# Amazon Top 50 Bestselling Books
2009 – 2019

Analyzing Amazon Store Books online
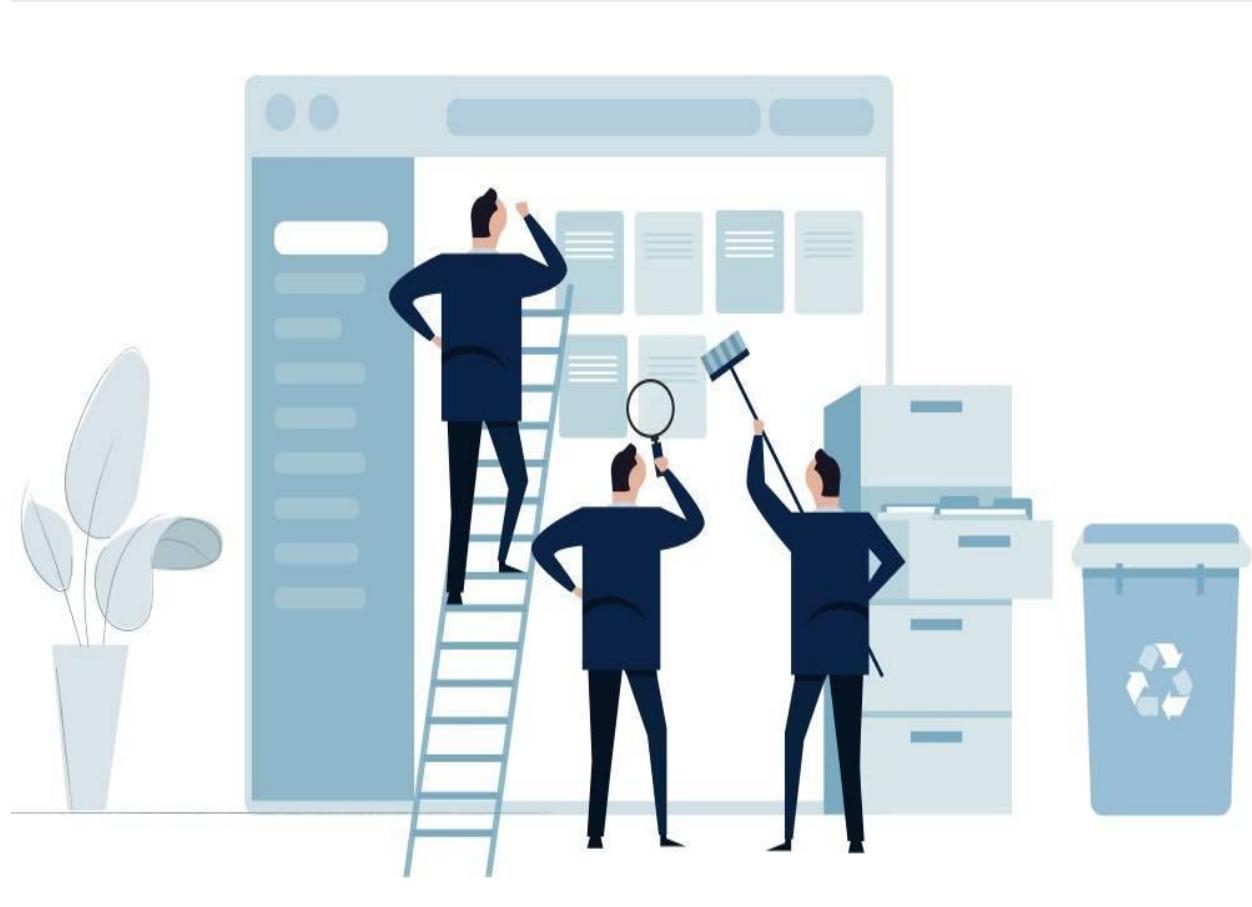
About Dataset

The dataset contains 7 columns and 550 rows. It haven't any duplicate values and there are no null values.

```
amazon.head()
```

	Name	Author	User Rating	Reviews	Price	Year	Genre
0	10-Day Green Smoothie Cleanse	JJ Smith	4.7	17350	8	2016	Non Fiction
1	11/22/63: A Novel	Stephen King	4.6	2052	22	2011	Fiction
2	12 Rules for Life: An Antidote to Chaos	Jordan B. Peterson	4.7	18979	15	2018	Non Fiction
3	1984 (Signet Classics)	George Orwell	4.7	21424	6	2017	Fiction
4	5,000 Awesome Facts (About Everything!) (Natio...	National Geographic Kids	4.8	7665	12	2019	Non Fiction

Data Cleaning and Appending

Dataset after cleaning and appending

The data dose not need cleaning and we add two columns (Sales , Name Length) to easy analysis.

```
amazon.head()
```

	Name	Author	User Rating	Reviews	Price	Year	Genre	Sales	Name Length
0	10-Day Green Smoothie Cleanse	JJ Smith	4.7	17350	8	2016	Non Fiction	138800	29
1	11/22/63: A Novel	Stephen King	4.6	2052	22	2011	Fiction	45144	17
2	12 Rules for Life: An Antidote to Chaos	Jordan B. Peterson	4.7	18979	15	2018	Non Fiction	284685	39
3	1984 (Signet Classics)	George Orwell	4.7	21424	6	2017	Fiction	128544	22
4	5,000 Awesome Facts (About Everything!) (Natio...	National Geographic Kids	4.8	7665	12	2019	Non Fiction	91980	66

Data Visualization
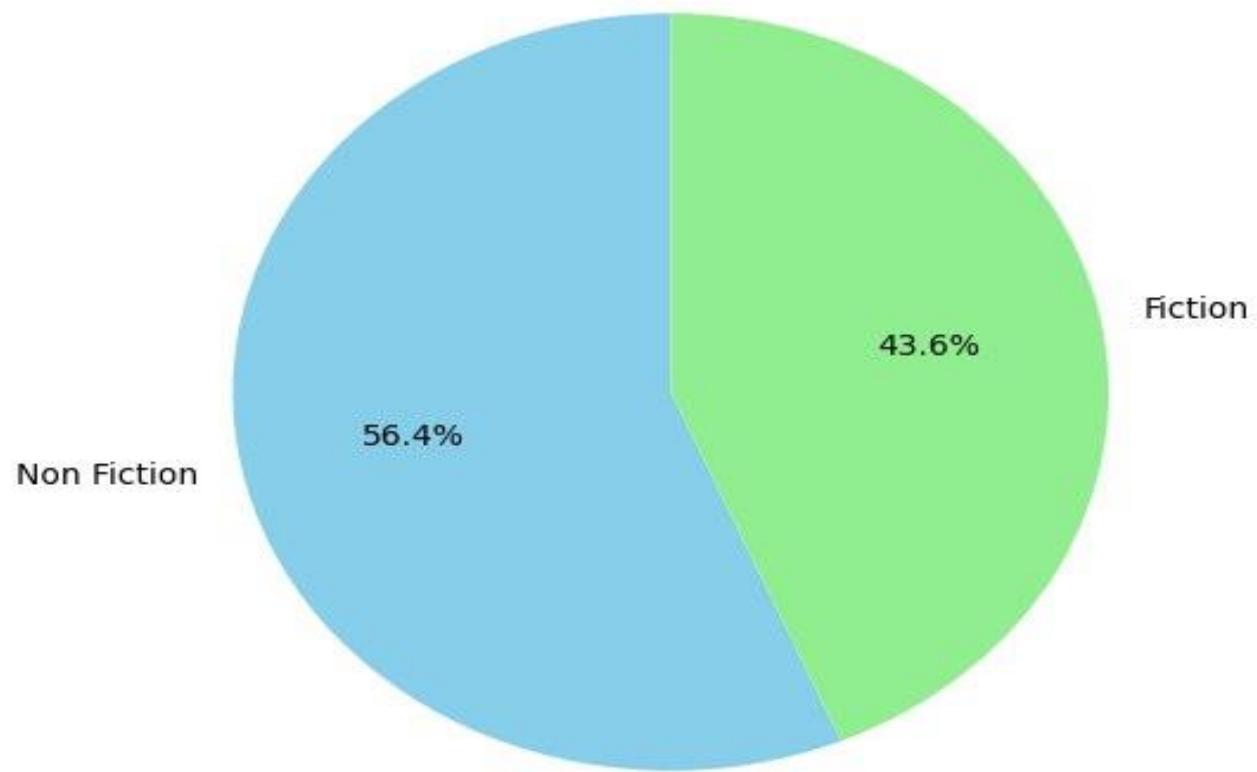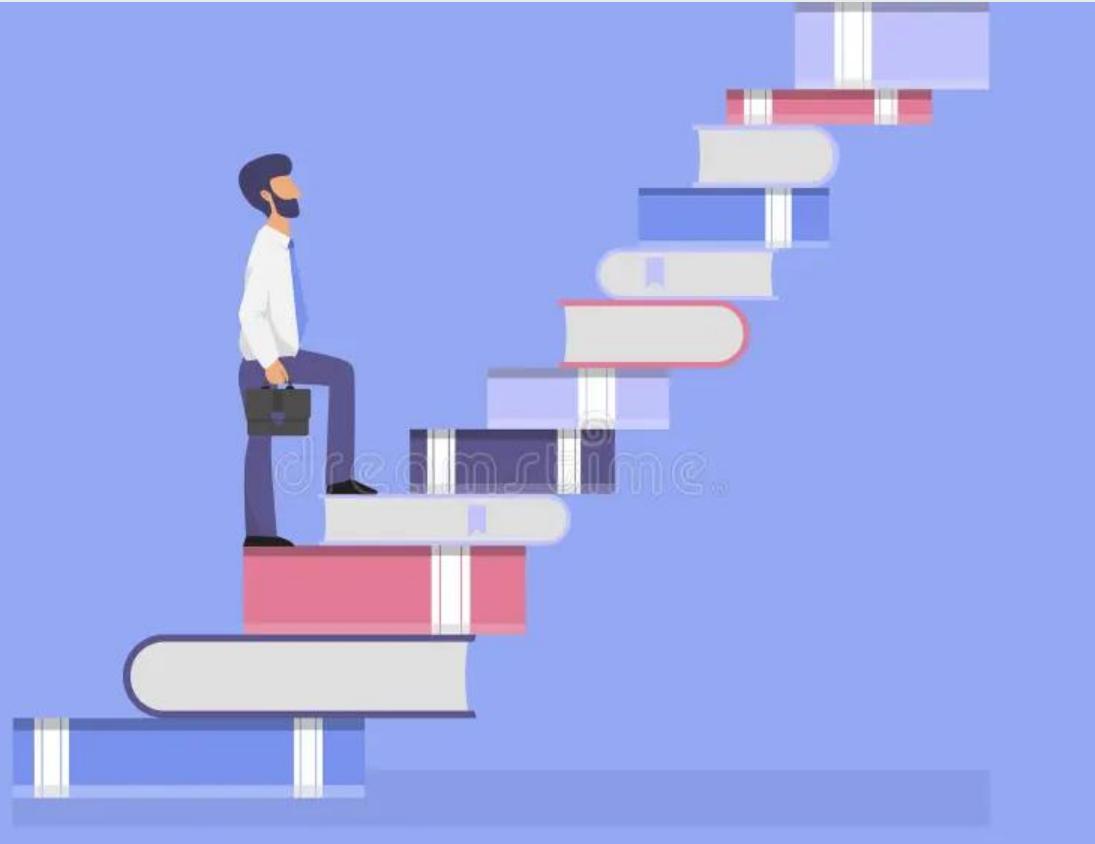
## 01
## What are the most popular genres of books over the past decade?

Genre Distribution
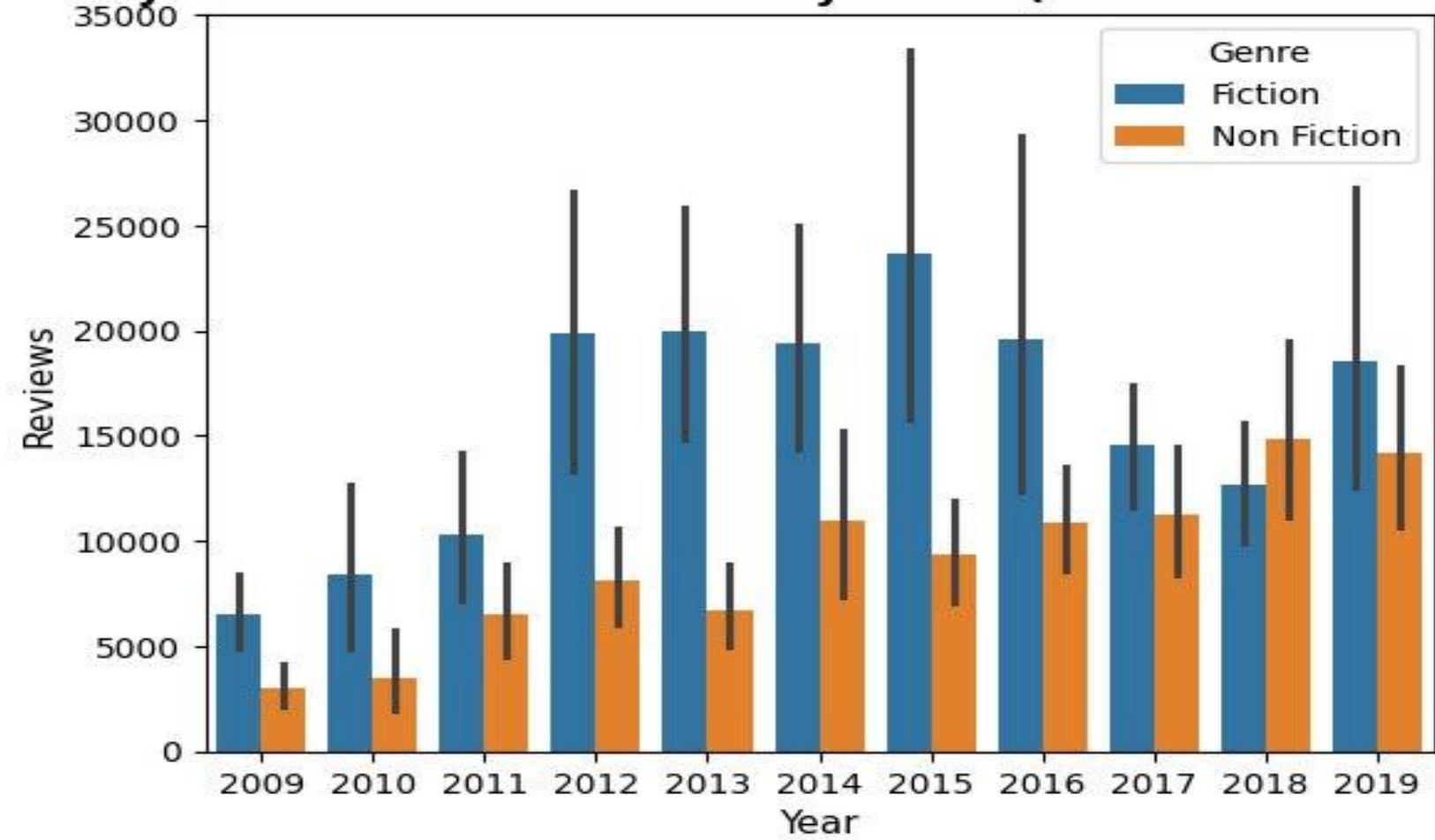
02
How does the trend of reviews differ between Fiction and Non-Fiction genres over the years?
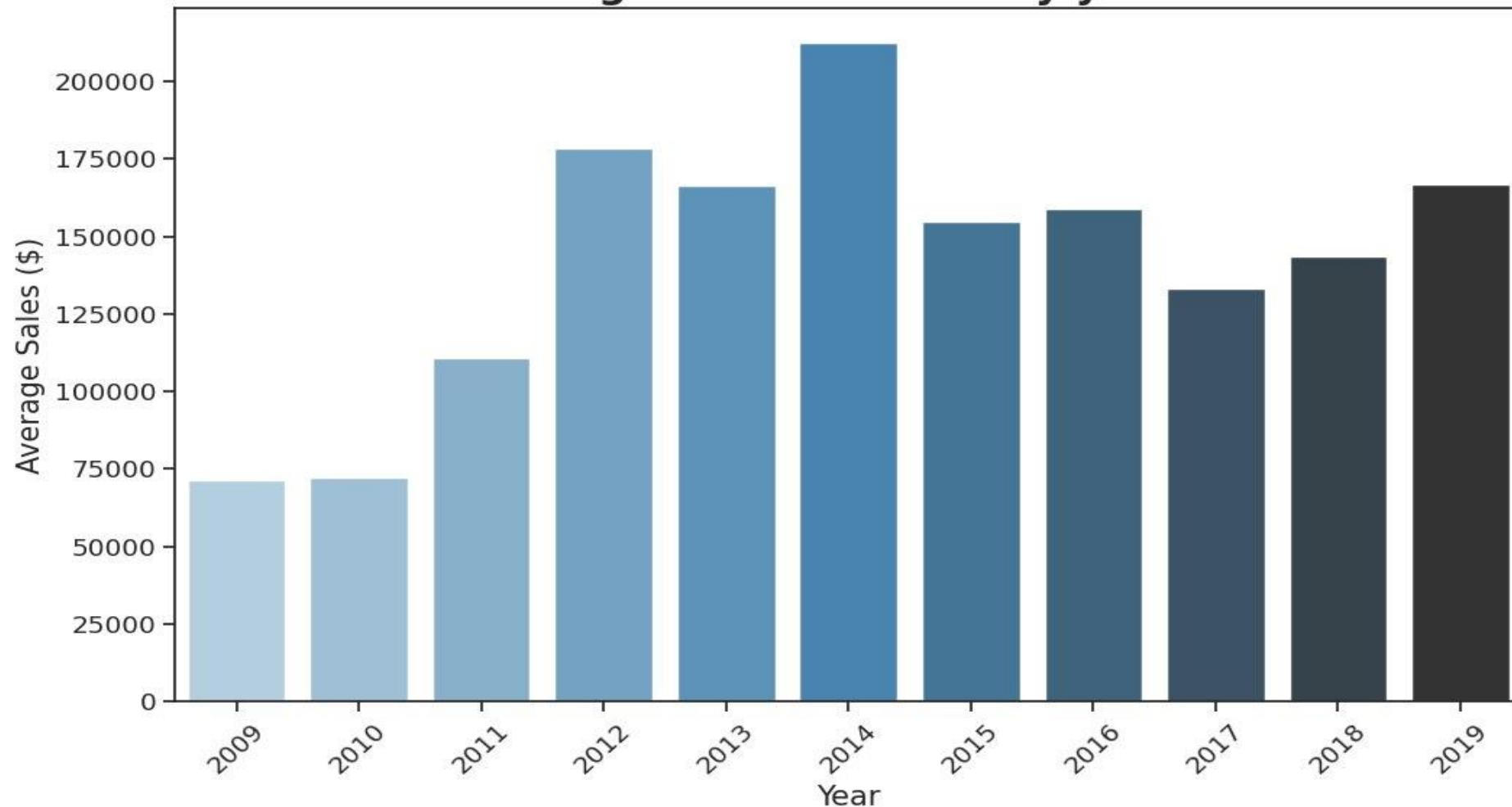
Yearly Distribution of Reviews by Genre (Fiction vs. Non-Fiction)

03
What is the average sales of books in the dataset?

avarge sales of books by years
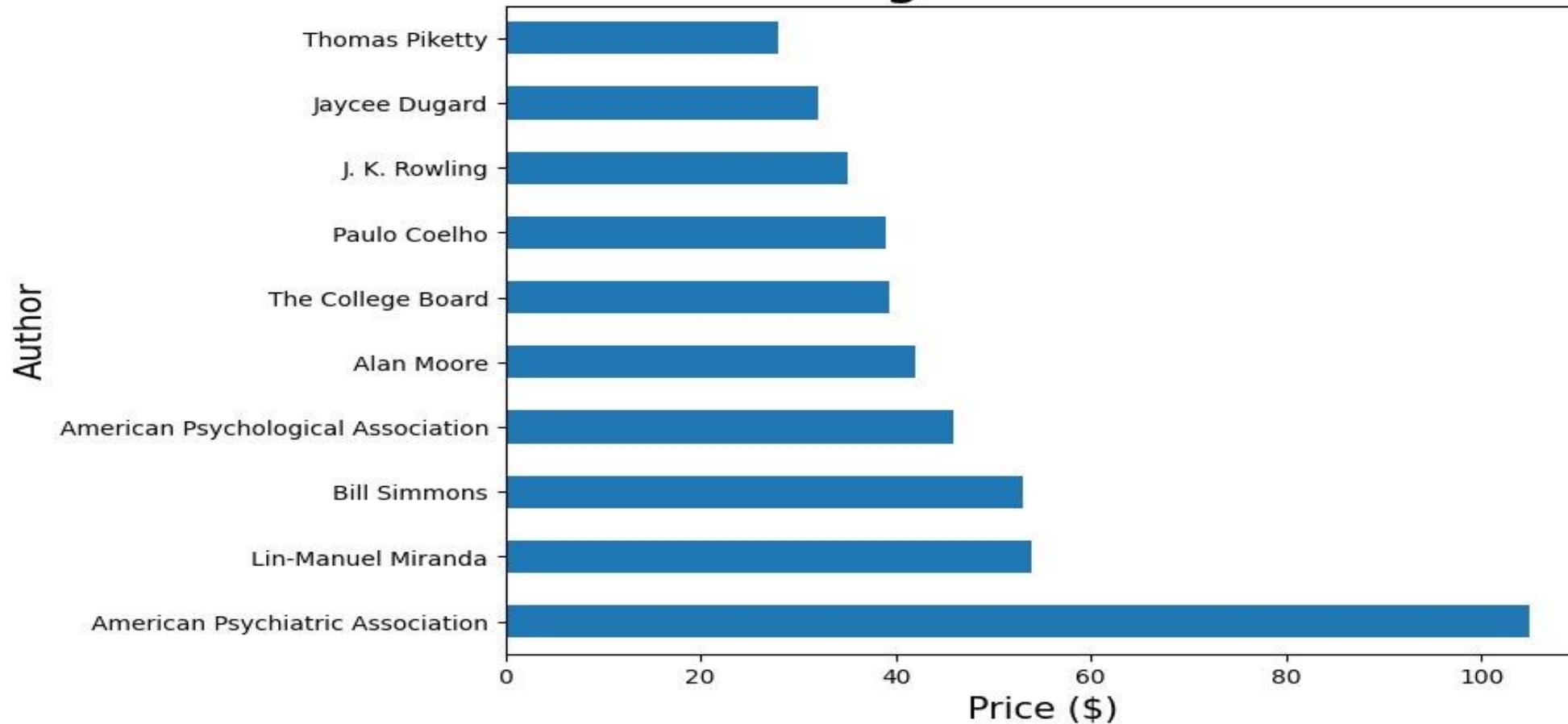
Correlation Heatmap of Book Features

04
Which author has the highest-priced book ?

Best Selling Authors as Per Price
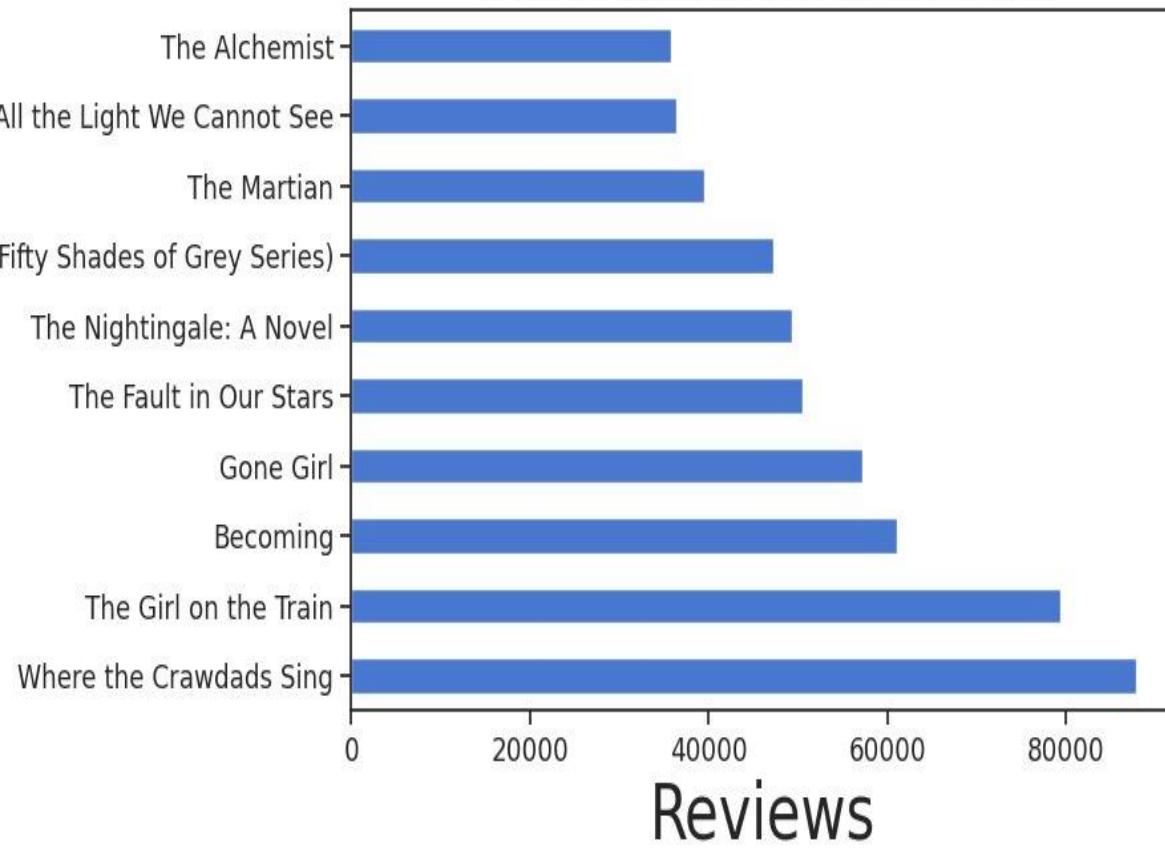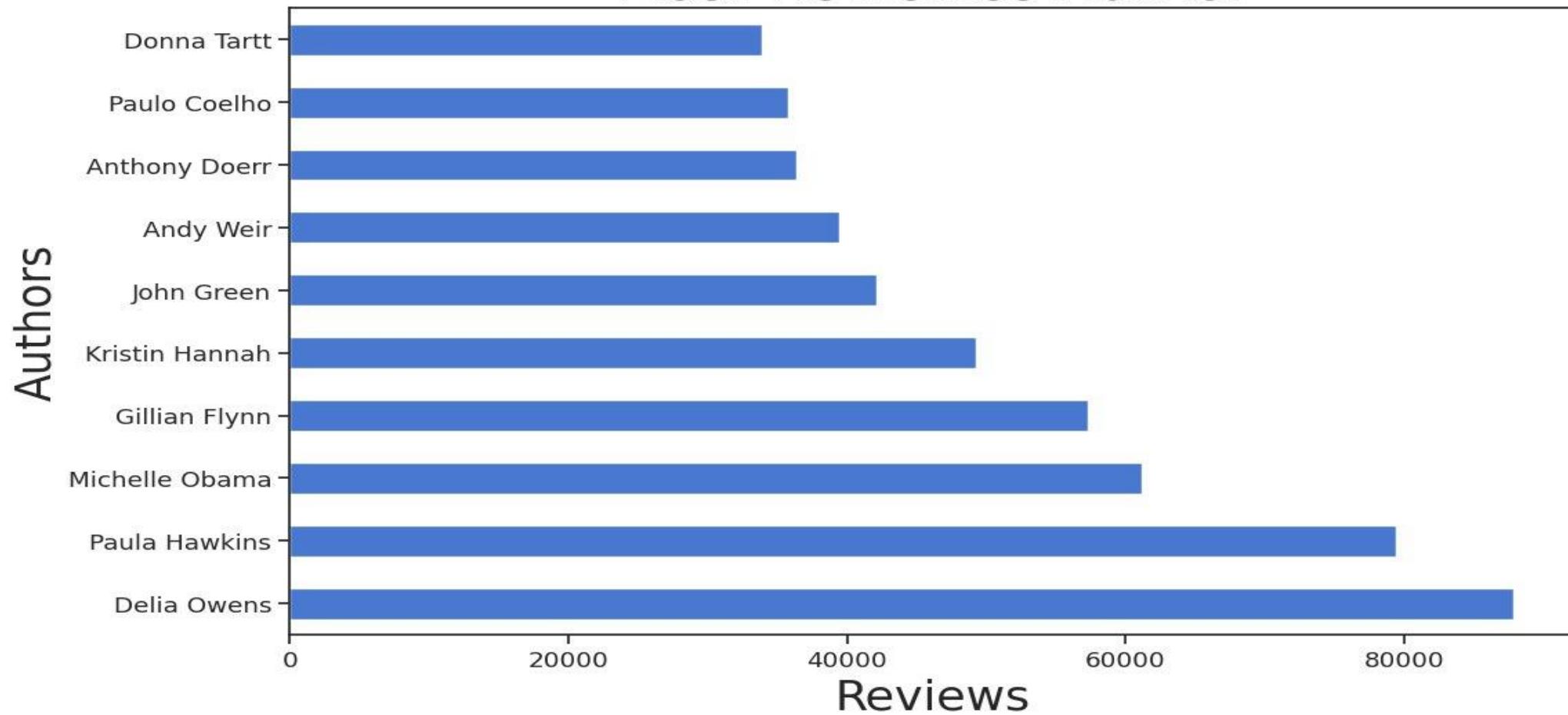
05
Which authors and books has the most reviews ?

Most Reviewed Books
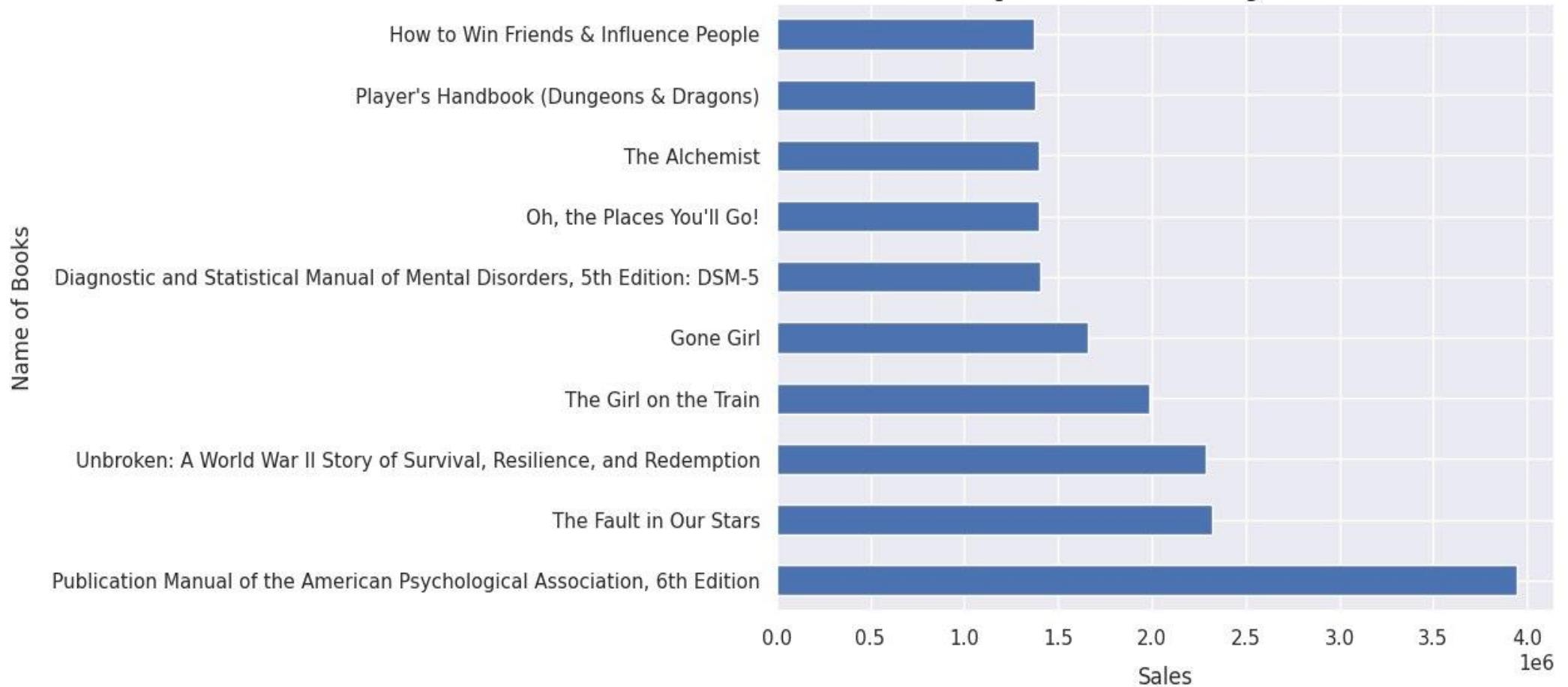
Most Reviewes Author

06
What are the top 10
books by sales ?

Top 10 books by sales
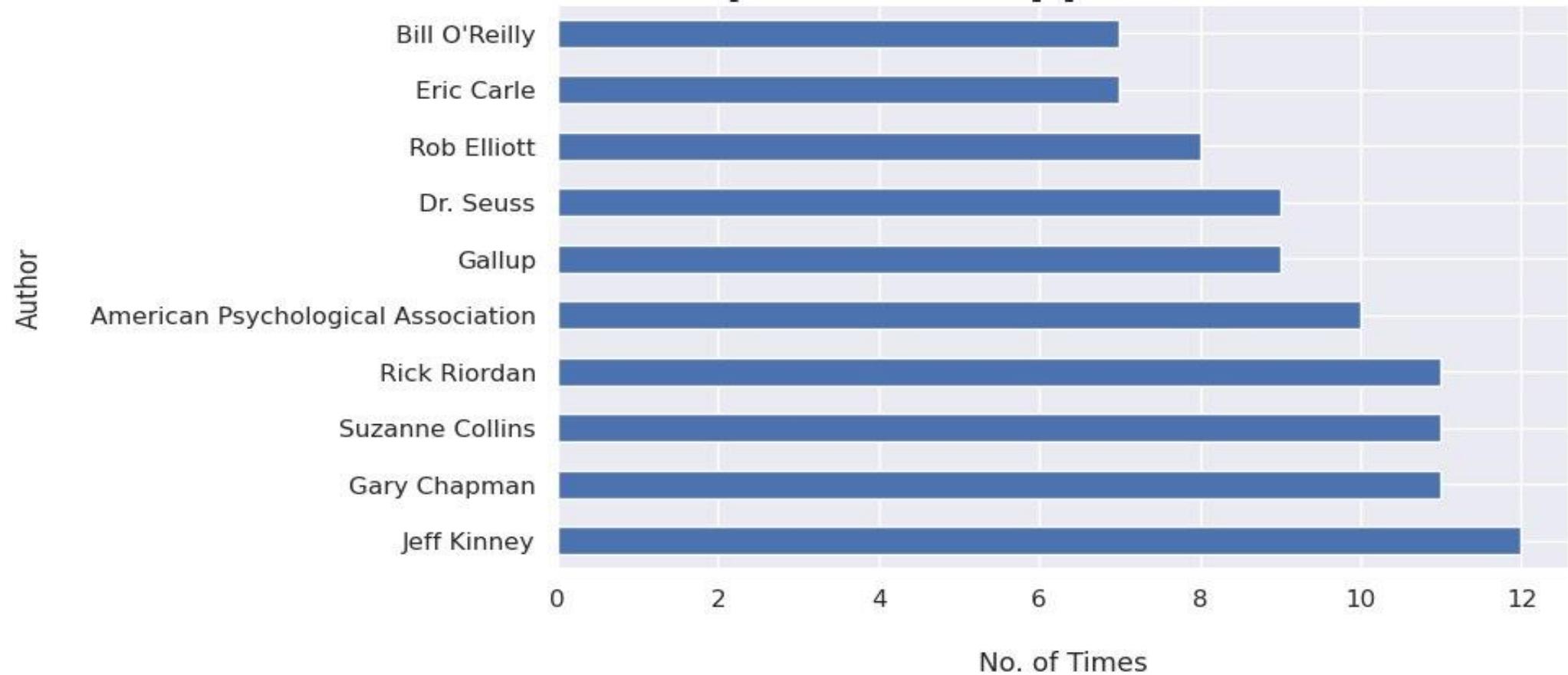
07
Which authors and books appear most frequently?

Top 10 Most Appeared Books

Name of Books	No. of Times
The 5 Love Languages: The Secret to Love That Lasts	5
To Kill a Mockingbird	5
The Official SAT Study Guide	5
Jesus Calling: Enjoying Peace in His Presence (with Scripture References)	6
The Four Agreements: A Practical Guide to Personal Freedom (A Toltec Wisdom Book)	6
The 7 Habits of Highly Effective People: Powerful Lessons in Personal Change	7
The Very Hungry Caterpillar	7
Oh, the Places You'll Go!	8
StrengthsFinder 2.0	9
Publication Manual of the American Psychological Association, 6th Edition	10

Top 10 Most Appeared Authors
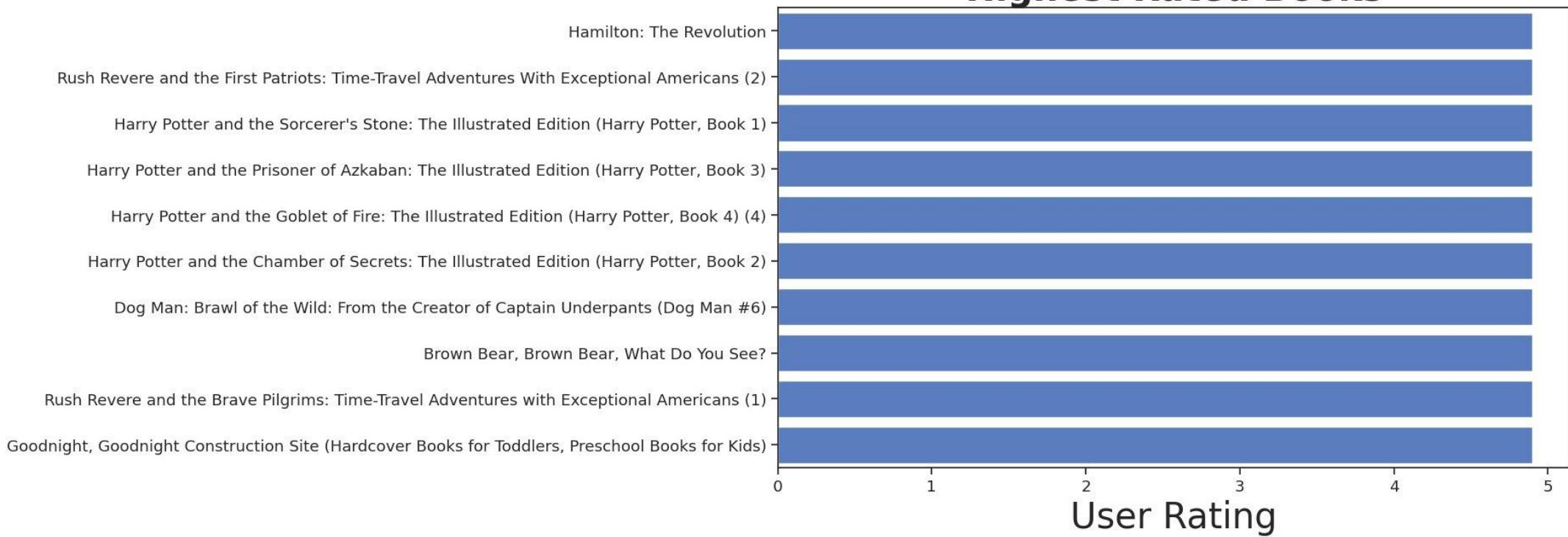
08

What are the books that have received the highest ratings?
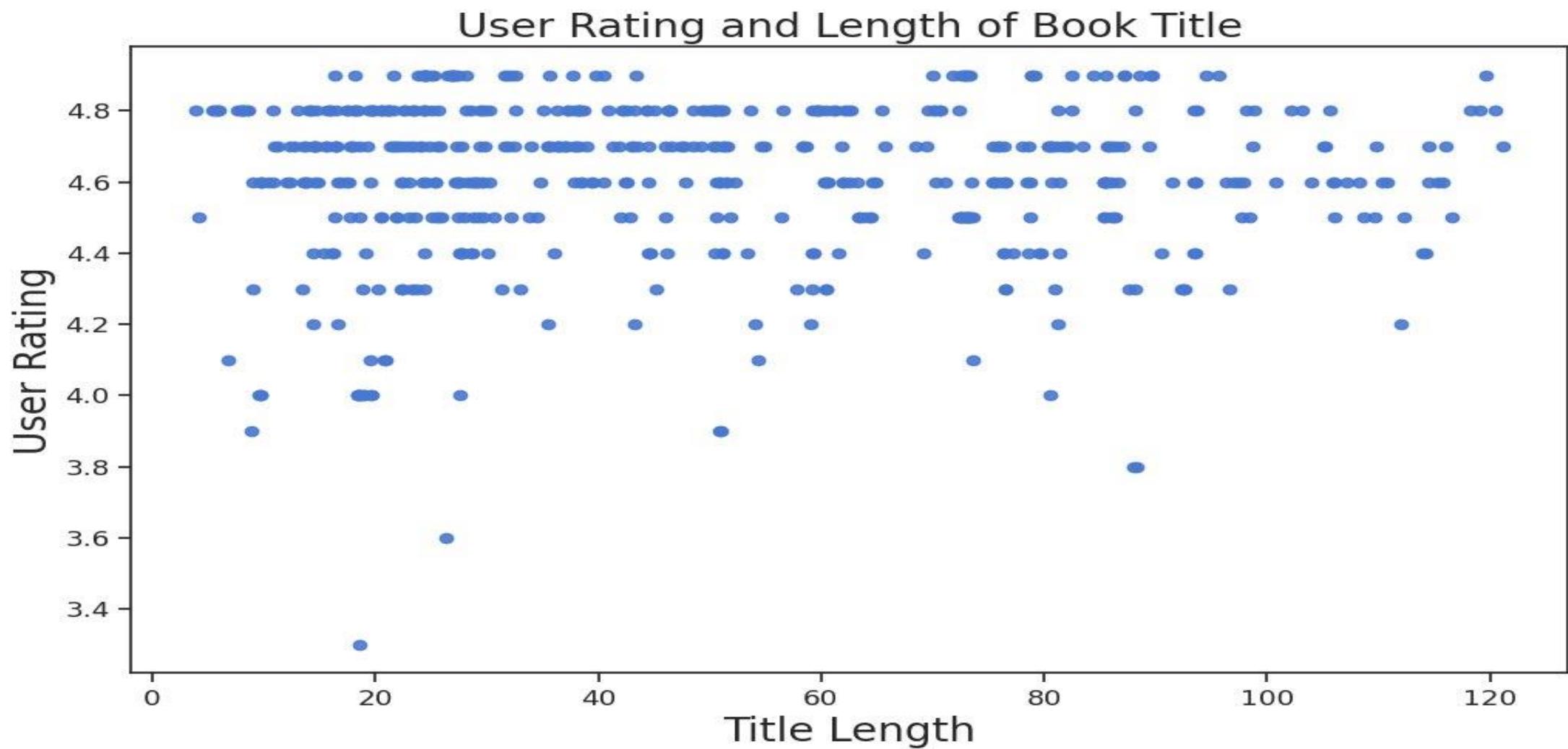
Highest Rated Books
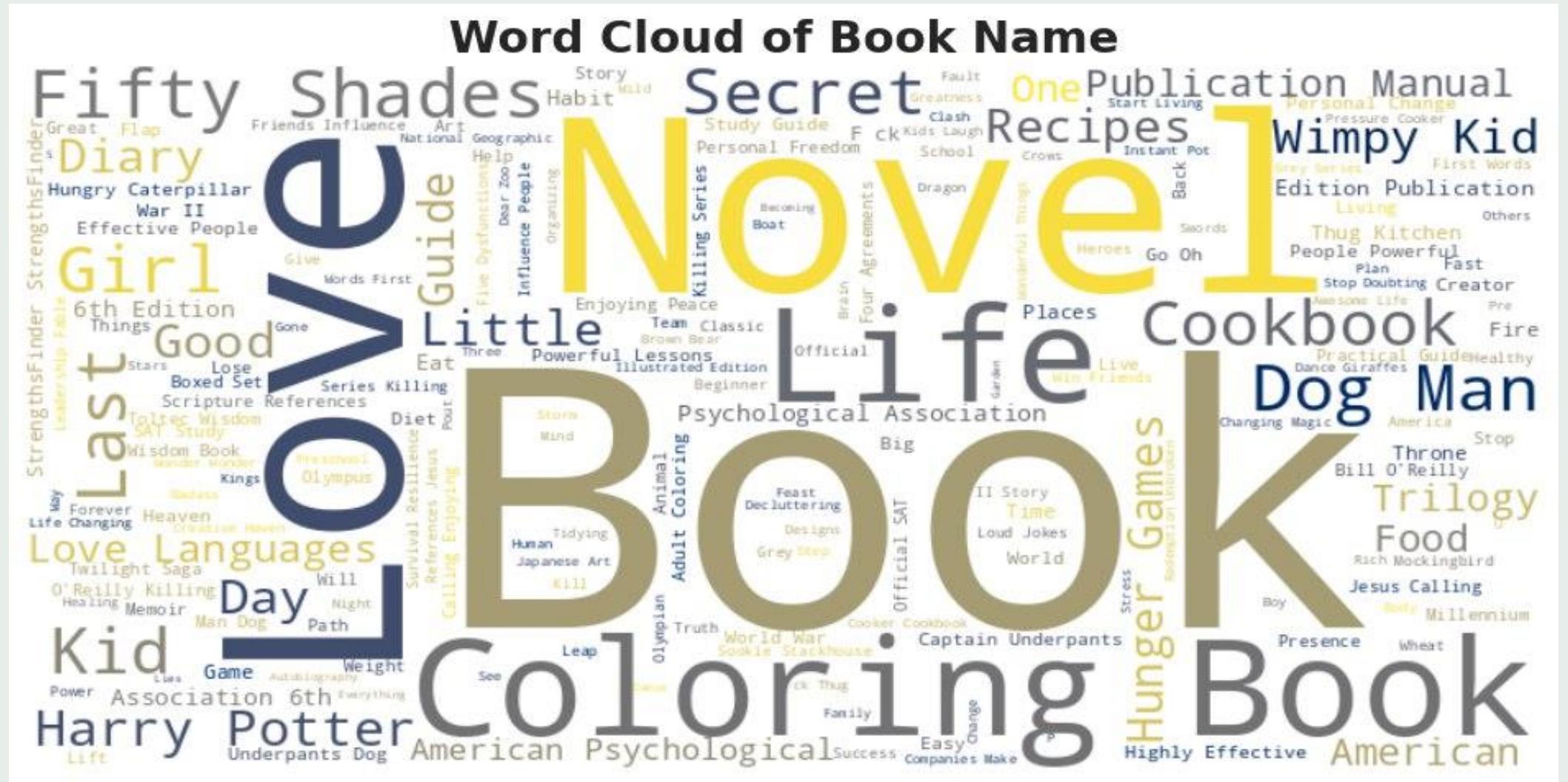
08

Does the length of book title affect User Rating?

User Rating and Length of Book Title

Visualize the most frequently used words

Word Cloud of Book Name

Thank you

Anas Hasan

Ali Zaben

linkedin.com/in/anas-hasan-60150b30b

linkedin.com/in/ali-zaben-29564622b