

```
df.head()
```

[1]:	book_id	goodreads_book_id	best_book_id	work_id	books_count	isbn	isbn13	authors	original_publication_year	original_title	...	ratings_count
0	1	2767052	2767052	2792775	272	439023483	9.780439e+12	Suzanne Collins	2008.0	The Hunger Games	...	4780653
1	2	3	3	4640799	491	439554934	9.780440e+12	J.K. Rowling, Mary GrandPré	1997.0	Harry Potter and the Philosopher's Stone	...	4602479
2	3	41865	41865	3212258	226	316015849	9.780316e+12	Stephenie Meyer	2005.0	Twilight	...	3866839
3	6	11870085	11870085	16827462	226	525478817	9.780525e+12	John Green	2012.0	The Fault in Our Stars	...	2346404
4	12	13335037	13335037	13155899	210	62024035	9.780062e+12	Veronica Roth	2011.0	Divergent	...	1903563

5 rows × 23 columns

# Check the filtered DataFrame to ensure it contains Harry Potter books

	book_id	goodreads_book_id	best_book_id	work_id	books_count	\
1	2	3	3	4640799	491	
6	18	5	5	2402163	376	
8	21	2	2	2809203	307	
9	23	15881	15881	6231171	398	
10	24	6	6	3046572	332	
11	25	136251	136251	2963218	263	
12	27	1	1	41335427	275	
96	422	862041	862041	2962492	76	
613	3753	10	10	21457570	6	
1036	7018	483445	483445	471792	42	
1266	9048	2002	2002	8621948	5	

	isbn	isbn13	authors	\
1	439554934	9.780440e+12	J.K. Rowling, Mary GrandPré	
6	043965548X	9.780440e+12	J.K. Rowling, Mary GrandPré, Rufus Beck	
8	439358078	9.780439e+12	J.K. Rowling, Mary GrandPré	
9	439064864	9.780439e+12	J.K. Rowling, Mary GrandPré	
10	439139600	9.780439e+12	J.K. Rowling, Mary GrandPré	
11	545010225	9.780545e+12	J.K. Rowling, Mary GrandPré	
12	439785960	9.780440e+12	J.K. Rowling, Mary GrandPré	
96	545044251	9.780545e+12	J.K. Rowling	
613	439827604	9.780440e+12	J.K. Rowling	
1036	042519891X	9.780425e+12	David Colbert	
1266	043932162X	9.780439e+12	J.K. Rowling	

	original_publication_year	\
1	1997.0	
6	1999.0	

	work_ratings_count	work_text_reviews_count	ratings_1	ratings_2	\
1	4800065	75867	75504	101676	
6	1969375	36099	6716	20413	
8	1840548	28685	9528	31577	
9	1906199	34172	8253	42251	
10	1868642	31084	6676	20210	
11	1847395	51942	9363	22245	
12	1785676	27520	7308	21516	
96	204125	6508	1105	1285	
613	26274	882	203	186	
1036	15145	267	329	1125	
1266	11732	185	106	304	

	ratings_3	ratings_4	ratings_5	\
1	455024	1156318	3011543	
6	166129	509447	1266670	
8	180210	494427	1124806	
9	242345	548266	1065084	
10	151785	494926	1195045	
11	113646	383914	1318227	
12	136333	459028	1161491	
96	7020	30666	164049	
613	946	3891	21048	
1036	3766	3593	6332	
1266	1548	2595	7179	

	image_url	\
1	<a href="https://images.gr-assets.com/books/1474154022m...">https://images.gr-assets.com/books/1474154022m...</a>	
6	<a href="https://images.gr-assets.com/books/1499277281m...">https://images.gr-assets.com/books/1499277281m...</a>	
8	<a href="https://images.gr-assets.com/books/1387141547m...">https://images.gr-assets.com/books/1387141547m...</a>	
9	<a href="https://images.gr-assets.com/books/1474169725m...">https://images.gr-assets.com/books/1474169725m...</a>	
10	<a href="https://images.gr-assets.com/books/1361482611m...">https://images.gr-assets.com/books/1361482611m...</a>	
11	<a href="https://images.gr-assets.com/books/1474171184m...">https://images.gr-assets.com/books/1474171184m...</a>	

	original_publication_year \
1	1997.0
6	1999.0
8	2003.0
9	1998.0
10	2000.0
11	2007.0
12	2005.0
96	1998.0
613	2005.0
1036	2001.0
1266	2001.0

	original_title	...	ratings_count \
1	Harry Potter and the Philosopher's Stone	...	4602479
6	Harry Potter and the Prisoner of Azkaban	...	1832823
8	Harry Potter and the Order of the Phoenix	...	1735368
9	Harry Potter and the Chamber of Secrets	...	1779331
10	Harry Potter and the Goblet of Fire	...	1753043
11	Harry Potter and the Deathly Hallows	...	1746574
12	Harry Potter and the Half-Blood Prince	...	1678823
96	Complete Harry Potter Boxed Set	...	190050
613	Harry Potter Collection (Harry Potter, #1-6)	...	24618
1036	The Magical Worlds of Harry Potter: A Treasury...	...	13820
1266	NaN	...	10736

	work_ratings_count	work_text_reviews_count	ratings_1	ratings_2 \
1	4800065	75867	75504	101676
6	1969375	36099	6716	20413
8	1840548	28685	9528	31577
9	1906199	34172	8253	42251
10	1868642	31084	6676	20210
11	1847395	51942	9363	22245
12	1785676	27520	7308	21516

```

1      https://images.gr-assets.com/books/1474154022s...
6      https://images.gr-assets.com/books/1499277281s...
8      https://images.gr-assets.com/books/1387141547s...
9      https://images.gr-assets.com/books/1474169725s...
10     https://images.gr-assets.com/books/1361482611s...
11     https://images.gr-assets.com/books/1474171184s...
12     https://images.gr-assets.com/books/1361039191s...
96     https://images.gr-assets.com/books/1392579059s...
613    https://images.gr-assets.com/books/1328867351s...
1036   https://s.gr-assets.com/assets/nophoto/book/50...
1266   https://images.gr-assets.com/books/1479775271s...

```

[11 rows x 23 columns]

```
[3]: print(df.columns)
```

```

Index(['book_id', 'goodreads_book_id', 'best_book_id', 'work_id',
      'books_count', 'isbn', 'isbn13', 'authors', 'original_publication_',
      'original_title', 'title', 'language_code', 'average_rating',
      'ratings_count', 'work_ratings_count', 'work_text_reviews_count',
      'ratings_1', 'ratings_2', 'ratings_3', 'ratings_4', 'ratings_5',
      'image_url', 'small_image_url'],
      dtype='object')

```

```

                                     image_url \
1      https://images.gr-assets.com/books/1474154022m...
6      https://images.gr-assets.com/books/1499277281m...
8      https://images.gr-assets.com/books/1387141547m...
9      https://images.gr-assets.com/books/1474169725m...
10     https://images.gr-assets.com/books/1361482611m...
11     https://images.gr-assets.com/books/1474171184m...
12     https://images.gr-assets.com/books/1361039191m...
96     https://images.gr-assets.com/books/1392579059m...
613    https://images.gr-assets.com/books/1328867351m...
1036   https://s.gr-assets.com/assets/nophoto/book/11...
1266   https://images.gr-assets.com/books/1479775271m...

```

```

                                     small_image_url
1      https://images.gr-assets.com/books/1474154022s...
6      https://images.gr-assets.com/books/1499277281s...
8      https://images.gr-assets.com/books/1387141547s...
9      https://images.gr-assets.com/books/1474169725s...
10     https://images.gr-assets.com/books/1361482611s...
11     https://images.gr-assets.com/books/1474171184s...
12     https://images.gr-assets.com/books/1361039191s...
96     https://images.gr-assets.com/books/1392579059s...
613    https://images.gr-assets.com/books/1328867351s...
1036   https://s.gr-assets.com/assets/nophoto/book/50...
1266   https://images.gr-assets.com/books/1479775271s...

```

book_id	0
goodreads_book_id	0
best_book_id	0
work_id	0
books_count	0
isbn	52
isbn13	44
authors	0
original_publication_year	3
original_title	52
title	0
language_code	109
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

```
[15]: print("Most Selling Books in the Harry Potter Series:")
      print(most_selling_books[['title', 'ratings_count']])
```

Most Selling Books in the Harry Potter Series:

	title	ratings_count
1	Harry Potter and the Sorcerer's Stone (Harry P...	4602479
6	Harry Potter and the Prisoner of Azkaban (Harr...	1832823
9	Harry Potter and the Chamber of Secrets (Harry...	1779331
10	Harry Potter and the Goblet of Fire (Harry Pot...	1753043
11	Harry Potter and the Deathly Hallows (Harry Po...	1746574
8	Harry Potter and the Order of the Phoenix (Har...	1735368
12	Harry Potter and the Half-Blood Prince (Harry ...	1678823
96	Harry Potter Boxset (Harry Potter, #1-7)	190050
613	Harry Potter Collection (Harry Potter, #1-6)	24618
1036	The Magical Worlds of Harry Potter: A Treasury...	13820
1266	Harry Potter Schoolbooks Box Set: Two Classic ...	10736

```
[16]: # Calculate the average rating of the Harry Potter books
      average_rating = harry_potter_df['average_rating'].mean()
```

```
[17]: # Print the average rating of the Harry Potter books
      print("Average Rating of Harry Potter Books:", average_rating)
```

Average Rating of Harry Potter Books: 4.482727272727273

Histogram of Average Ratings for Harry Potter Books

