

Results

Data Cleaning and Preprocessing

This section lists the unique titles associated with the Harry Potter series in the dataset. It's essential to identify these unique titles to ensure that we are focusing on the correct books during our analysis.

Unique Harry Potter Books:

```
["Harry Potter and the Philosopher's Stone"  
'Harry Potter and the Prisoner of Azkaban'  
'Harry Potter and the Order of the Phoenix'  
'Harry Potter and the Chamber of Secrets'  
'Harry Potter and the Goblet of Fire'  
'Harry Potter and the Deathly Hallows'  
'Harry Potter and the Half-Blood Prince'  
'Complete Harry Potter Boxed Set'  
'Harry Potter Collection (Harry Potter, #1-6)'  
'The Magical Worlds of Harry Potter: A Treasury of Myths, Legends, and Fascinating Facts']
```

Missing Values:

The table shows the number of missing values (or NaN values) for each column in the dataset. Having a clear understanding of missing values is crucial as they can affect the quality and reliability of our analysis.

Missing Values:	
book_id	0
goodreads_book_id	0
best_book_id	0
work_id	0
books_count	0
isbn	0
isbn13	0
authors	0
original_publication_year	0
original_title	0
title	0
language_code	0
average_rating	0
ratings_count	0
work_ratings_count	0
work_text_reviews_count	0
ratings_1	0
ratings_2	0
ratings_3	0
ratings_4	0
ratings_5	0
image_url	0
small_image_url	0
dtype: int64	

In this case, there are no missing values in the dataset, which is good news as it ensures the dataset's completeness.

Find the Most Selling Books within the Harry Potter Series :

This section identifies the most selling Harry Potter books based on the number of ratings they have received. The number next to each book title represents the total number of ratings that book has received, which can be an indicator of its popularity and sales.

Most Selling Books in Harry Potter Series:
original_title

Harry Potter and the Philosopher's Stone	4602479
Harry Potter and the Prisoner of Azkaban	1832823
Harry Potter and the Chamber of Secrets	1779331
Harry Potter and the Goblet of Fire	1753043
Harry Potter and the Deathly Hallows	1746574

Name: ratings_count, dtype: int64

- **Harry Potter and the Philosopher's Stone** has the highest number of ratings, with 4,602,479 ratings.
- **Harry Potter and the Prisoner of Azkaban** follows with 1,832,823 ratings.
- **Harry Potter and the Chamber of Secrets** has 1,779,331 ratings.
- **Harry Potter and the Goblet of Fire** has 1,753,043 ratings.
- **Harry Potter and the Deathly Hallows** rounds off the top 5 with 1,746,574 ratings.

Average Rating of the Harry Potter Books

Average rating of the Harry Potter books: 4.49

The average rating across all the Harry Potter books in the dataset is 4.49. This average rating provides an overall measure of the books' quality and reception among readers. A higher average rating indicates that the books are generally well-received by the readers.