



# Amazon Top 50 Bestselling Books 2009 – 2019

Analyzing Amazon  
Store Books online

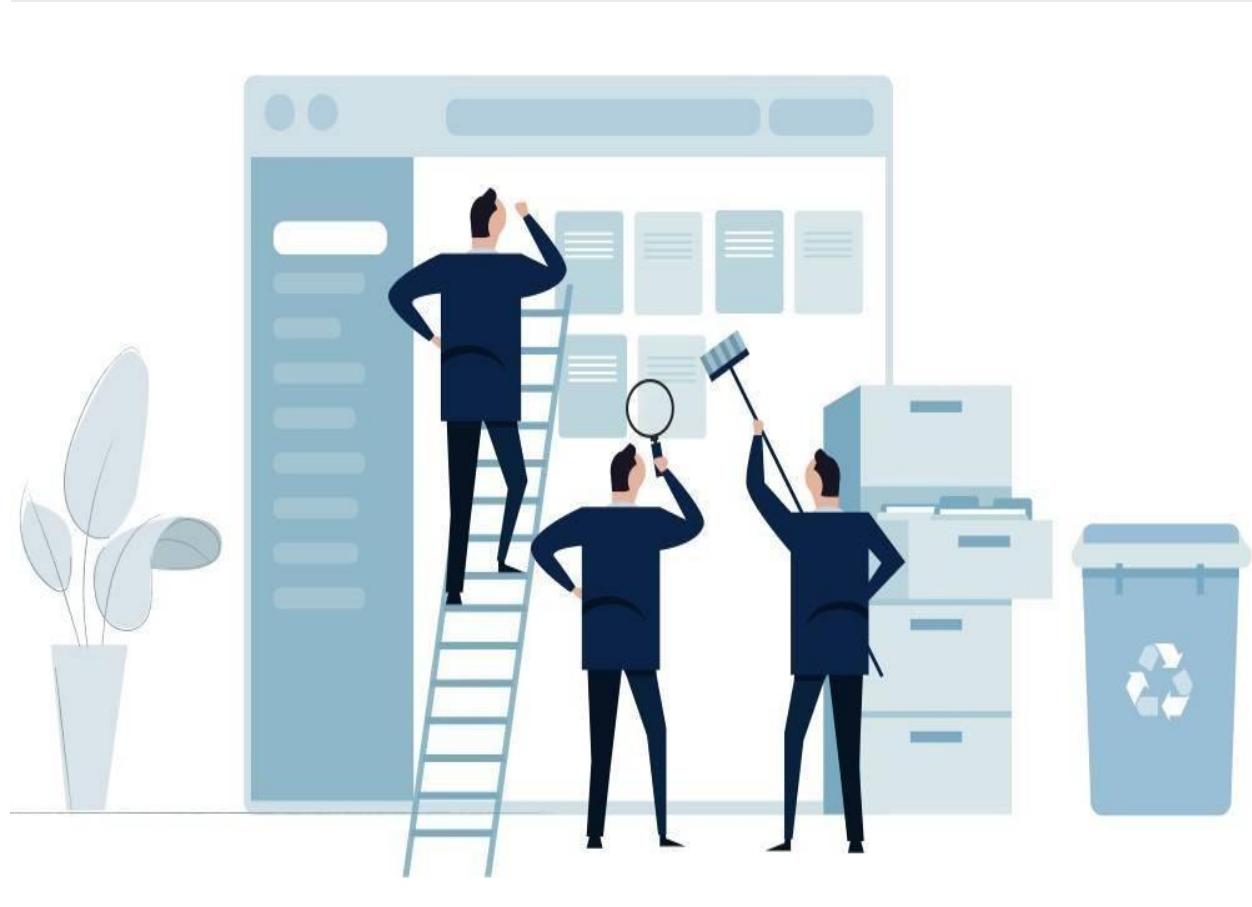
# About Dataset

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!) (National Geographic Kids)	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!) (National Geographic Kids)	National Geographic Kids	4.8	7665	12	2019	Non Fiction	91980	66



# Data Visualization

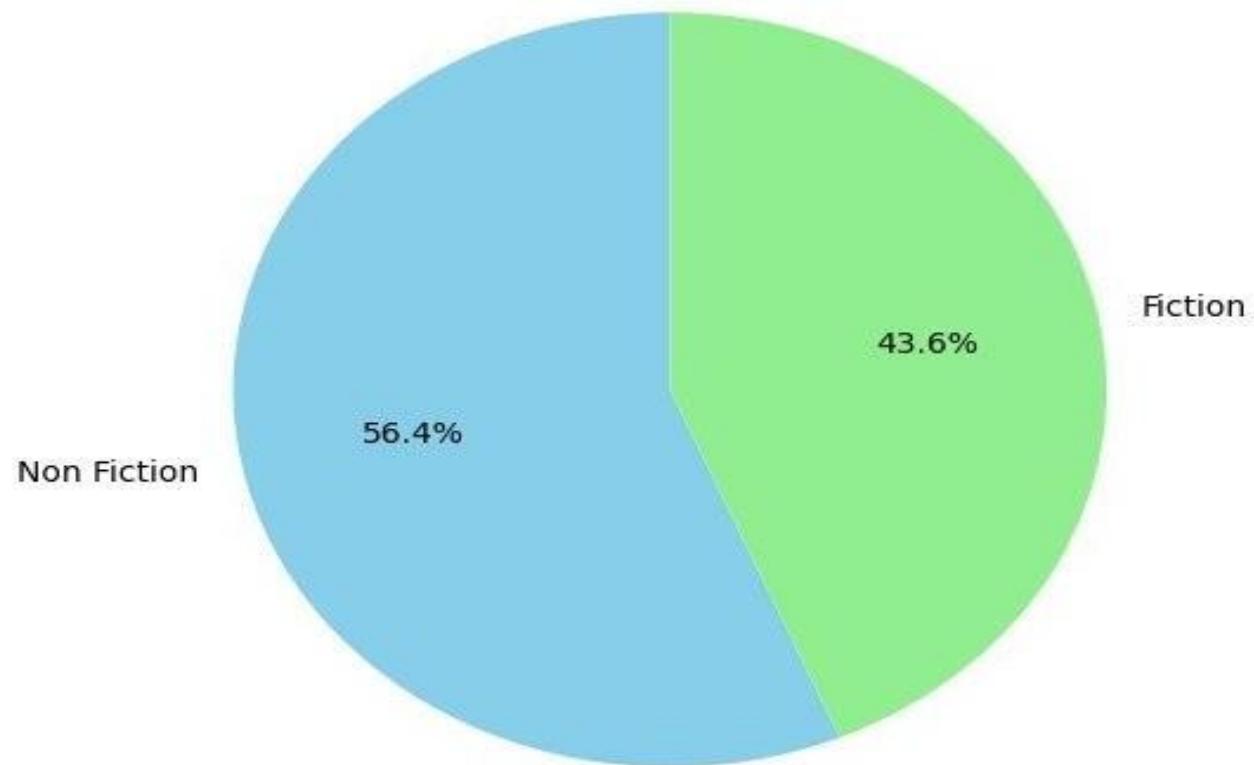
# Book Genres

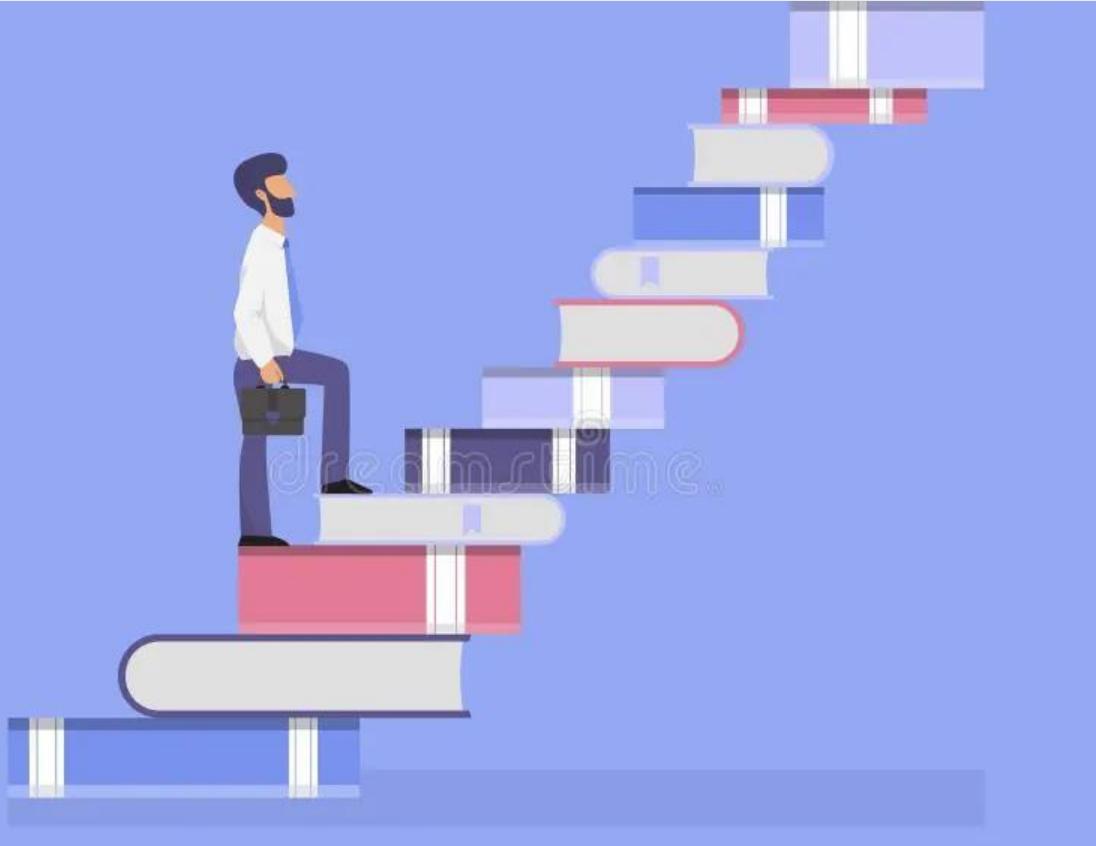


01

What are the most popular genres of books over the past decade?

Genre Distribution

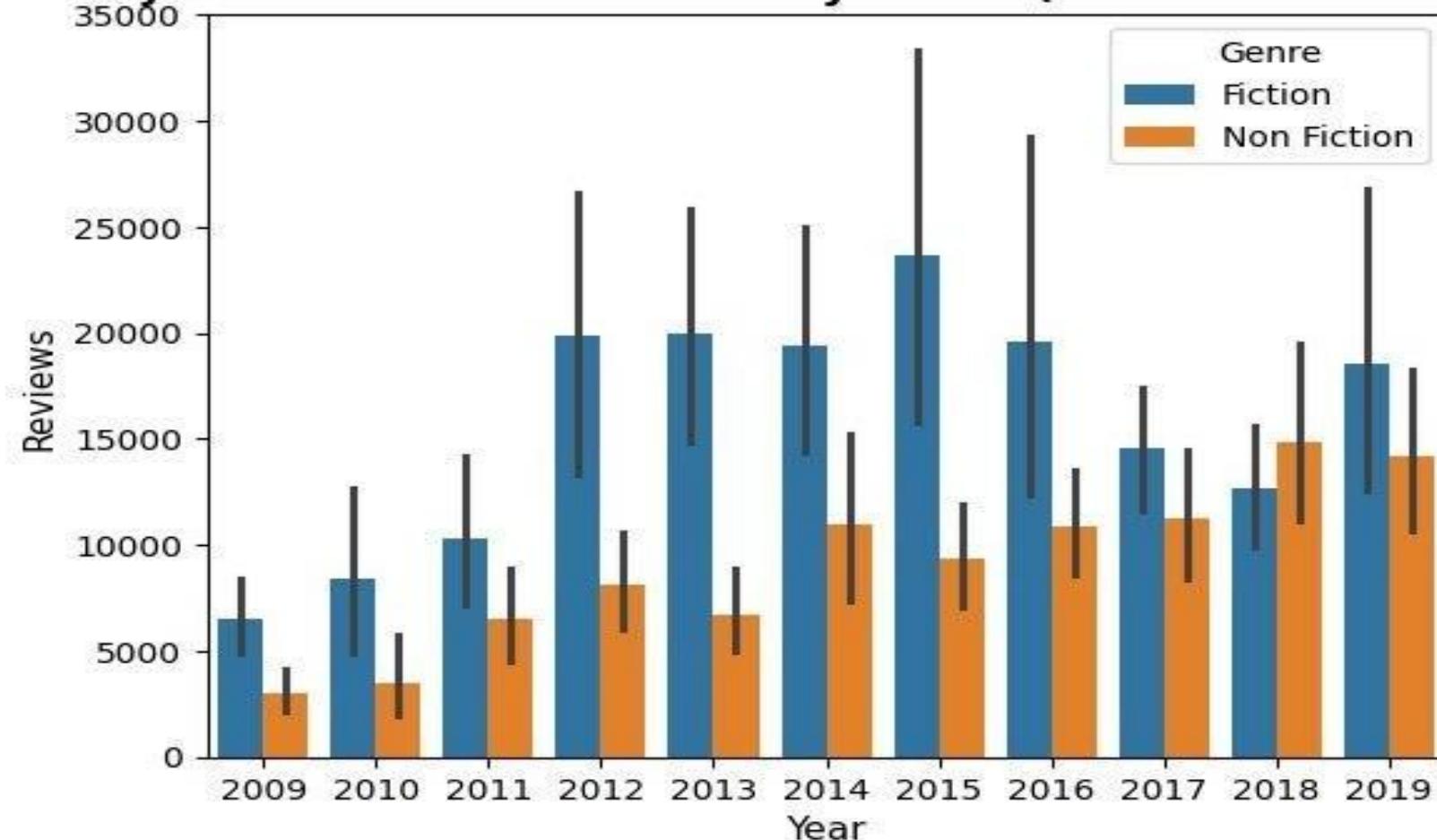




02

How does the trend of reviews differ between Fiction and Non-Fiction genres over the years?

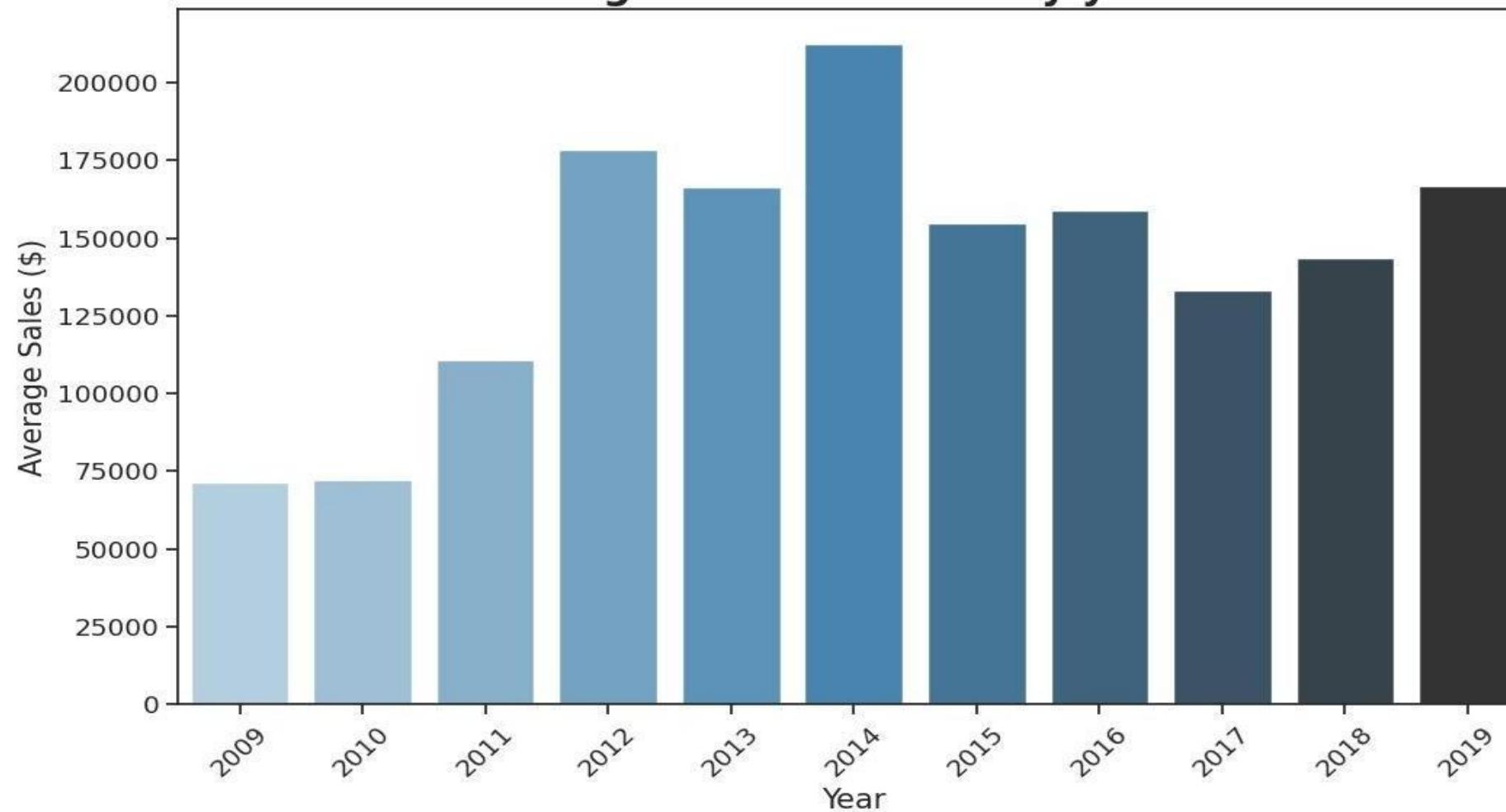
## **Yearly Distribution of Reviews by Genre (Fiction vs. Non-Fiction)**



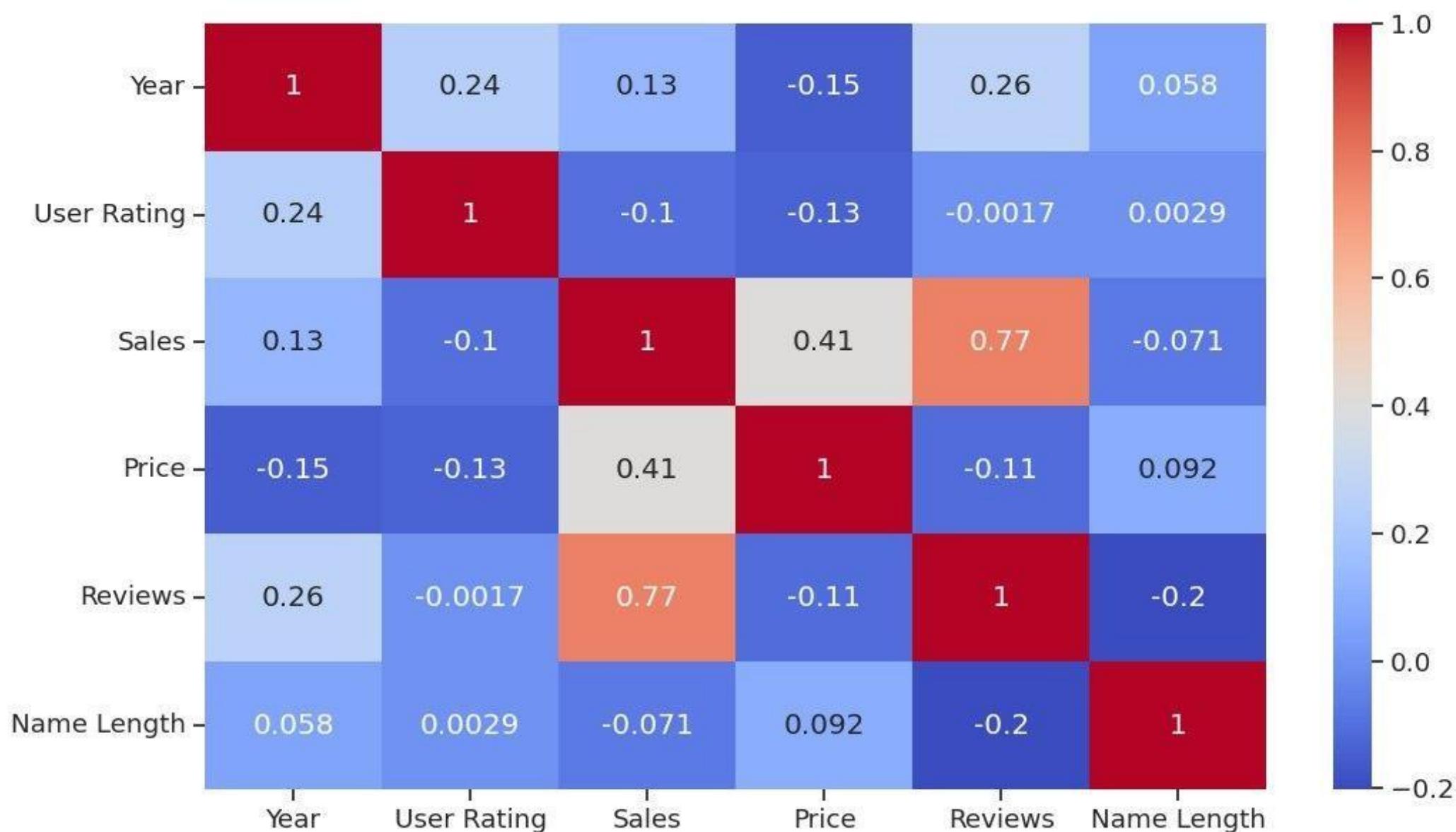


03  
What is the average sales of books in the dataset?

## **avarge sales of books by years**



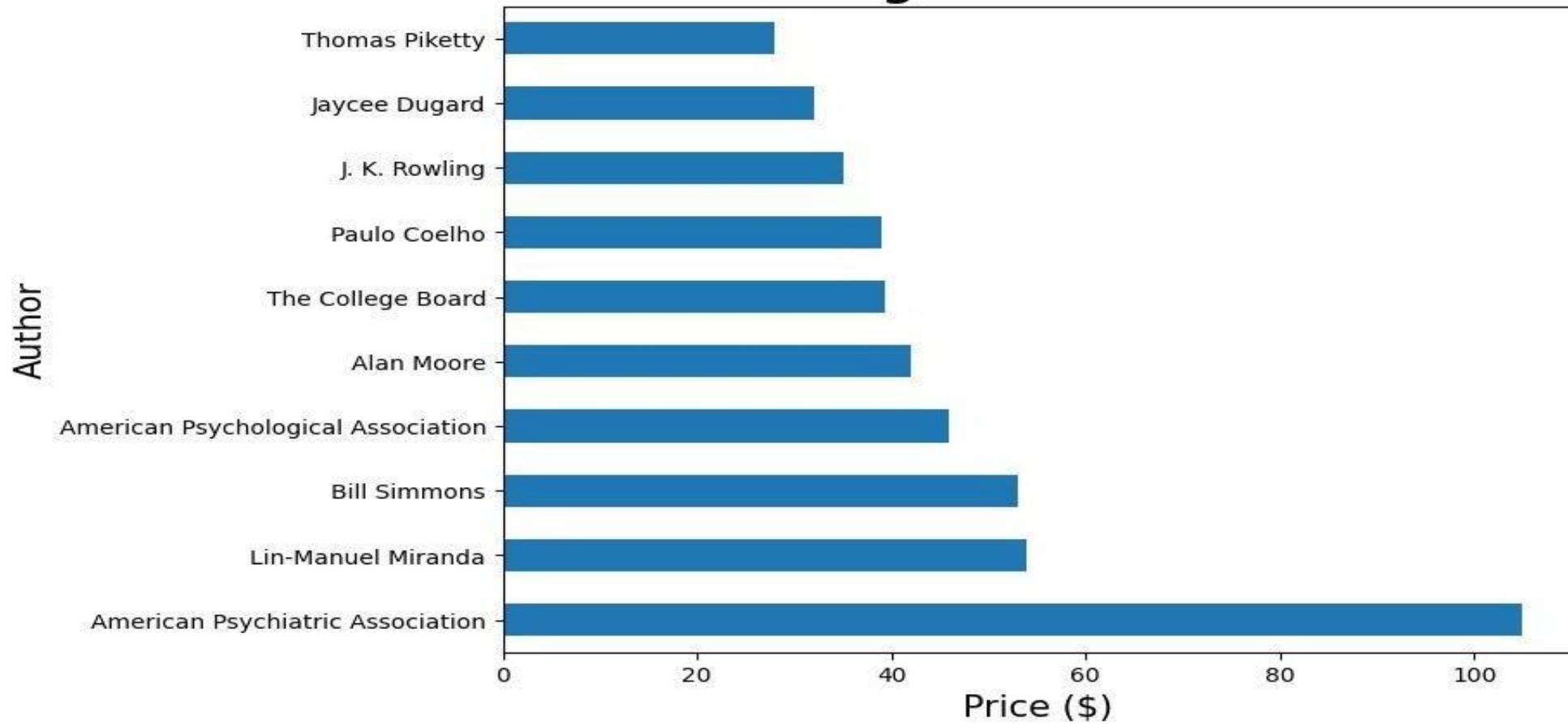
## Correlation Heatmap of Book Features





04  
Which author has the  
highest-priced book ?

## **Best Selling Authors as Per Price**

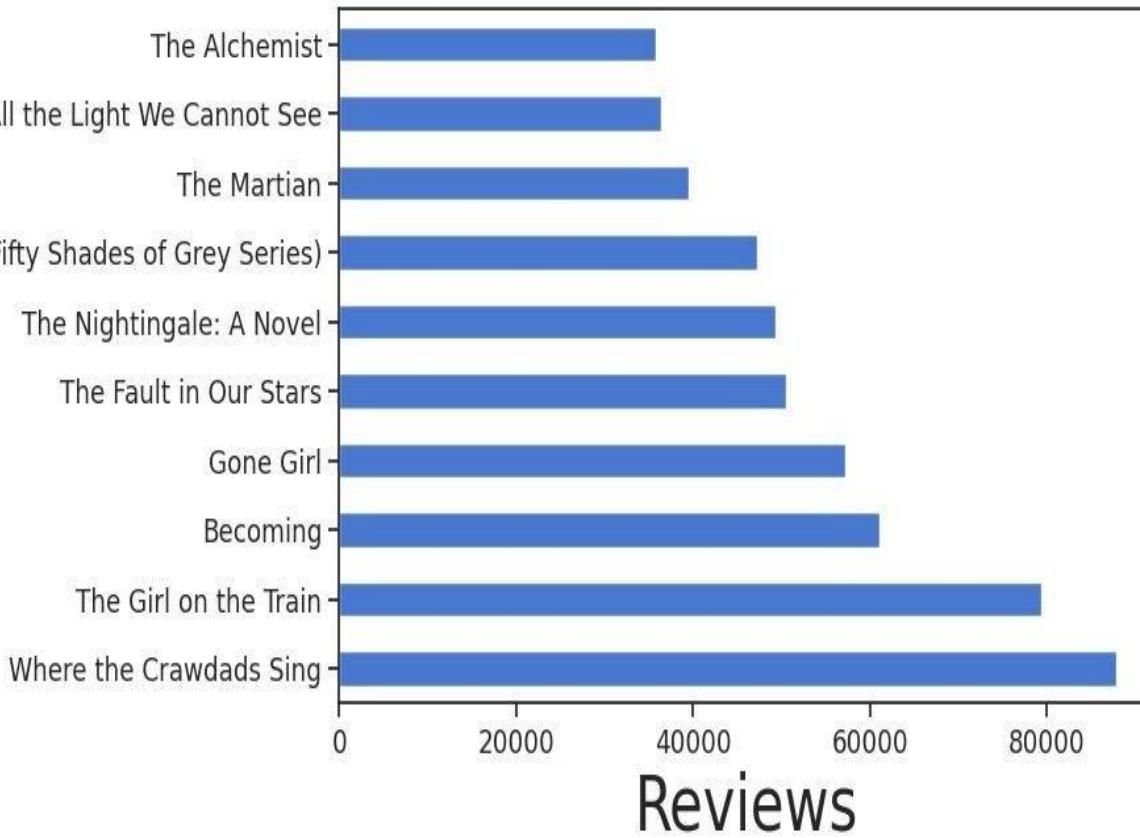




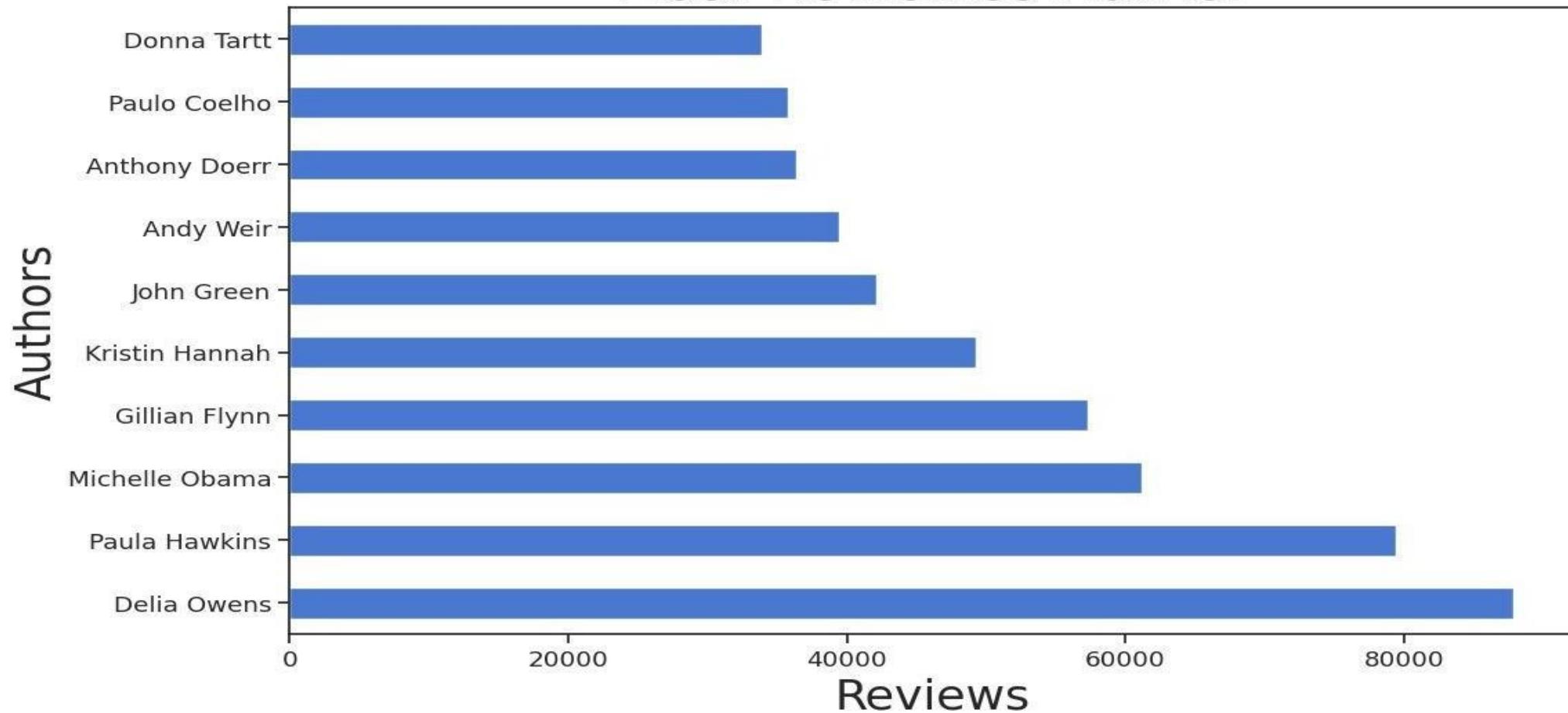
05  
Which authors and  
books has the most  
reviews ?

Book

## Most Reviewed Books



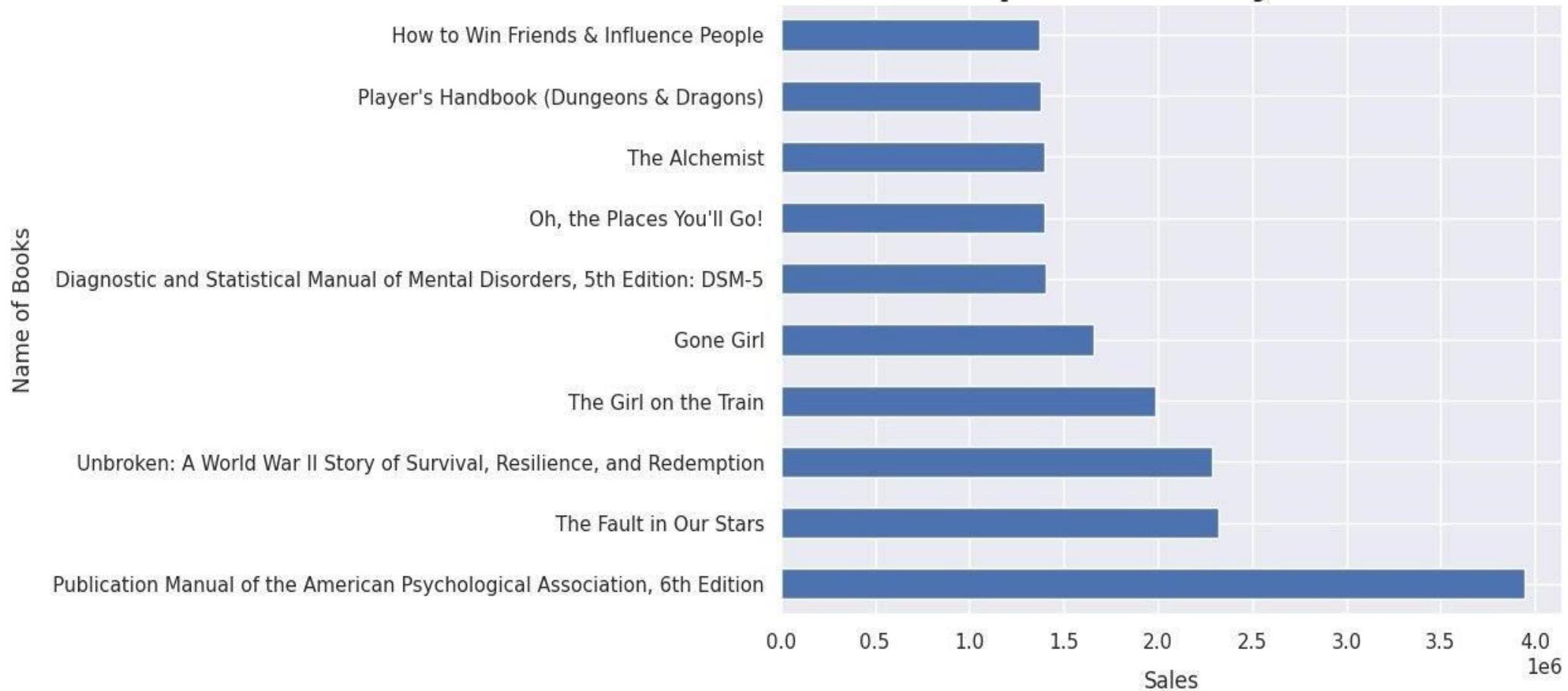
## Most Reviewes Author





06  
What are the top 10  
books by sales ?

## Top 10 books by sales

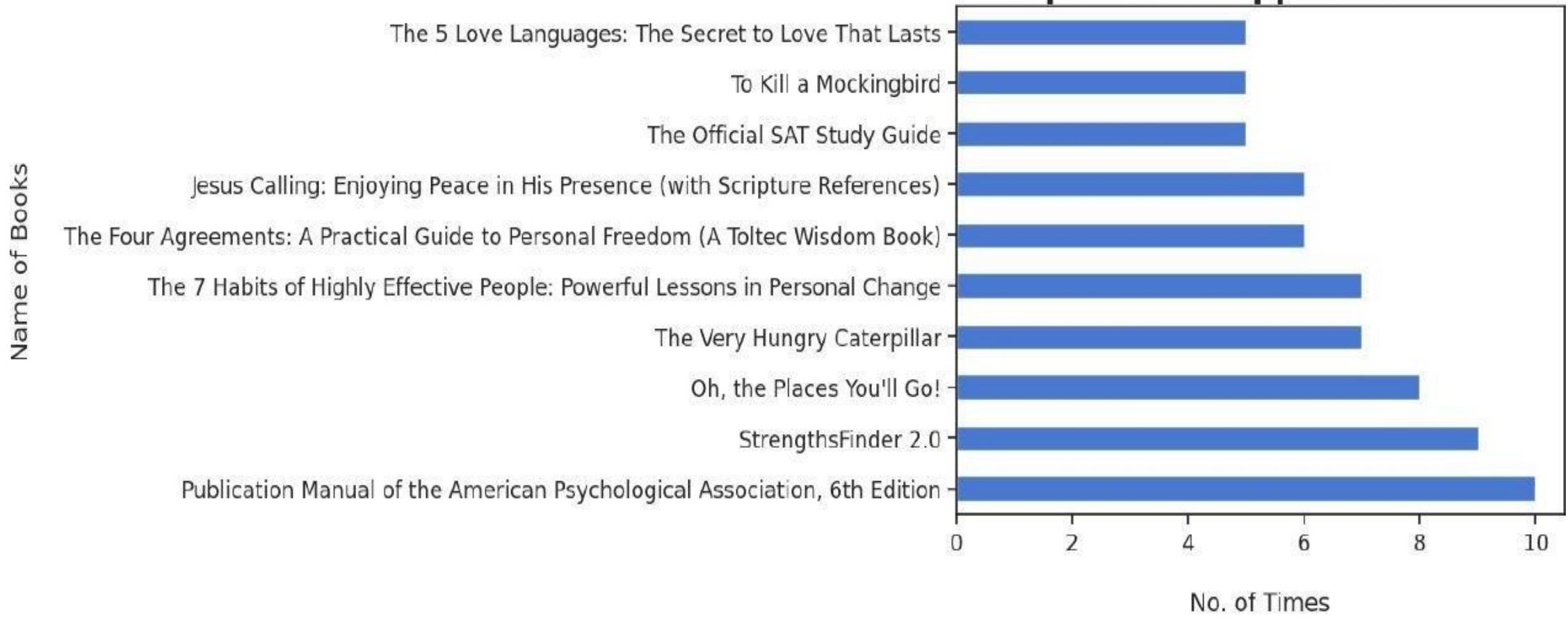




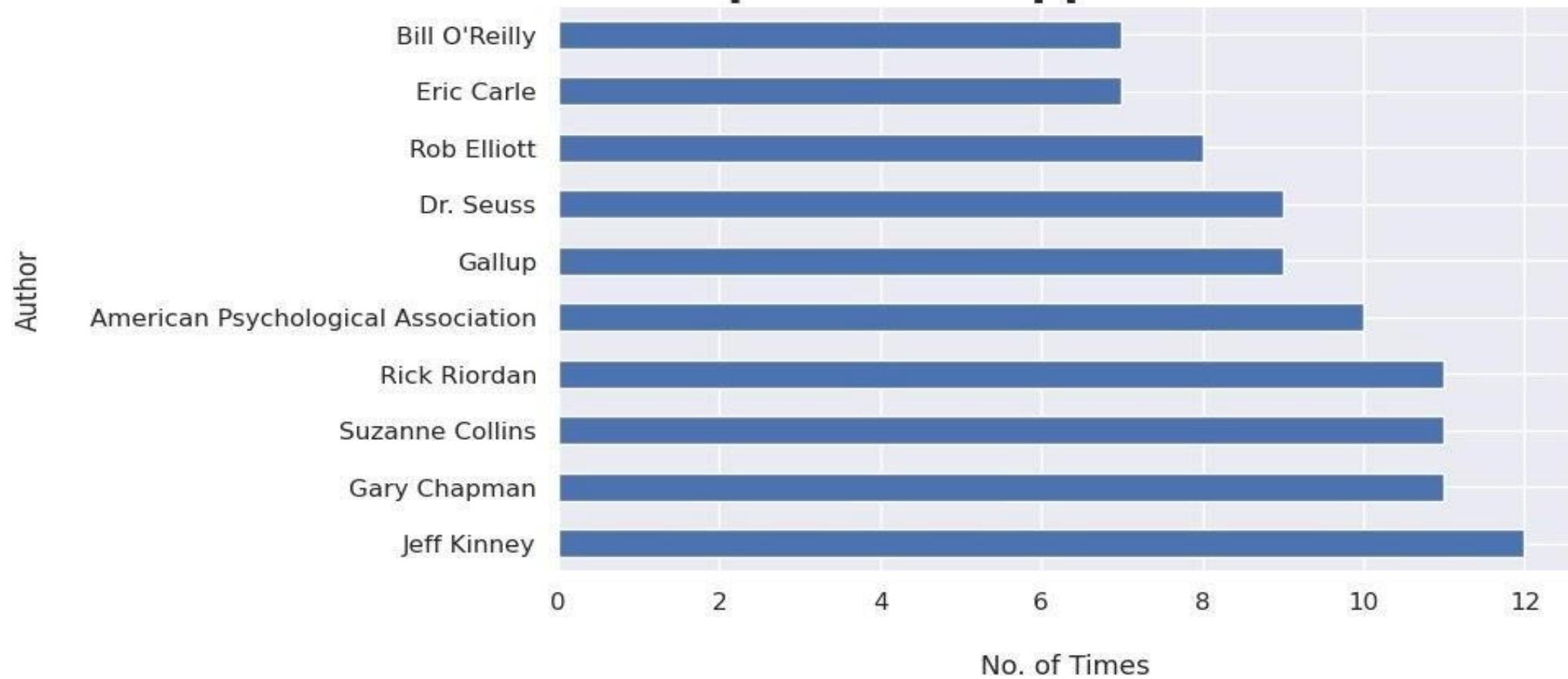
07

Which authors and  
books appear most  
frequently?

## Top 10 Most Appeared Books



## Top 10 Most Appeared Authors



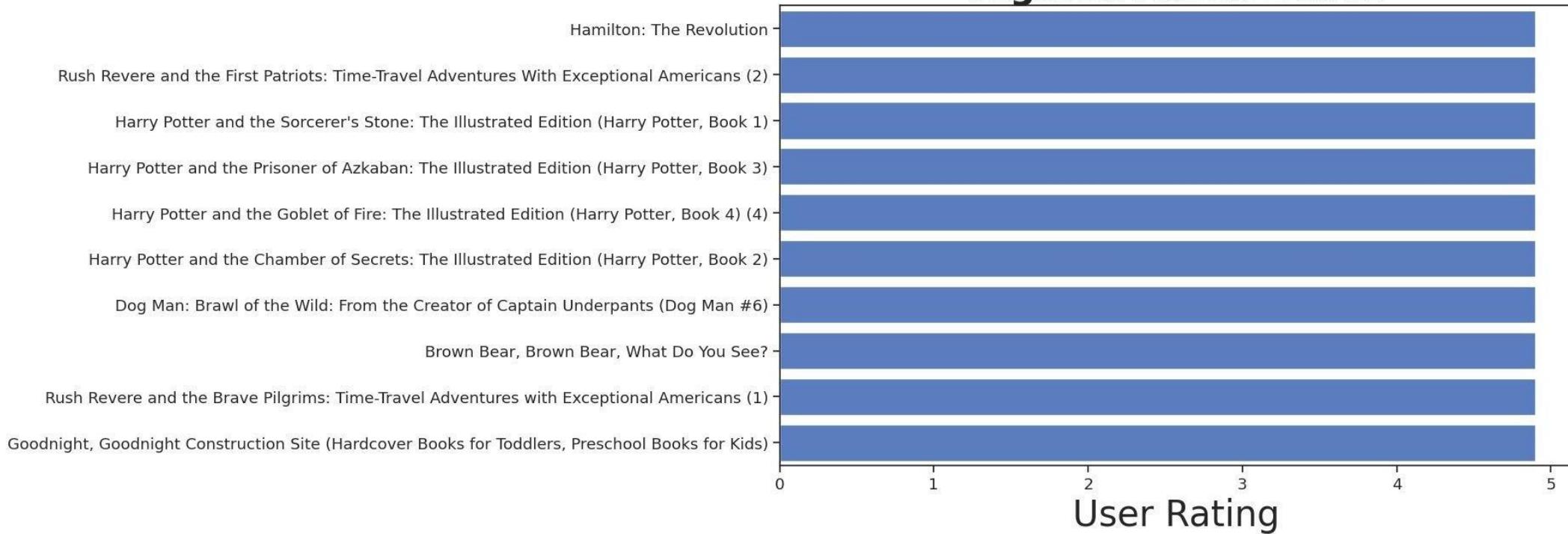


08

What are the books that have received the highest ratings?

## Book

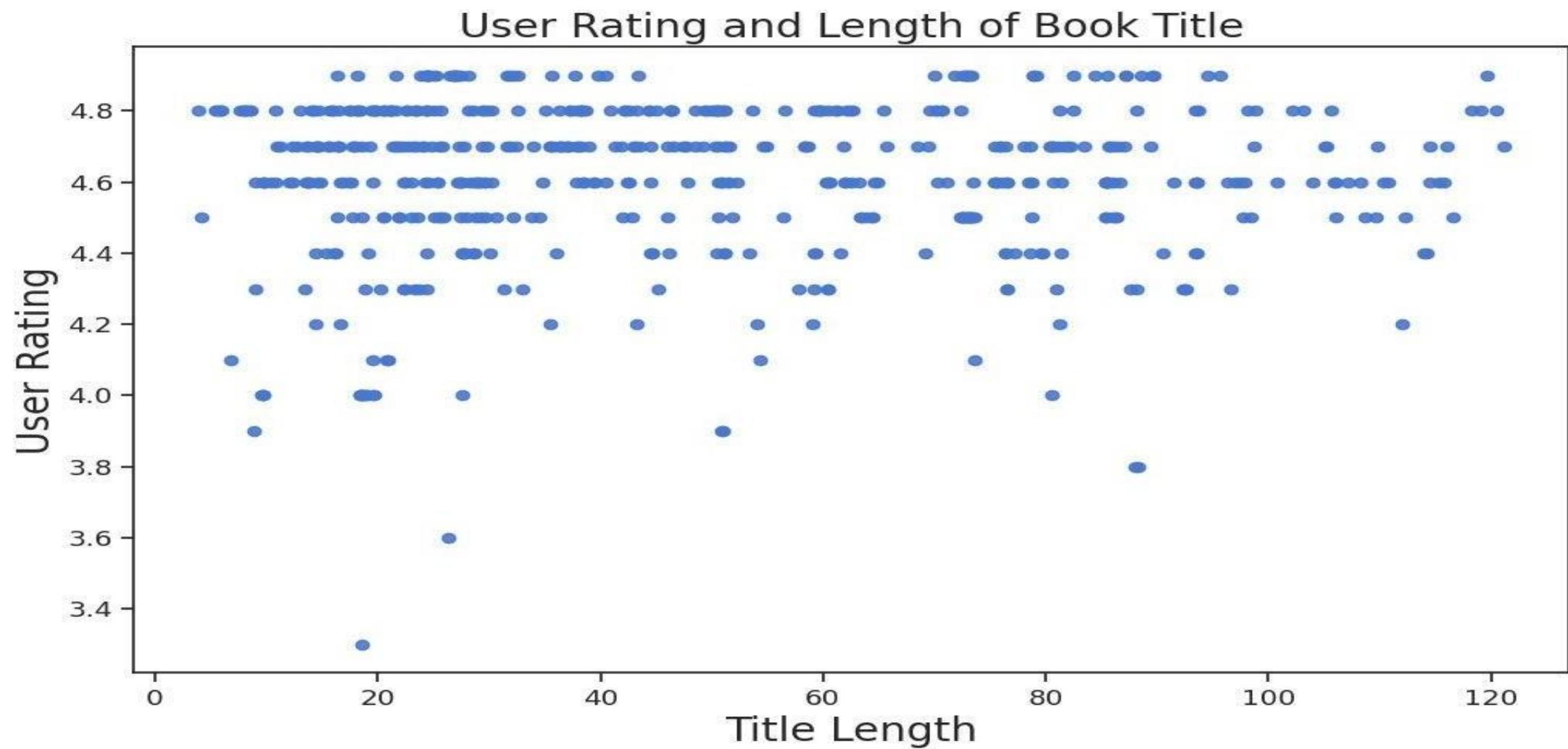
### Highest Rated Books



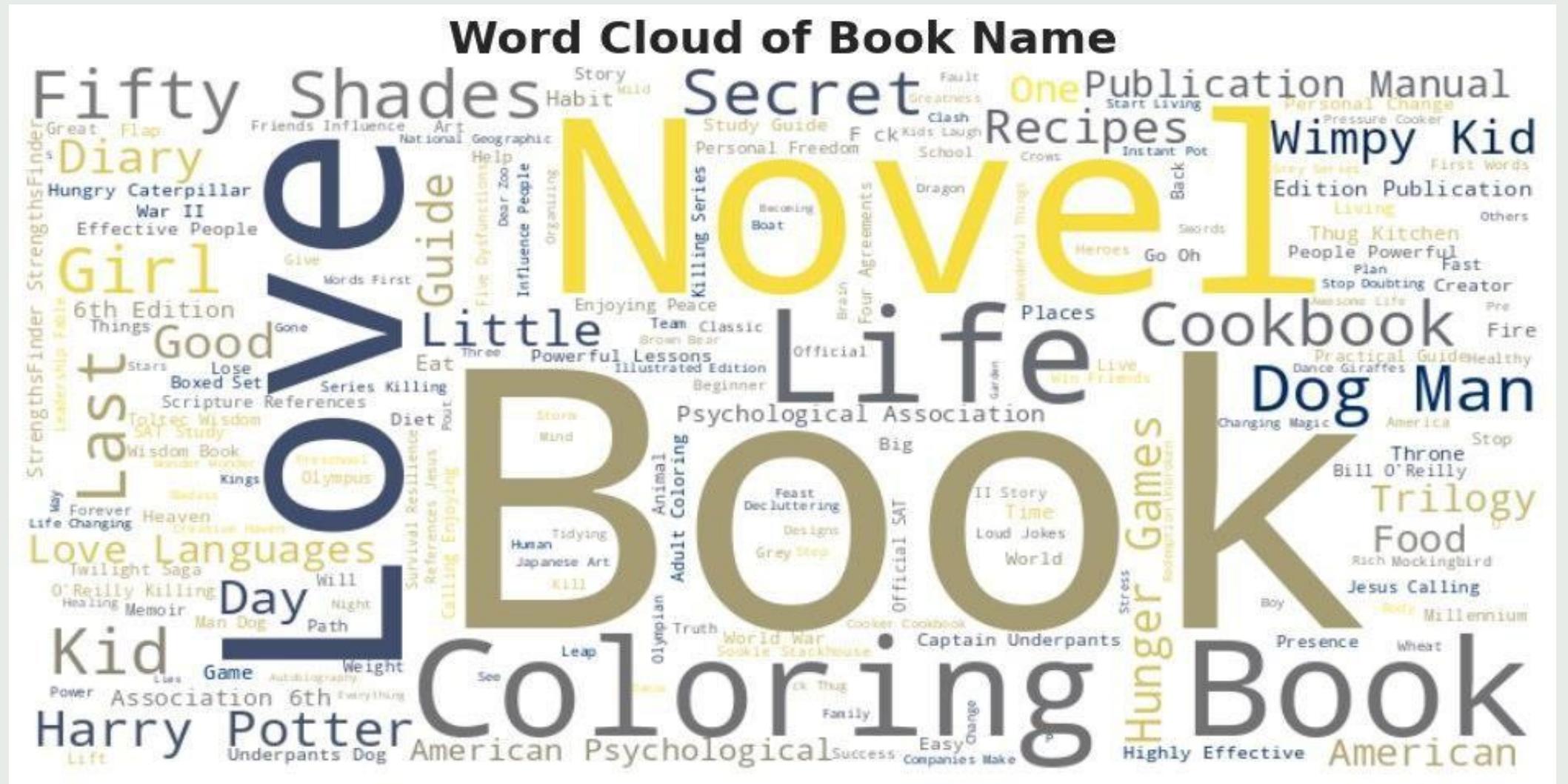


08

Does the length of book  
title affect User Rating?



# Visualize the most frequently used words



# Thank you

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