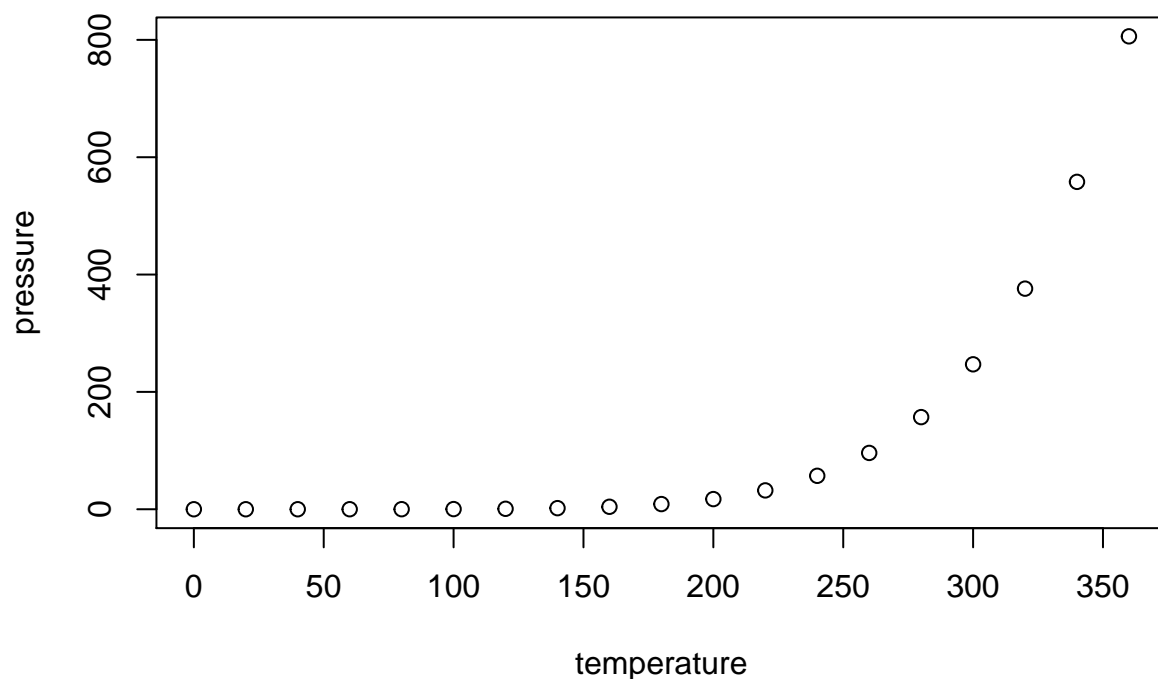
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
## 1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##  Mean   :15.4    Mean    : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.    :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

```
##Best seller with Categories** Dataset borrowed from **Kaggle.com**
```

```
#Importing data to R
```

```
setwd("D:\\Study\\Datasets")
```

```
best_seller_data=read.csv("bestsellers with categories.csv")
```

```
best_seller_data
```

```
##
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## 1
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## 15
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12 Rules for
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5,000 Awesome Facts (About Everything!)
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A Dance with Dragon
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A Game of Thrones / A Clash of Kings / A Storm of Swords / A Feast of C
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A G
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A Higher Loyalty: '
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A Patriot's History of the United States: From Columbus's Great Dis
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A Wrin
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```
Act Like a Lady, Think Like a Man: What Men Really Think About Love, Relationship
```

16 Adult Coloring Book Designs: Stress Relief Coloring Book: Garden Designs, Mandalas, An
 ## 17 Adult Coloring Book: Stress
 ## 18 Adult Coloring Book
 ## 19 Adult Coloring Books: A Coloring Book for Adults Featuring Mandalas and Henna Inspired Flower
 ## 20
 ## 21
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 ## 23
 ## 24 American Sniper: The Autobiography of the Most Lethal Snip
 ## 25
 ## 26 Arguing with Idiots: How to Stop Sm
 ## 27 Astroph
 ## 28 Autobiog
 ## 29 Ba
 ## 30 Balance (Angi
 ## 31 Barefoot Contessa Foolproof: Recipe
 ## 32 Barefoot Contessa, How Easy Is That?: F
 ## 33
 ## 34
 ## 35 Being Mortal: Medicine a
 ## 36
 ## 37
 ## 38
 ## 39 Breaking Dawn
 ## 40 Broke: The Plan to Restore Our
 ## 41 Brown Bear, B
 ## 42 Brown Bear, B
 ## 43 Cabin Fever (Di
 ## 44 Calm the F*ck Down: An Irreverent Adult Coloring Bo
 ## 45 Can't Hurt Me: Master
 ## 46 Capital
 ## 47 Catch
 ## 48 Catch
 ## 49 Catch
 ## 50 Cravings: Recipes for All the Food
 ## 51 Crazy Love: Over
 ## 52 Crazy Love: Over
 ## 53 Crazy Love: Over
 ## 54 Crazy Rich Asians
 ## 55 Creative Haven Creative Cats Col
 ## 56 Creative Haven Owls Col
 ## 57
 ## 58
 ## 59 Daring Greatly: How the Courage to Be Vulnerable Transforms the Way We L
 ## 60 David and Goliath: Underdogs, Misfits, and
 ## 61 Dead And Gone: A Sookie Stackhouse Novel (So
 ## 62 Dead in the Family (Sookie Stack
 ## 63 Dead Reckoning (Sookie Stack
 ## 64 Dea
 ## 65 Dea
 ## 66 Dea
 ## 67 Dea
 ## 68
 ## 69 Delivering Happiness: A Path to Pro

70 Diagnostic and Statistical Manual of Mental Dis
 ## 71 Diagnostic and Statistical Manual of Mental Dis
 ## 72 Diary of a W
 ## 73 Diary of a Wimpy K
 ## 74 Diary of
 ## 75 Difficult Riddles For Smart Kids: 300 Difficult Riddles And Brain Teasers Families Will
 ## 76
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 ## 78
 ## 79 Divine Soul Mind Body Healing and Transmission System: The Divine Way to Heal You, Humanity
 ## 80
 ## 81 Dog Days (Diary of a Win
 ## 82 Dog Man and Cat Kid: From the Creator of Capt
 ## 83 Dog Man: A Tale of Two Kitties: From the Creator of Capt
 ## 84 Dog Man: Brawl of the Wild: From the Creator of Capt
 ## 85 Dog Man: Brawl of the Wild: From the Creator of Capt
 ## 86 Dog Man: Fetch-22: From the Creator of Capt
 ## 87 Dog Man: For Whom the Ball Rolls: From the Creator of Capt
 ## 88 Dog Man: Lord of the Fleas: From the Creator of Capt
 ## 89 Double Down
 ## 90 Dover Creative Haven Art Nouveau Animal Designs Coloring Book (Cre
 ## 91 Drive: The Surprising Tr
 ## 92 Eat This Not That! Supermarket Survival Guide: The Ne
 ## 93 Eat This, Not That! Thousands of Simple Food Swaps that Can Save You
 ## 94 Eat to Live: The Amazing Nutrient-Rich Program for Fast and Sustained We
 ## 95 Eat to Live: The Amazing Nutrient-Rich Program for Fast and Sustained We
 ## 96
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 ## 99
 ## 100 Enchanted Forest: An Inky Quest and Coloring book (Activity Books, Mindfulness and Meditation, I
 ## 101
 ## 102
 ## 103 Fantastic Beasts and Where to Find Them: The Original
 ## 104 Fear
 ## 105
 ## 106 Fifty Shades Freed: Book Three of the Fifty Shades Trilogy (Fifty Shades of Grey
 ## 107 Fifty Shades of Grey: Book One of the Fifty Shades Trilogy (F
 ## 108 Fifty Shades of Grey: Book One of the Fifty Shades Trilogy (F
 ## 109 Fifty Shades Trilogy (Fifty Shades of Grey / Fifty Shades Da
 ## 110 Fire and Fury: In
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 ## 116 Foo
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 ## 118 Game Change: Obama and the Clintons, McCain and Palin,
 ## 119 Game of Thrones Boxed Set: A Game of Thrones/A Clash of Kings/A Storm o
 ## 120 Game of Thrones Boxed Set: A Game of Thrones/A Clash of Kings/A Storm o
 ## 121 Game of Thrones Boxed Set: A Game of Thrones/A Clash of Kings/A Storm o
 ## 122 George
 ## 123 George Washington's Secret Six: The Spy Ring That Sa

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 ## 129 Girl, Stop Apologizing: A Shame-Free Plan for Embracing Imperfections
 ## 130 Girl, Wash Your Face: Stop Believing the Lies About Who You Are So You Can Become
 ## 131 Girl, Wash Your Face: Stop Believing the Lies About Who You Are So You Can Become
 ## 132 Glenn Beck's Common Sense: The Case Against an Out-of-Control Government
 ## 133
 ## 134
 ## 135 Go
 ## 136
 ## 137
 ## 138
 ## 139 Good Days Start With Gratitude: A 52 Week Guide To Cultivate An Attitude Of Gratitude
 ## 140 Good to Great: Why Some Companies Make the Leap...And Others Don't
 ## 141 Good to Great: Why Some Companies Make the Leap...And Others Don't
 ## 142 Good to Great: Why Some Companies Make the Leap...And Others Don't
 ## 143 Good to Great: Why Some Companies Make the Leap...And Others Don't
 ## 144
 ## 145
 ## 146
 ## 147 Goodnight, Goodnight Construction Site (Hardcover Books for Toddlers)
 ## 148 Goodnight, Goodnight Construction Site (Hardcover Books for Toddlers)
 ## 149 Grain Brain: The Surprising Truth about Wheat, Carbs, and Sugar--How
 ## 150 Grey: Fifty Shades of Grey as Told by Christian (Fiction)
 ## 151
 ## 152
 ## 153 Happy, Happy, Happy: My Life and Love
 ## 154 Harry Potter and the Chamber of Secrets: The Illustrated Edition
 ## 155 Harry Potter and the Cursed Child, Parts 1 & 2, Special Edition
 ## 156 Harry Potter and the Goblet of Fire: The Illustrated Edition
 ## 157 Harry Potter and the Prisoner of Azkaban: The Illustrated Edition
 ## 158 Harry Potter and the Sorcerer's Stone: The Illustrated Edition
 ## 159
 ## 160 Harry Potter Paperbacks
 ## 161 Have a Little Faith
 ## 162 Heaven is for Real: A Little Boy's Astounding Story of Heaven
 ## 163 Heaven is for Real: A Little Boy's Astounding Story of Heaven
 ## 164 Hillbilly Elegy: A Memoir of a Family and the Struggle in America
 ## 165 Hillbilly Elegy: A Memoir of a Family and the Struggle in America
 ## 166 Homebody: A Guide to Creating Spaces You Don't Have to Leave
 ## 167 How to Win Friends and Influence People
 ## 168 How to Win Friends and Influence People
 ## 169 How to Win Friends and Influence People
 ## 170 How to Win Friends and Influence People
 ## 171 How to Win Friends and Influence People
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 ## 175 H
 ## 176 Hyperbole and a Half: Unfortunate Situations, Flawed Coping Mechanisms, Mayhem, and
 ## 177 I Am Confident, Brave & Beautiful

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 ## 182 In the Garden of Beasts: Love, Terror, and an American
 ## 183
 ## 184 Inheritance: L
 ## 185 Instant Pot Pressure Cooker Cookbook: 500 Everyday Recipes for Beginners and Advanced Use
 ## 186 Instant Pot Pressure Cooker Cookbook: 500 Everyday Recipes for Beginners and Advanced Use
 ## 187 It's Not Supposed to Be This Way: Finding Unexpected Strength When Disappoi
 ## 188 Jesus Calling: Enjoying Peace in His Presence
 ## 189 Jesus Calling: Enjoying Peace in His Presence
 ## 190 Jesus Calling: Enjoying Peace in His Presence
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 ## 192 Jesus Calling: Enjoying Peace in His Presence
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 ## 196 Killers of the Flower Moon: The Osage Murde
 ## 197 Killing Jesus (Bill
 ## 198 Killing L
 ## 199 Killing Lincoln: The Shocking Assassination that Changed America Forever (Bill
 ## 200 Killing Lincoln: The Shocking Assassination that Changed America Forever (Bill
 ## 201 Killing Patton: The Strange Death of World War II's Most Audacious General (Bill
 ## 202 Killing Reagan: The Violent Assault That Changed a Presidency (Bill
 ## 203 Killing the Rising Sun: How America Vanquished World War II Japan (Bill
 ## 204 Kitchen Confidential Updated Edition: Adventures in the
 ## 205
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 ## 208 Last Week Tonight with John Oliver Presents A Day in the Life of Marlon Bundo (Better Bundo B
 ## 209 Lat
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 ## 214 Lean In: Women,
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 ## 216 Lettering and Modern Calligraphy: A Beginner's Guide: Learn Hand Le
 ## 217 Liberty and Tyranny
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 ## 223 Love Wins: A Book About Heaven, Hell, and the Fate of L
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 ## 226 Magnolia Table: A Collecti
 ## 227 Make It Ahead: A
 ## 228 Make Your Bed: Little Things That Can Change Your
 ## 229 Mastering the Ar
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## 233	Milk and Vine: Inspirational
## 234	Mindset: The
## 235	Mindset: The
## 236	Mindset: The
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## 238	Mo
## 239	Mo
## 240	National Geographic Kids Why?: Over
## 241	National Geographic Little Kids First Big Book of Why (National Geographic L
## 242	N
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## 244	No Easy Day: The Autobiography of a Navy Seal: The Firsthand Account of the Mission
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## 254	Old School
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## 256	One Thousand Gifts: A Dare to Live
## 257	One Thousand Gifts: A Dare to Live
## 258	Option B: Facing Adversity, Building
## 259	Origin
## 260	
## 261	Out:
## 262	Out:
## 263	P is for Potty! (Ses
## 264	P is for Potty! (Ses
## 265	Percy Jackson and the Olympians Paper
## 266	Player's Har
## 267	Player's Har
## 268	Player's Har
## 269	Pokémon Deluxe Essential Handbook: The Need-to-Know Stats and
## 270	Proof of Heaven: A Neurosurgeon's
## 271	Proof of Heaven: A Neurosurgeon's
## 272	Publication Manual of the American Psychologica
## 273	Publication Manual of the American Psychologica
## 274	Publication Manual of the American Psychologica
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## 278	Publication Manual of the American Psychologica
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## 280	Publication Manual of the American Psychologica
## 281	Publication Manual of the American Psychologica
## 282	Puppy Birthday to You! (Paw Pa
## 283	Quiet: The Power of Introverts in a Wo
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## 285	Radical: Taking Back Your Fa

286 Radical: Taking Back Your Fa
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 ## 289 Rush Revere and the Brave Pilgrims: Time-Travel Adventures with
 ## 290 Rush Revere and the First Patriots: Time-Travel Adventures With
 ## 291 Salt, Fat, Acid, Heat: Mastering the
 ## 292 Salt, Fat, Acid, Heat: Mastering the
 ## 293
 ## 294 School Zone - Big Preschool Workbook - Ages 4 and Up, Colors, Shapes, Numbers 1-10, Alphabet, 1
 ## 295 School Zone - Big Preschool Workbook - Ages 4 and Up, Colors, Shapes, Numbers 1-10, Alphabet, 1
 ## 296 Secret Garden: An Inky Treasure Hunt and Coloring Book (For Adults)
 ## 297
 ## 298 Ship of Fools: How a Selfish Ruling Class Is Bringing America from the Land of
 ## 299 Shred: The Revolutionary Diet
 ## 300
 ## 301 Soul Healing Miracles: Ancient and New Sacred Wisdom, Knowledge, and Practical Techniques for
 ## 302
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 ## 304 Strange Planet
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 ## 314 Super Freakonomics: Global Cooling, Patriotic Prostitutes, and Why Suicide Bombers
 ## 315 Switch: How to Change Habits and Master Your Time
 ## 316 S
 ## 317 Teach Like a Champion: 49 Techniques that Put Students on Task
 ## 318 Teach Like a Champion: 49 Techniques that Put Students on Task
 ## 319 The 17 Day Diet: A Doctor's Plan for Rapid Fat Loss
 ## 320 The 4 Hour Body: An Uncommon Guide to Rapid Fat Loss, Incredible Strength, and
 ## 321 The 5 Love Languages: The Five Ways We Express Love and the Five Ways We Best
 ## 322 The 5 Love Languages: The Five Ways We Express Love and the Five Ways We Best
 ## 323 The 5 Love Languages: The Five Ways We Express Love and the Five Ways We Best
 ## 324 The 5 Love Languages: The Five Ways We Express Love and the Five Ways We Best
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 ## 332 The 7 Habits of Highly Effective People: Powerful Habits to Change Your Life
 ## 333 The 7 Habits of Highly Effective People: Powerful Habits to Change Your Life
 ## 334 The 7 Habits of Highly Effective People: Powerful Habits to Change Your Life
 ## 335 The 7 Habits of Highly Effective People: Powerful Habits to Change Your Life
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 ## 341 The Art of L
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 ## 343 The Big Short: L
 ## 344 The Blood of Olympus
 ## 345 The Blood Sugar Solution: The UltraHealthy Program for Losing Weight, Preventing Disease
 ## 346 The Body Keeps the Score: Brain, Mind, and Body
 ## 347 The Book of Basketball: The NBA
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 ## 352 The Boys in the Boat: Nine Americans and Their Epic Quest for Gold
 ## 353 The Boys in the Boat: Nine Americans and Their Epic Quest for Gold
 ## 354
 ## 355 The China Study: The Most Comprehensive Study of Nutrition Ever Conducted And the Startling
 ## 356 The Complete Ketogenic Diet for Beginners: Your Essential Guide to
 ## 357 The Complete Ketogenic Diet for Beginners: Your Essential Guide to
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 ## 359 The Consti
 ## 360 The Daily Show with Jon Stewart Presents Earth (The Book): A Visitor
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 ## 364 The Dukan Diet: 2 Steps to Lose the Weight, 2 Steps to
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 ## 370 The Five Dysfunctions of
 ## 371 The Five Dysfunctions of
 ## 372 The Five Dysfunctions of
 ## 373 The Five Dysfunctions of
 ## 374 The Five Dysfunctions of
 ## 375 The Five Love Languages: How to Express Heartfelt
 ## 376 The Four Agreements: A Practical Guide to Personal Freedom
 ## 377 The Four Agreements: A Practical Guide to Personal Freedom
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 ## 379 The Four Agreements: A Practical Guide to Personal Freedom
 ## 380 The Four Agreements: A Practical Guide to Personal Freedom
 ## 381 The Four Agreements: A Practical Guide to Personal Freedom
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 ## 385 The Girl Who Kicked the Hornet's
 ## 386 The Girl Who Kicked the Hornet's
 ## 387 The Girl Who Played with
 ## 388 The Girl Who Played with
 ## 389 The Girl with the Dragon
 ## 390 The Girl with the Dragon
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 ## 393 The Goldfinch: A Novel (

394 The Goldfinch: A Novel (L
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 ## 399 The Guernsey Literary &
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 ## 401 The Harbinger: The Ancient Mystery that Holds the
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 ## 416 The Instant Pot Electric Pressure Cooker Cookbook: Easy Recipes
 ## 417 The Instant Pot Electric Pressure Cooker Cookbook: Easy Recipes
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 ## 419 The Last Olympian (Percy Jackson)
 ## 420 The Last Olympian (Percy Jackson)
 ## 421 The Legend
 ## 422 The Lego Ideas Bo
 ## 423 The Lego Ideas Bo
 ## 424 The Life-Changing Magic of Tidying Up: The Japanese Art of M
 ## 425 The Life-Changing Magic of Tidying Up: The Japanese Art of M
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 ## 429 The Lost Hero
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 ## 433 The Mark of Athena
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 ## 436 The Meltdown (Di
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 ## 445 The Official SAT Study Guide, 2016 Edition (Official S
 ## 446
 ## 447 The Pioneer Woman Cooks: A Year of Holidays: 140 Step-by-Step Recipes for Simple

448 The Pioneer Woman Cooks: Dinnertime - Comfort Classics, Freezer Food, 16-minute Meals, and Other
 ## 449 The Pioneer Woman C
 ## 450 The Plant Paradox Cookbook: 100 Delicious Recipes to Help You Lose Weight, Heal Your
 ## 451 The Plant Paradox: The Hidden Dangers in "Healthy" Foods That Ca
 ## 452
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 ## 454 The Power of Habit: Why We Do What
 ## 455 The Pro
 ## 456
 ## 457 The Red Pyramid (T
 ## 458 The Road to Serfdom: Text and Documents--The Definitive Edition (The Collected Work
 ## 459 The Serpent's Shadow (T
 ## 460 The Shack: Where
 ## 461 The Shack: Where
 ## 462 The Short Second Life of Bree Tanner: An Eclipse
 ## 463
 ## 464 The Son of Neptune
 ## 465 The Subtle Art of Not Giving a F*ck: A Counterintuitive App
 ## 466 The Subtle Art of Not Giving a F*ck: A Counterintuitive App
 ## 467 The Subtle Art of Not Giving a F*ck: A Counterintuitive App
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 ## 469 The Third Wheel (Di
 ## 470 The Throne of Fire (T
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 ## 472 The Tipping Point: How Little Things
 ## 473 The Total Money Makeover: Classic Edition: A Proven
 ## 474 T
 ## 475 The Ugly Truth (Di
 ## 476 The Unofficial Harry Potter Cookbook: From Cauldron Cakes to Knickerbocker Glory--More Than
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 ## 484 The Whole30: The 30-Day Guide to To
 ## 485 The Whole30: The 30-Day Guide to To
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 ## 494 Things That Matter: Three Decades of Passions, Pastimes
 ## 495
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 ## 498 Thomas
 ## 499 Three Cups of Tea: One Man's Mission to Promote P
 ## 500 Three Cups of Tea: One Man's Mission to Promote P
 ## 501 Thug Kitchen: The Official Cookbook: Eat Like You Give a F*

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## 502                               Thug Kitchen: The Official Cookbook: Eat Like You Give a F*
## 503                               Thug Kitchen: The Official Cookbook: Eat Like You Give a F*
## 504                               Thug Kitchen: The Official Cookbook: Eat Like You Give a F*
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## 511                               Tools of Titans: The Tactics, Routines, and Habits of Billionaires, Icons,
## 512                               Towers of Midnight (Wh
## 513
## 514                               Twilight
## 515                               Ultimate Sticker Book: Frozen: More Than 60 R
## 516                               Unbroken: A World War II Story of Survival,
## 517                               Unbroken: A World War II Story of Survival,
## 518                               Unbroken: A World War II Story of Survival,
## 519                               Unbroken: A World War II Story of Survival,
## 520                               Unbroken: A World War II Story of Survival,
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## 523                               Unicorn Coloring Book: For Kids Ages 4-8 (US Edition)
## 524                               Uninvited: Living Loved When You Feel Less
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## 526                               W
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## 528                               What If?: Serious Scientific Answers to Abs
## 529                               What Pet Sho
## 530                               What Should Danny Do? ('
## 531                               What to E
## 532                               Wheat Belly: Lose the Wheat, Lose the Weight, and Fir
## 533                               Wheat Belly: Lose the Wheat, Lose the Weight, and Fir
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## 537                               Whose Boat Is This Boat?: Comments That Don't Help in t
## 538                               Wild: From Lost to Found
## 539                               Winter of the World: Book
## 540                               Women Food and God: An Unexpected
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## 546                               Wrecking Ball (Di
## 547                               You Are a Badass: How to Stop Doubting Your Greatness and S
## 548                               You Are a Badass: How to Stop Doubting Your Greatness and S
## 549                               You Are a Badass: How to Stop Doubting Your Greatness and S
## 550                               You Are a Badass: How to Stop Doubting Your Greatness and S
##
##                               Author User.Rating Reviews Price Year
## 1                               JJ Smith          4.7   17350     8 2016
## 2                               Stephen King       4.6    2052    22 2011
## 3                               Jordan B. Peterson 4.7   18979    15 2018
## 4                               George Orwell    4.7   21424     6 2017

```

## 5	National Geographic Kids	4.8	7665	12	2019
## 6	George R. R. Martin	4.4	12643	11	2011
## 7	George R. R. Martin	4.7	19735	30	2014
## 8	Amor Towles	4.7	19699	15	2017
## 9	James Comey	4.7	5983	3	2018
## 10	Fredrik Backman	4.6	23848	8	2016
## 11	Fredrik Backman	4.6	23848	8	2017
## 12	Larry Schweikart	4.6	460	2	2010
## 13	Jaycee Dugard	4.6	4149	32	2011
## 14	Madeleine L'Engle	4.5	5153	5	2018
## 15	Steve Harvey	4.6	5013	17	2009
## 16	Adult Coloring Book Designs	4.5	2313	4	2016
## 17	Blue Star Coloring	4.6	2925	6	2015
## 18	Blue Star Coloring	4.4	2951	6	2015
## 19	Coloring Books for Adults	4.5	2426	8	2015
## 20	Ron Chernow	4.8	9198	13	2016
## 21	Anthony Doerr	4.6	36348	14	2014
## 22	Anthony Doerr	4.6	36348	14	2015
## 23	Veronica Roth	3.9	6310	13	2013
## 24	Chris Kyle	4.6	15921	9	2015
## 25	Khaled Hosseini	4.3	12159	13	2013
## 26	Glenn Beck	4.6	798	5	2009
## 27	Neil deGrasse Tyson	4.7	9374	9	2017
## 28	Mark Twain	4.2	491	14	2010
## 29	DK	4.6	5360	5	2015
## 30	Angie Grace	4.6	1909	11	2015
## 31	Ina Garten	4.8	1296	24	2012
## 32	Ina Garten	4.7	615	21	2010
## 33	Michelle Obama	4.8	61133	11	2018
## 34	Michelle Obama	4.8	61133	11	2019
## 35	Atul Gawande	4.8	11113	15	2015
## 36	Ta-Nehisi Coates	4.7	10070	13	2015
## 37	Ta-Nehisi Coates	4.7	10070	13	2016
## 38	Bruce Springsteen	4.7	3729	18	2016
## 39	Stephenie Meyer	4.6	9769	13	2009
## 40	Glenn Beck	4.5	471	8	2010
## 41	Bill Martin Jr.	4.9	14344	5	2017
## 42	Bill Martin Jr.	4.9	14344	5	2019
## 43	Jeff Kinney	4.8	4505	0	2011
## 44	Sasha O'Hara	4.6	10369	4	2016
## 45	David Goggins	4.8	16244	18	2019
## 46	Thomas Piketty	4.5	2884	28	2014
## 47	Suzanne Collins	4.7	22614	11	2010
## 48	Suzanne Collins	4.7	22614	11	2011
## 49	Suzanne Collins	4.7	22614	11	2012
## 50	Chrissy Teigen	4.7	4761	16	2016
## 51	Francis Chan	4.7	1542	14	2009
## 52	Francis Chan	4.7	1542	14	2010
## 53	Francis Chan	4.7	1542	14	2011
## 54	Kevin Kwan	4.3	6143	8	2018
## 55	Marjorie Sarnat	4.8	4022	4	2015
## 56	Marjorie Sarnat	4.8	3871	5	2015
## 57	Abraham Verghese	4.6	4866	11	2010
## 58	Abraham Verghese	4.6	4866	11	2011

## 59	Breneï\201 Brown	4.8	1329	10 2013
## 60	Malcolm Gladwell	4.4	4642	13 2013
## 61	Charlaine Harris	4.6	1541	4 2009
## 62	Charlaine Harris	4.3	1924	8 2010
## 63	Charlaine Harris	4.2	2094	4 2011
## 64	Rod Campbell	4.8	10922	5 2015
## 65	Rod Campbell	4.8	10922	5 2016
## 66	Rod Campbell	4.8	10922	5 2017
## 67	Rod Campbell	4.8	10922	5 2018
## 68	George W. Bush	4.6	2137	17 2010
## 69	Tony Hsieh	4.6	1651	15 2010
## 70	American Psychiatric Association	4.5	6679	105 2013
## 71	American Psychiatric Association	4.5	6679	105 2014
## 72	Jeff Kinney	4.8	6812	0 2013
## 73	Jeff Kinney	4.8	3837	15 2009
## 74	Jeff Kinney	4.8	6540	22 2014
## 75	M Prefontaine	4.6	7955	5 2019
## 76	Veronica Roth	4.6	27098	15 2013
## 77	Veronica Roth	4.6	27098	15 2014
## 78	Veronica Roth	4.5	17684	6 2014
## 79	Zhi Gang Sha	4.6	37	6 2009
## 80	Stephen King	4.7	15845	13 2013
## 81	Jeff Kinney	4.8	3181	12 2009
## 82	Dav Pilkey	4.9	5062	6 2018
## 83	Dav Pilkey	4.9	4786	8 2017
## 84	Dav Pilkey	4.9	7235	4 2018
## 85	Dav Pilkey	4.9	7235	4 2019
## 86	Dav Pilkey	4.9	12619	8 2019
## 87	Dav Pilkey	4.9	9089	8 2019
## 88	Dav Pilkey	4.9	5470	6 2018
## 89	Jeff Kinney	4.8	5118	20 2016
## 90	Marty Noble	4.6	2134	5 2015
## 91	Daniel H. Pink	4.5	2525	16 2010
## 92	David Zirczenko	4.5	720	1 2009
## 93	David Zirczenko	4.3	956	14 2009
## 94	Joel Fuhrman MD	4.5	6346	9 2011
## 95	Joel Fuhrman MD	4.5	6346	9 2012
## 96	Stephenie Meyer	4.7	5505	7 2009
## 97	Stephenie Meyer	4.7	5505	18 2009
## 98	Tara Westover	4.7	28729	15 2018
## 99	Tara Westover	4.7	28729	15 2019
## 100	Johanna Basford	4.7	5413	9 2015
## 101	Ray Bradbury	4.6	10721	8 2016
## 102	Ray Bradbury	4.6	10721	8 2018
## 103	J.K. Rowling	4.7	4370	15 2016
## 104	Bob Woodward	4.4	6042	2 2018
## 105	E L James	4.4	23631	7 2012
## 106	E L James	4.5	20262	11 2012
## 107	E L James	3.8	47265	14 2012
## 108	E L James	3.8	47265	14 2013
## 109	E L James	4.5	13964	32 2012
## 110	Michael Wolff	4.2	13677	6 2018
## 111	Roger Priddy	4.7	17323	4 2014
## 112	Roger Priddy	4.7	17323	4 2015

## 113	Roger Priddy	4.7	17323	4	2016
## 114	Roger Priddy	4.7	17323	4	2017
## 115	Roger Priddy	4.7	17323	4	2018
## 116	Michael Pollan	4.4	1555	9	2010
## 117	RH Disney	4.7	3642	0	2014
## 118	John Heilemann	4.4	1215	9	2010
## 119	George R.R. Martin	4.6	5594	5	2011
## 120	George R.R. Martin	4.6	5594	5	2012
## 121	George R.R. Martin	4.6	5594	5	2013
## 122	Peter A. Lillback	4.5	408	20	2010
## 123	Brian Kilmeade	4.6	4799	16	2013
## 124	Giles Andreae	4.8	14038	4	2015
## 125	Giles Andreae	4.8	14038	4	2016
## 126	Giles Andreae	4.8	14038	4	2017
## 127	Giles Andreae	4.8	14038	4	2018
## 128	Giles Andreae	4.8	14038	4	2019
## 129	Rachel Hollis	4.6	7660	12	2019
## 130	Rachel Hollis	4.6	22288	12	2018
## 131	Rachel Hollis	4.6	22288	12	2019
## 132	Glenn Beck	4.6	1365	11	2009
## 133	Harper Lee	3.6	14982	19	2015
## 134	Adam Mansbach	4.8	9568	9	2011
## 135	Sarah Palin	4.6	1636	6	2009
## 136	Gillian Flynn	4.0	57271	10	2012
## 137	Gillian Flynn	4.0	57271	10	2013
## 138	Gillian Flynn	4.0	57271	9	2014
## 139	Pretty Simple Press	4.6	10141	6	2019
## 140	Jim Collins	4.5	3457	14	2009
## 141	Jim Collins	4.5	3457	14	2010
## 142	Jim Collins	4.5	3457	14	2011
## 143	Jim Collins	4.5	3457	14	2012
## 144	Margaret Wise Brown	4.8	8837	5	2017
## 145	Margaret Wise Brown	4.8	8837	5	2018
## 146	Margaret Wise Brown	4.8	8837	5	2019
## 147	Sherri Duskey Rinker	4.9	7038	7	2012
## 148	Sherri Duskey Rinker	4.9	7038	7	2013
## 149	David Perlmutter MD	4.6	5972	10	2014
## 150	E L James	4.4	25624	14	2015
## 151	Raina Telgemeier	4.8	5476	7	2019
## 152	Lin-Manuel Miranda	4.9	5867	54	2016
## 153	Phil Robertson	4.8	4148	11	2013
## 154	J.K. Rowling	4.9	19622	30	2016
## 155	J.K. Rowling	4.0	23973	12	2016
## 156	J. K. Rowling	4.9	7758	18	2019
## 157	J.K. Rowling	4.9	3146	30	2017
## 158	J.K. Rowling	4.9	10052	22	2016
## 159	Scholastic	4.7	3564	9	2015
## 160	J. K. Rowling	4.8	13471	52	2016
## 161	Mitch Albom	4.8	1930	4	2009
## 162	Todd Burpo	4.7	15779	10	2011
## 163	Todd Burpo	4.7	15779	10	2012
## 164	J. D. Vance	4.4	15526	14	2016
## 165	J. D. Vance	4.4	15526	14	2017
## 166	Joanna Gaines	4.8	3776	22	2018

## 167	Dale Carnegie	4.7	25001	11 2014
## 168	Dale Carnegie	4.7	25001	11 2015
## 169	Dale Carnegie	4.7	25001	11 2016
## 170	Dale Carnegie	4.7	25001	11 2017
## 171	Dale Carnegie	4.7	25001	11 2018
## 172	Howard Stern	4.3	5272	16 2019
## 173	Brandon Stanton	4.8	3490	15 2013
## 174	Brandon Stanton	4.8	3490	15 2014
## 175	Brandon Stanton	4.9	2812	17 2015
## 176	Allie Brosh	4.7	4896	17 2013
## 177	Hopscotch Girls	4.8	9737	7 2019
## 178	James Patterson	4.6	1320	7 2009
## 179	Ann Whitford Paul	4.8	16643	4 2017
## 180	Ann Whitford Paul	4.8	16643	4 2019
## 181	Gayle Forman	4.3	7153	9 2014
## 182	Eric Larson	4.4	4571	21 2011
## 183	Dan Brown	4.1	29651	14 2013
## 184	Christopher Paolini	4.6	5299	20 2011
## 185	Jennifer Smith	4.4	7396	13 2019
## 186	Jennifer Smith	4.4	7396	13 2018
## 187	Lysa TerKeurst	4.8	7062	12 2019
## 188	Sarah Young	4.9	19576	8 2011
## 189	Sarah Young	4.9	19576	8 2012
## 190	Sarah Young	4.9	19576	8 2013
## 191	Sarah Young	4.9	19576	8 2014
## 192	Sarah Young	4.9	19576	8 2015
## 193	Sarah Young	4.9	19576	8 2016
## 194	RH Disney	4.6	978	0 2014
## 195	Stephen King	4.5	4748	12 2013
## 196	David Grann	4.6	8393	17 2017
## 197	Bill O'Reilly	4.5	11391	12 2013
## 198	Bill O'Reilly	4.6	8634	25 2012
## 199	Bill O'Reilly	4.7	9342	10 2011
## 200	Bill O'Reilly	4.7	9342	10 2012
## 201	Bill O'Reilly	4.6	10927	6 2014
## 202	Bill O'Reilly	4.6	5235	5 2015
## 203	Bill O'Reilly	4.8	8916	6 2016
## 204	Anthony Bourdain	4.8	2507	8 2018
## 205	Rob Elliott	4.5	3673	4 2013
## 206	Rob Elliott	4.5	3673	4 2014
## 207	Rob Elliott	4.5	3673	4 2015
## 208	Jill Twiss	4.9	11881	13 2018
## 209	Rob Elliott	4.6	6990	4 2013
## 210	Rob Elliott	4.6	6990	4 2014
## 211	Rob Elliott	4.6	6990	4 2015
## 212	Rob Elliott	4.6	6990	4 2016
## 213	Rob Elliott	4.6	6990	4 2017
## 214	Sheryl Sandberg	4.5	6132	13 2013
## 215	Walter Isaacson	4.5	3014	21 2017
## 216	Paper Peony Press	4.4	7550	6 2018
## 217	Mark R. Levin	4.8	3828	15 2009
## 218	Keith Richards	4.5	2752	18 2010
## 219	Chris Cleave	4.1	1467	10 2010
## 220	Alice Schertle	4.9	1884	0 2014

## 221	Celeste Ng	4.5	25706	12	2018
## 222	John Green	4.5	8491	7	2014
## 223	Rob Bell	4.2	1649	13	2011
## 224	Robert Munsch	4.8	18613	5	2014
## 225	Robert Munsch	4.8	18613	5	2015
## 226	Joanna Gaines	4.8	9867	16	2018
## 227	Ina Garten	4.5	1386	20	2014
## 228	Admiral William H. McRaven	4.7	10199	11	2017
## 229	Julia Child	4.8	2926	27	2009
## 230	Rupi Kaur	4.7	17739	8	2016
## 231	Rupi Kaur	4.7	17739	8	2017
## 232	Rupi Kaur	4.7	17739	8	2018
## 233	Adam Gasiewski	4.4	3113	6	2017
## 234	Carol S. Dweck	4.6	5542	10	2014
## 235	Carol S. Dweck	4.6	5542	10	2015
## 236	Carol S. Dweck	4.6	5542	10	2016
## 237	Suzanne Collins	4.5	26741	8	2010
## 238	Suzanne Collins	4.5	26741	8	2011
## 239	Suzanne Collins	4.5	26741	8	2012
## 240	Crispin Boyer	4.8	5347	16	2019
## 241	Amy Shields	4.8	7866	11	2019
## 242	Stephenie Meyer	4.6	5680	10	2009
## 243	Elie Wiesel	4.7	5178	9	2016
## 244	Mark Owen	4.6	8093	14	2012
## 245	Pete Souza	4.9	3192	22	2017
## 246	Dr. Seuss	4.9	21834	8	2012
## 247	Dr. Seuss	4.9	21834	8	2013
## 248	Dr. Seuss	4.9	21834	8	2014
## 249	Dr. Seuss	4.9	21834	8	2015
## 250	Dr. Seuss	4.9	21834	8	2016
## 251	Dr. Seuss	4.9	21834	8	2017
## 252	Dr. Seuss	4.9	21834	8	2018
## 253	Dr. Seuss	4.9	21834	8	2019
## 254	Jeff Kinney	4.8	6169	7	2015
## 255	Elizabeth Strout	4.2	4519	12	2009
## 256	Ann Voskamp	4.6	3163	13	2011
## 257	Ann Voskamp	4.6	3163	13	2012
## 258	Sheryl Sandberg	4.5	1831	9	2017
## 259	Dan Brown	4.3	18904	13	2017
## 260	Christina Baker Kline	4.6	21930	11	2014
## 261	Malcolm Gladwell	4.6	10426	20	2009
## 262	Malcolm Gladwell	4.6	10426	20	2010
## 263	Naomi Kleinberg	4.7	10820	5	2018
## 264	Naomi Kleinberg	4.7	10820	5	2019
## 265	Rick Riordan	4.8	548	2	2010
## 266	Wizards RPG Team	4.8	16990	27	2017
## 267	Wizards RPG Team	4.8	16990	27	2018
## 268	Wizards RPG Team	4.8	16990	27	2019
## 269	Scholastic	4.7	3503	9	2016
## 270	Eben Alexander	4.3	13616	10	2012
## 271	Eben Alexander	4.3	13616	10	2013
## 272	American Psychological Association	4.5	8580	46	2009
## 273	American Psychological Association	4.5	8580	46	2010
## 274	American Psychological Association	4.5	8580	46	2011

## 275	American Psychological Association	4.5	8580	46	2012
## 276	American Psychological Association	4.5	8580	46	2013
## 277	American Psychological Association	4.5	8580	46	2014
## 278	American Psychological Association	4.5	8580	46	2015
## 279	American Psychological Association	4.5	8580	46	2016
## 280	American Psychological Association	4.5	8580	46	2017
## 281	American Psychological Association	4.5	8580	46	2018
## 282	Golden Books	4.8	4757	4	2017
## 283	Susan Cain	4.6	10009	20	2012
## 284	Susan Cain	4.6	10009	7	2013
## 285	David Platt	4.7	1985	9	2010
## 286	David Platt	4.7	1985	9	2011
## 287	Ernest Cline	4.6	22536	12	2017
## 288	Ernest Cline	4.6	22536	12	2018
## 289	Rush Limbaugh	4.9	7150	12	2013
## 290	Rush Limbaugh	4.9	3836	12	2014
## 291	Samin Nosrat	4.8	7802	20	2018
## 292	Samin Nosrat	4.8	7802	20	2019
## 293	Tatiana de Rosnay	4.6	3619	10	2010
## 294	School Zone	4.8	23047	6	2018
## 295	School Zone	4.8	23047	6	2019
## 296	Johanna Basford	4.7	9366	9	2015
## 297	Justin Halpern	4.7	1265	11	2010
## 298	Tucker Carlson	4.8	3923	16	2018
## 299	Ian K. Smith M.D.	4.1	2272	6	2013
## 300	Charlaine Harris	4.7	973	25	2009
## 301	Zhi Gang Sha	4.6	220	17	2013
## 302	Walter Isaacson	4.6	7827	20	2011
## 303	Walter Isaacson	4.6	7827	20	2012
## 304	Nathan W. Pyle	4.9	9382	6	2019
## 305	Gallup	4.0	5069	17	2009
## 306	Gallup	4.0	5069	17	2010
## 307	Gallup	4.0	5069	17	2011
## 308	Gallup	4.0	5069	17	2012
## 309	Gallup	4.0	5069	17	2013
## 310	Gallup	4.0	5069	17	2014
## 311	Gallup	4.0	5069	17	2015
## 312	Gallup	4.0	5069	17	2016
## 313	Gallup	4.0	5069	17	2017
## 314	Steven D. Levitt	4.5	1583	18	2009
## 315	Chip Heath	4.6	1907	13	2010
## 316	John Grisham	4.5	23114	18	2013
## 317	Doug Lemov	4.4	637	20	2010
## 318	Doug Lemov	4.4	637	20	2011
## 319	Mike Moreno	4.3	2314	22	2011
## 320	Timothy Ferriss	4.3	4587	21	2011
## 321	Gary Chapman	4.7	3477	28	2010
## 322	Gary Chapman	4.7	3477	28	2011
## 323	Gary Chapman	4.7	3477	28	2012
## 324	Gary Chapman	4.7	3477	28	2013
## 325	Gary Chapman	4.7	3477	28	2014
## 326	Gary Chapman	4.8	25554	8	2015
## 327	Gary Chapman	4.8	25554	8	2016
## 328	Gary Chapman	4.8	25554	8	2017

## 329	Gary Chapman	4.8	25554	8	2018
## 330	Gary Chapman	4.8	25554	8	2019
## 331	W. Cleon Skousen	4.8	1680	12	2009
## 332	Stephen R. Covey	4.6	9325	24	2009
## 333	Stephen R. Covey	4.6	9325	24	2011
## 334	Stephen R. Covey	4.6	9325	24	2012
## 335	Stephen R. Covey	4.6	9325	24	2013
## 336	Stephen R. Covey	4.7	4725	16	2015
## 337	Stephen R. Covey	4.7	4725	16	2016
## 338	Stephen R. Covey	4.7	4725	16	2017
## 339	Paulo Coelho	4.7	35799	39	2014
## 340	Edward Klein	4.6	2580	9	2012
## 341	Garth Stein	4.7	11813	10	2010
## 342	Garth Stein	4.7	11813	10	2011
## 343	Michael Lewis	4.7	3536	17	2010
## 344	Rick Riordan	4.8	6600	11	2014
## 345	Mark Hyman M.D.	4.2	1789	14	2012
## 346	Bessel van der Kolk M.D.	4.8	12361	12	2019
## 347	Bill Simmons	4.7	858	53	2009
## 348	Markus Zusak	4.6	23148	6	2013
## 349	Markus Zusak	4.6	23148	6	2014
## 350	B. J. Novak	4.8	8081	8	2014
## 351	B. J. Novak	4.8	8081	8	2015
## 352	Daniel James Brown	4.8	23358	12	2014
## 353	Daniel James Brown	4.8	23358	12	2015
## 354	J.K. Rowling	3.3	9372	12	2012
## 355	Thomas Campbell	4.7	4633	21	2011
## 356	Amy Ramos	4.3	13061	6	2018
## 357	Amy Ramos	4.3	13061	6	2019
## 358	John Grisham	4.3	3523	13	2010
## 359	Delegates of the ConstitutionalÂ...	4.8	2774	0	2016
## 360	Jon Stewart	4.4	440	11	2010
## 361	Drew Daywalt	4.8	8922	9	2013
## 362	Drew Daywalt	4.8	8922	9	2014
## 363	Drew Daywalt	4.8	8922	9	2015
## 364	Pierre Dukan	4.1	2023	15	2011
## 365	Muriel Barbery	4.0	1859	11	2009
## 366	John Green	4.7	50482	13	2012
## 367	John Green	4.7	50482	13	2013
## 368	John Green	4.7	50482	7	2014
## 369	John Green	4.7	50482	13	2014
## 370	Patrick Lencioni	4.6	3207	6	2009
## 371	Patrick Lencioni	4.6	3207	6	2010
## 372	Patrick Lencioni	4.6	3207	6	2011
## 373	Patrick Lencioni	4.6	3207	6	2012
## 374	Patrick Lencioni	4.6	3207	6	2013
## 375	Gary Chapman	4.6	803	9	2009
## 376	Don Miguel Ruiz	4.7	23308	6	2013
## 377	Don Miguel Ruiz	4.7	23308	6	2015
## 378	Don Miguel Ruiz	4.7	23308	6	2016
## 379	Don Miguel Ruiz	4.7	23308	6	2017
## 380	Don Miguel Ruiz	4.7	23308	6	2018
## 381	Don Miguel Ruiz	4.7	23308	6	2019
## 382	Jeff Kinney	4.8	5836	0	2017

## 383	Paula Hawkins	4.1	79446	18	2015
## 384	Paula Hawkins	4.1	79446	7	2016
## 385	Stieg Larsson	4.7	7747	14	2010
## 386	Stieg Larsson	4.7	7747	14	2011
## 387	Stieg Larsson	4.7	7251	9	2010
## 388	Stieg Larsson	4.7	7251	16	2009
## 389	Stieg Larsson	4.4	10559	2	2009
## 390	Stieg Larsson	4.4	10559	2	2010
## 391	Sandra Boynton	4.8	5249	5	2016
## 392	Sandra Boynton	4.8	5249	5	2017
## 393	Donna Tartt	3.9	33844	20	2013
## 394	Donna Tartt	3.9	33844	20	2014
## 395	F. Scott Fitzgerald	4.4	11616	7	2012
## 396	F. Scott Fitzgerald	4.4	11616	7	2013
## 397	F. Scott Fitzgerald	4.4	11616	7	2014
## 398	John Grisham	4.5	13609	14	2019
## 399	Mary Ann Shaffer	4.7	8587	10	2009
## 400	Margaret Atwood	4.3	29442	7	2017
## 401	Jonathan Cahn	4.6	11098	13	2012
## 402	Angie Thomas	4.8	9947	11	2018
## 403	Kathryn Stockett	4.8	13871	6	2009
## 404	Kathryn Stockett	4.8	13871	6	2010
## 405	Kathryn Stockett	4.8	13871	8	2011
## 406	Kathryn Stockett	4.8	13871	7	2011
## 407	Rick Riordan	4.8	6982	14	2013
## 408	Suzanne Collins	4.7	32122	14	2010
## 409	Suzanne Collins	4.7	32122	8	2011
## 410	Suzanne Collins	4.7	32122	8	2012
## 411	Suzanne Collins	4.8	16949	30	2011
## 412	Suzanne Collins	4.8	16949	30	2012
## 413	Rebecca Skloot	4.7	9289	13	2010
## 414	Rebecca Skloot	4.7	9289	9	2011
## 415	Rebecca Skloot	4.7	9289	9	2012
## 416	Laurel Randolph	4.3	7368	7	2017
## 417	Laurel Randolph	4.3	7368	7	2018
## 418	Randy Pausch	4.7	4028	9	2009
## 419	Rick Riordan	4.8	4628	7	2009
## 420	Rick Riordan	4.8	4628	7	2010
## 421	Patrick Thorpe	4.9	5396	20	2013
## 422	Daniel Lipkowitz	4.4	4247	13	2011
## 423	Daniel Lipkowitz	4.4	4247	13	2012
## 424	Marie KondÅ\215	4.5	22641	11	2015
## 425	Marie KondÅ\215	4.5	22641	11	2016
## 426	Marie KondÅ\215	4.5	22641	11	2017
## 427	Marie KondÅ\215	4.5	22641	11	2019
## 428	John Grisham	4.4	6222	18	2011
## 429	Rick Riordan	4.8	4506	14	2010
## 430	Dan Brown	4.2	8747	19	2009
## 431	Stephen Kendrick	4.8	1655	13	2009
## 432	Chip Gaines	4.9	7861	5	2016
## 433	Rick Riordan	4.8	6247	10	2012
## 434	Andy Weir	4.7	39459	9	2015
## 435	James Dashner	4.5	10101	8	2014
## 436	Jeff Kinney	4.8	5898	8	2018

## 437	The Washington Post	4.6	2744	12 2019
## 438	Kristin Hannah	4.8	49288	11 2015
## 439	Kristin Hannah	4.8	49288	11 2016
## 440	The College Board	4.4	1201	40 2010
## 441	The College Board	4.4	1201	40 2011
## 442	The College Board	4.4	1201	40 2012
## 443	The College Board	4.4	1201	40 2013
## 444	The College Board	4.4	1201	40 2014
## 445	The College Board	4.3	807	36 2016
## 446	Paula McLain	4.3	3759	16 2011
## 447	Ree Drummond	4.8	2663	17 2013
## 448	Ree Drummond	4.8	3428	14 2015
## 449	Ree Drummond	4.8	2876	21 2012
## 450	Dr. Steven R Gundry MD	4.5	3601	18 2018
## 451	Dr. Steven R Gundry MD	4.4	7058	17 2018
## 452	Deborah Diesen	4.8	9784	5 2017
## 453	Deborah Diesen	4.8	9784	5 2018
## 454	Charles Duhigg	4.6	10795	21 2012
## 455	James Patterson	4.3	10191	18 2018
## 456	John Grisham	4.3	14493	18 2012
## 457	Rick Riordan	4.6	2186	12 2010
## 458	F. A. Hayek	4.6	1204	14 2010
## 459	Rick Riordan	4.8	2091	12 2012
## 460	William P. Young	4.6	19720	8 2009
## 461	William P. Young	4.6	19720	8 2017
## 462	Stephenie Meyer	4.6	2122	0 2010
## 463	Alex Michaelides	4.5	27536	14 2019
## 464	Rick Riordan	4.8	4290	10 2011
## 465	Mark Manson	4.6	26490	15 2017
## 466	Mark Manson	4.6	26490	15 2018
## 467	Mark Manson	4.6	26490	15 2019
## 468	Rupi Kaur	4.7	5487	9 2017
## 469	Jeff Kinney	4.7	6377	7 2012
## 470	Rick Riordan	4.7	1463	10 2011
## 471	Audrey Niffenegger	4.4	3759	6 2009
## 472	Malcolm Gladwell	4.4	3503	9 2009
## 473	Dave Ramsey	4.7	11550	10 2019
## 474	Stephenie Meyer	4.7	3801	82 2009
## 475	Jeff Kinney	4.8	3796	12 2010
## 476	Dinah Bucholz	4.7	9030	10 2019
## 477	Eric Carle	4.9	19546	5 2013
## 478	Eric Carle	4.9	19546	5 2014
## 479	Eric Carle	4.9	19546	5 2015
## 480	Eric Carle	4.9	19546	5 2016
## 481	Eric Carle	4.9	19546	5 2017
## 482	Eric Carle	4.9	19546	5 2018
## 483	Eric Carle	4.9	19546	5 2019
## 484	Melissa Hartwig Urban	4.6	7508	16 2015
## 485	Melissa Hartwig Urban	4.6	7508	16 2016
## 486	Melissa Hartwig Urban	4.6	7508	16 2017
## 487	Emily Winfield Martin	4.9	8842	10 2016
## 488	Emily Winfield Martin	4.9	8842	10 2017
## 489	Emily Winfield Martin	4.9	8842	10 2018
## 490	Emily Winfield Martin	4.9	8842	10 2019

## 491	Craig Smith	4.8	30183	4	2018
## 492	Craig Smith	4.8	30183	4	2019
## 493	David McCullough	4.7	6169	16	2015
## 494	Charles Krauthammer	4.7	7034	15	2013
## 495	Daniel Kahneman	4.6	11034	19	2011
## 496	Daniel Kahneman	4.6	11034	19	2012
## 497	Jay Asher	4.5	7932	9	2017
## 498	Jon Meacham	4.5	1904	23	2012
## 499	Greg Mortenson	4.3	3319	11	2009
## 500	Greg Mortenson	4.3	3319	11	2010
## 501	Thug Kitchen	4.6	11128	23	2014
## 502	Thug Kitchen	4.6	11128	23	2015
## 503	Thug Kitchen	4.6	11128	23	2016
## 504	Thug Kitchen	4.6	11128	23	2017
## 505	Tina Fey	4.3	5977	12	2011
## 506	Harper Lee	4.8	26234	0	2013
## 507	Harper Lee	4.8	26234	0	2014
## 508	Harper Lee	4.8	26234	0	2015
## 509	Harper Lee	4.8	26234	0	2016
## 510	Harper Lee	4.8	26234	7	2019
## 511	Timothy Ferriss	4.6	4360	21	2017
## 512	Robert Jordan	4.8	2282	21	2010
## 513	Edward M. Kennedy	4.5	438	15	2009
## 514	Stephenie Meyer	4.7	11676	9	2009
## 515	DK	4.5	2586	5	2014
## 516	Laura Hillenbrand	4.8	29673	16	2010
## 517	Laura Hillenbrand	4.8	29673	16	2011
## 518	Laura Hillenbrand	4.8	29673	16	2012
## 519	Laura Hillenbrand	4.8	29673	13	2014
## 520	Laura Hillenbrand	4.8	29673	16	2014
## 521	Stephen King	4.3	6740	20	2009
## 522	Mark R. Levin	4.9	5956	11	2019
## 523	Silly Bear	4.8	6108	4	2019
## 524	Lysa TerKeurst	4.7	4585	9	2016
## 525	Alan Moore	4.8	3829	42	2009
## 526	Sara Gruen	4.5	8958	12	2011
## 527	Hillary Rodham Clinton	4.6	5492	18	2017
## 528	Randall Munroe	4.7	9292	17	2014
## 529	Dr. Seuss	4.7	1873	14	2015
## 530	Adir Levy	4.8	8170	13	2019
## 531	Heidi Murkoff	4.4	3341	9	2011
## 532	William Davis	4.4	7497	6	2012
## 533	William Davis	4.4	7497	6	2013
## 534	Paul Kalanithi	4.8	13779	14	2016
## 535	Delia Owens	4.8	87841	15	2019
## 536	Maurice Sendak	4.8	9967	13	2009
## 537	The Staff of The Late Show withÃ...	4.6	6669	12	2018
## 538	Cheryl Strayed	4.4	17044	18	2012
## 539	Ken Follett	4.5	10760	15	2012
## 540	Geneen Roth	4.2	1302	11	2010
## 541	R. J. Palacio	4.8	21625	9	2013
## 542	R. J. Palacio	4.8	21625	9	2014
## 543	R. J. Palacio	4.8	21625	9	2015
## 544	R. J. Palacio	4.8	21625	9	2016

## 545		R. J. Palacio	4.8	21625	9 2017
## 546		Jeff Kinney	4.9	9413	8 2019
## 547		Jen Sincero	4.7	14331	8 2016
## 548		Jen Sincero	4.7	14331	8 2017
## 549		Jen Sincero	4.7	14331	8 2018
## 550		Jen Sincero	4.7	14331	8 2019
##	Genre				
## 1	Non Fiction				
## 2	Fiction				
## 3	Non Fiction				
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```
summary(best_seller_data)
```

```
##      Name      Author      User.Rating      Reviews
## Length:550      Length:550      Min.   :3.300      Min.   : 37
## Class :character Class :character 1st Qu.:4.500      1st Qu.: 4058
## Mode  :character Mode  :character Median :4.700      Median : 8580
##                                     Mean  :4.618      Mean  :11953
##                                     3rd Qu.:4.800      3rd Qu.:17253
##                                     Max.   :4.900      Max.   :87841
##      Price      Year      Genre
## Min.   : 0.0      Min.   :2009      Length:550
## 1st Qu.: 7.0      1st Qu.:2011      Class :character
## Median :11.0      Median :2014      Mode  :character
## Mean   :13.1      Mean   :2014
## 3rd Qu.:16.0      3rd Qu.:2017
## Max.   :105.0      Max.   :2019
```

```
#Descriptive statistics
```

```
#Related to price of books
```

```
mean(best_seller_data$Price)
```

```
## [1] 13.1
```

```
median(best_seller_data$Price)
```

```
## [1] 11
```

```
range(best_seller_data$Price)
```

```
## [1] 0 105
```

```
quantile(best_seller_data$Price)
```

```
## 0% 25% 50% 75% 100%
## 0 7 11 16 105
```

```
#Mode - Frequency of Fiction v/s non fiction
```

```

table(best_seller_data$Genre) #Categorical

##
##      Fiction Non Fiction
##      240      310
#Ratings

average_UR<-mean(best_seller_data$User.Rating) #mean value of user ratings
average_UR

## [1] 4.618364
var(best_seller_data$User.Rating) #variance in User ratings

## [1] 0.05152009
sd(best_seller_data$User.Rating) #standard deviation of User ratings

## [1] 0.2269804
#Transformation

reviews_log=log(best_seller_data$Reviews)
reviews_log[1:50]

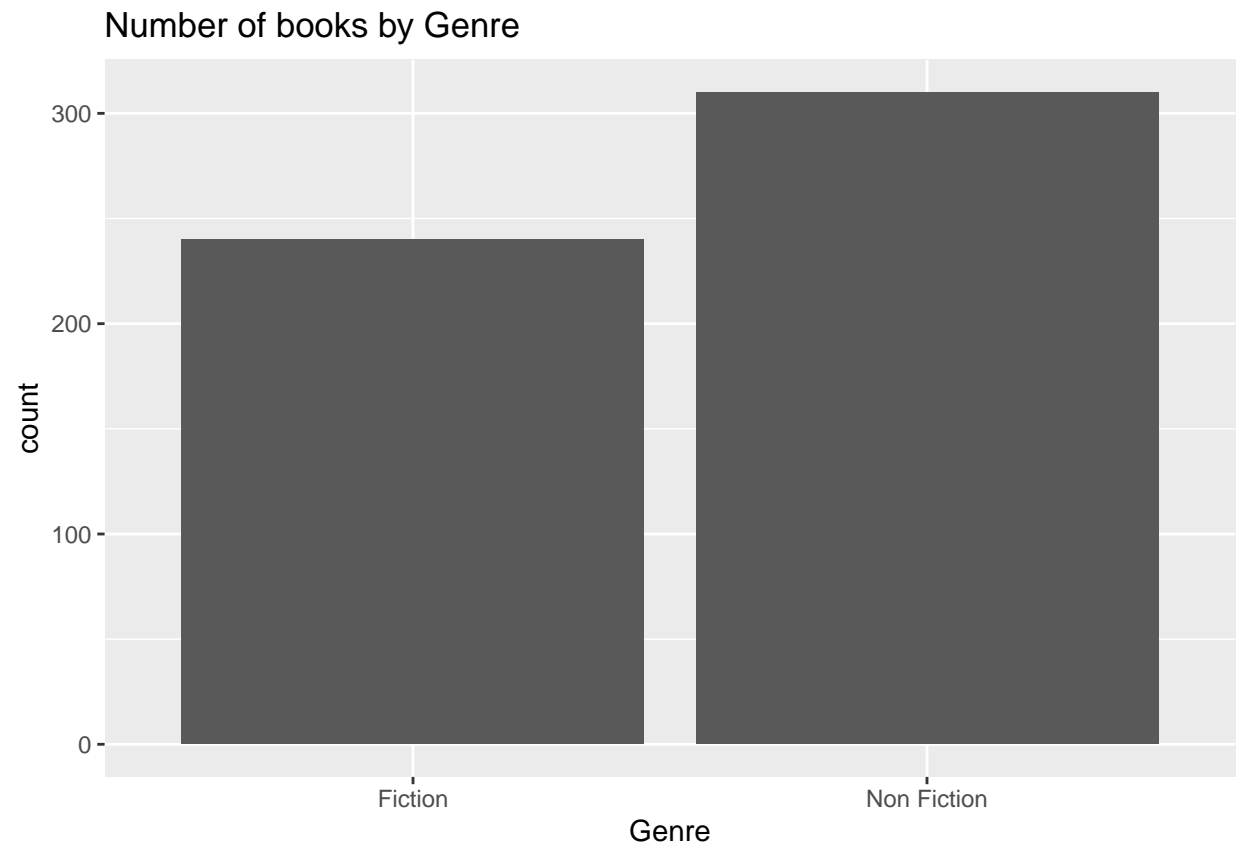
## [1]  9.761348  7.626570  9.851088  9.972267  8.944420  9.444859  9.890149
## [8]  9.888323  8.696677 10.079456 10.079456  6.131226  8.330623  8.547334
## [15]  8.519790  7.746301  7.981050  7.989899  7.793999  9.126741 10.500894
## [22] 10.500894  8.749891  9.675394  9.405825  6.682109  9.145695  6.196444
## [29]  8.586719  7.554335  7.167038  6.421622 11.020807 11.020807  9.315871
## [36]  9.217316  9.217316  8.223895  9.186969  6.154858  9.571087  9.571087
## [43]  8.412943  9.246576  9.695479  7.966933 10.026324 10.026324 10.026324
## [50]  8.468213

rating_log=log(best_seller_data$User.Rating)
rating_log[1:20]

## [1] 1.547563 1.526056 1.547563 1.547563 1.568616 1.481605 1.547563 1.547563
## [9] 1.547563 1.526056 1.526056 1.526056 1.526056 1.504077 1.526056 1.504077
## [17] 1.526056 1.481605 1.504077 1.568616
#Graphs

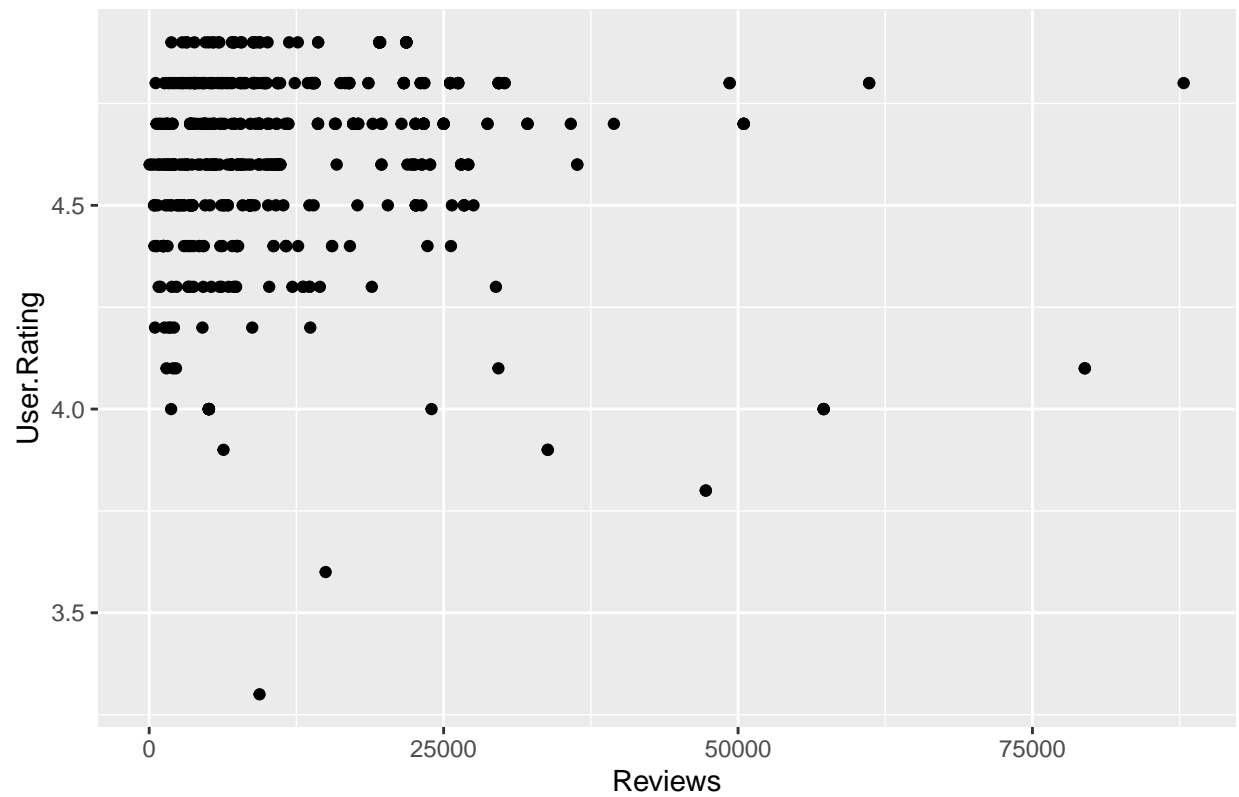
library(ggplot2)
ggplot(best_seller_data, aes(x=Genre))+geom_bar()+ggtitle("Number of books by Genre")

```



```
ggplot(best_seller_data, aes(x=Reviews, y=User.Rating))+ geom_point()+ggtitle("Plot Reviews v/S User Ra
```

Plot Reviews v/S User Ratings



```
ggplot(best_seller_data, aes(x=reviews_log, y=rating_log))+geom_point() +ggtitle("Scatter plot for tran
```

Scatter plot for transformed rating v/s reviews

