

Assignment 2

Analysis o/p

Summary statistics for Harry Potter series:

	book_id	goodreads_book_id	best_book_id	work_id \
count	11.000000	11.000000	11.000000	1.100000e+01
mean	1852.818182	136331.545455	136331.545455	8.812941e+06
std	3280.589301	281283.684187	281283.684187	1.220706e+07
min	2.000000	1.000000	1.000000	4.717920e+05
25%	22.000000	4.000000	4.000000	2.885848e+06
50%	25.000000	10.000000	10.000000	3.046572e+06
75%	2087.500000	76066.000000	76066.000000	7.426560e+06
max	9048.000000	862041.000000	862041.000000	4.133543e+07

	books_count	isbn13	original_publication_year	average_rating \
count	11.000000	1.100000e+01	11.000000	11.000000
mean	233.727273	9.780457e+12	2001.272727	4.482727
std	172.283540	4.355258e+07	3.319365	0.211286
min	5.000000	9.780425e+12	1997.000000	3.960000
25%	59.000000	9.780439e+12	1998.500000	4.420000
50%	275.000000	9.780440e+12	2001.000000	4.530000
75%	354.000000	9.780440e+12	2004.000000	4.575000
max	491.000000	9.780545e+12	2007.000000	4.740000

	ratings_count	work_ratings_count	work_text_reviews_count \
count	1.100000e+01	1.100000e+01	11.000000
mean	1.397060e+06	1.479561e+06	26655.545455
std	1.350155e+06	1.414079e+06	23871.676696
min	1.073600e+04	1.173200e+04	185.000000
25%	1.073340e+05	1.151995e+05	3695.000000
50%	1.735368e+06	1.840548e+06	28685.000000
75%	1.766187e+06	1.887420e+06	35135.500000
max	4.602479e+06	4.800065e+06	75867.000000

	ratings_1	ratings_2	ratings_3	ratings_4	ratings_5
count	11.000000	11.000000	11.000000	1.100000e+01	1.100000e+01
mean	11371.909091	23889.818182	132613.818182	3.715519e+05	9.401340e+05
std	21608.686459	29373.903686	136751.342461	3.503036e+05	8.884497e+05
min	106.000000	186.000000	946.000000	2.595000e+03	6.332000e+03
25%	717.000000	1205.000000	5393.000000	1.727850e+04	9.254850e+04
50%	6716.000000	20413.000000	136333.000000	4.590280e+05	1.124806e+06
75%	8808.000000	26911.000000	173169.500000	5.021865e+05	1.230858e+06
max	75504.000000	101676.000000	455024.000000	1.156318e+06	3.011543e+06

Average rating of Harry Potter books: 4.482727272727273

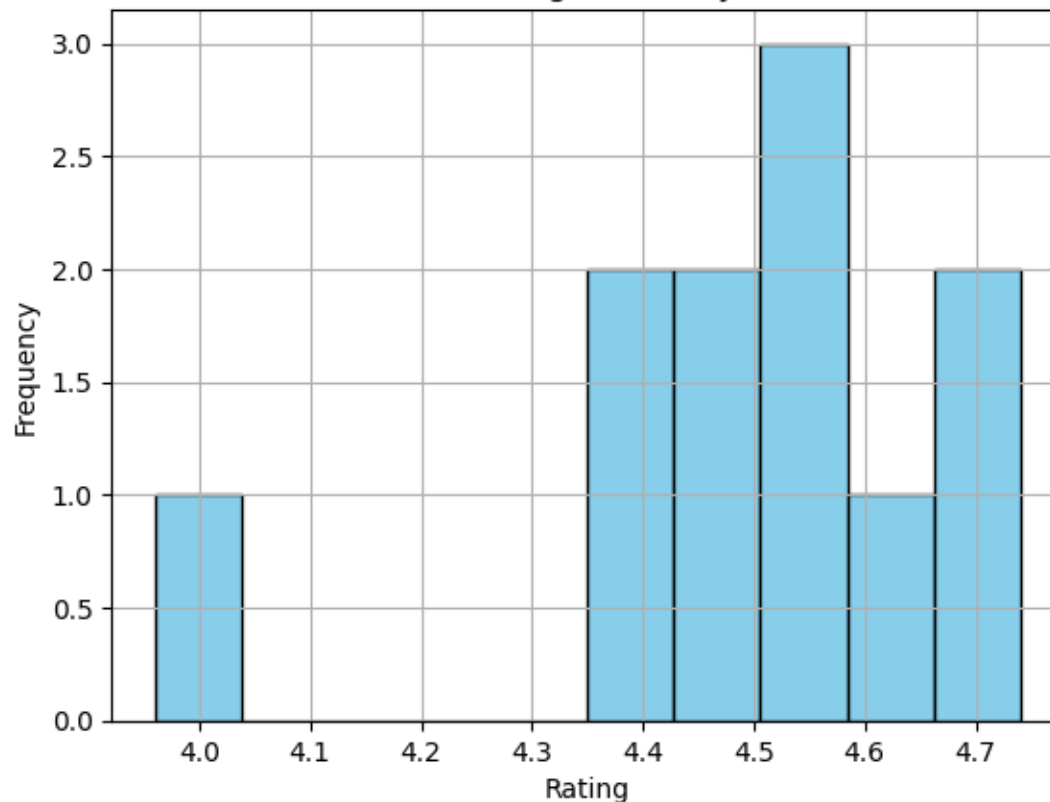
Number of ratings for each Harry Potter book:

	title	ratings_count
1	Harry Potter and the Sorcerer's Stone (Harry P...	4602479
6	Harry Potter and the Prisoner of Azkaban (Harr...	1832823
8	Harry Potter and the Order of the Phoenix (Har...	1735368
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
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

Top selling Harry Potter books:

	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

Distribution of Ratings for Harry Potter Books



Summary Statistics:

the average rating of the Harry Potter books is approximately 4.48, indicating a high level of reader satisfaction.

Distribution of Ratings:

From the histogram, it can be observed that the majority of the books have ratings clustered around the range of 4.4 to 4.6, indicating that most readers have rated the books positively.

Top Selling Books:

The analysis identifies the top selling Harry Potter books based on the number of ratings they have received. The top selling books within the series, ranked by the number of ratings, are:

- "Harry Potter and the Sorcerer's Stone" with 4,602,479 ratings.
- "Harry Potter and the Prisoner of Azkaban" with 1,832,823 ratings.
- "Harry Potter and the Chamber of Secrets" with 1,779,331 ratings.
- "Harry Potter and the Goblet of Fire" with 1,753,043 ratings.
- "Harry Potter and the Deathly Hallows" with 1,746,574 ratings.