Figure 1. Scatterplot Matrix of Ratings, Reviews, and Pages

Data story message Figure 1:

There are 4 variables in this scatterplot matrix. Rating count and review count are strongly positively linearly related, indicating that most reviewers would give reviews and ratings to a book or publication simultaneously. The number of reviews and ratings are both not linearly related to average rating score of a book or publication, indicating that most reviews and raters provided objective and ratings and reviews for user reference. There is no linear correlation between the average ratings and page numbers of books and publications, which further proves the high objectivity, fairness, and credibility of reviews and ratings.
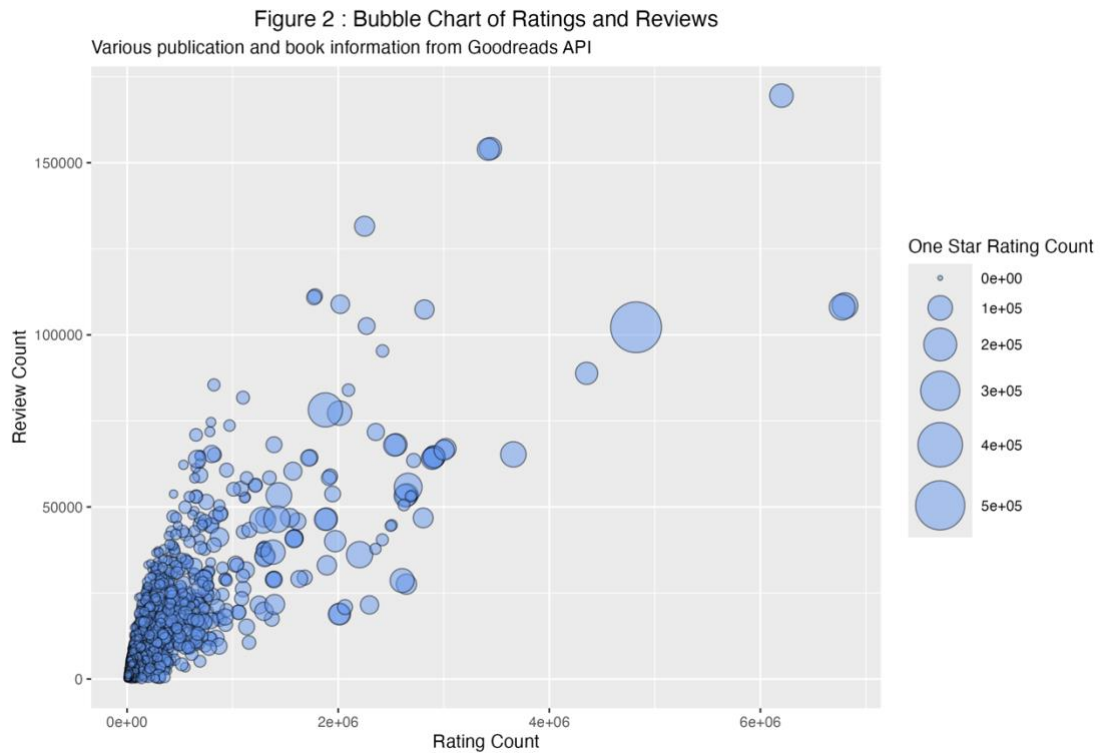
Figure 2. Bubble Chart of Ratings and Reviews

Data story message Figure 2:

There are 3 variables in this bubble chart. Rating count and review count are strongly positively linearly related, indicating that most reviewers would give reviews and ratings to a book or publication simultaneously. Most books and publications receive a small number of one star ratings compared to the reviews and ratings they receive, indicating that most books and publications are reliable and high-qualified.
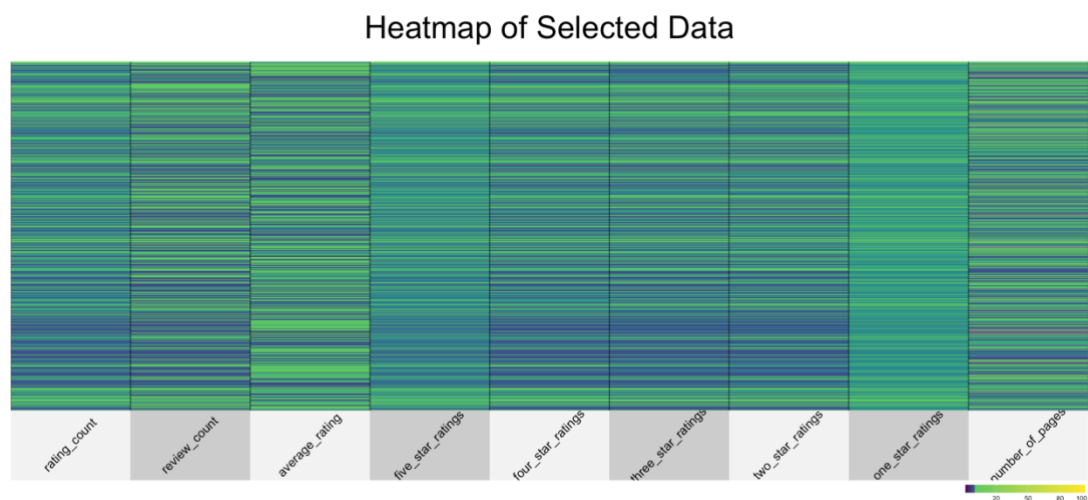

Figure 3. Heatmap of all publications and books for selected data (ratings and reviews)

Data story message Figure 3:

There are 9 variables in this heatmap, showing 9 columns of information for all books and publications. Each column of information is scaled to 0 mean and standard deviation of 1. There're similar patterns among five star ratings, four star ratings, three star ratings, two star ratings, and one star ratings for all books and publications, indicating that the ratings are likely influenced by similar factors or share common characteristics across these groups, suggesting a potential trend or correlation in the way reviewers and users rate the books and publications. Therefore, most reviews and ratings for books and publications are reliable and high-qualified.
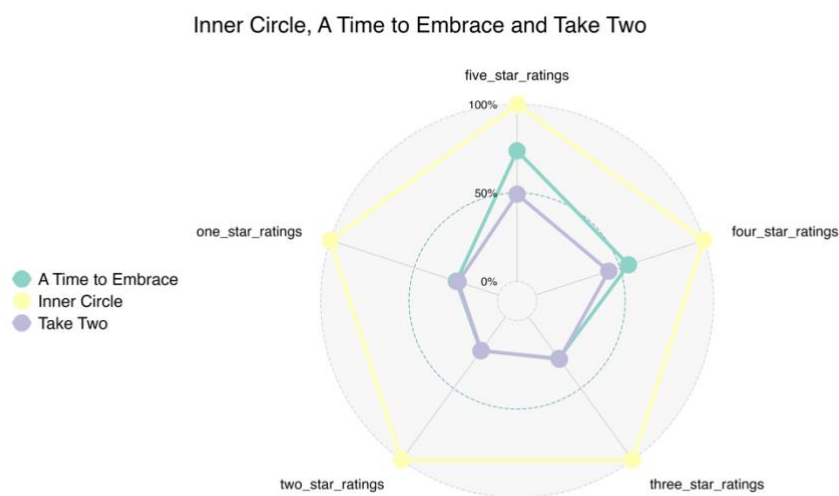

Figure 4. Radar plot of three books and publications on ratings

Data story message Figure 4:

There are 2 variables in this radar plot for the selected 3 books and publications. The book titled "Inner Circle" receives the highest ratings among them, while the other two books receive similar ratings except for high-star ratings (4 and 5), indicating that "Inner Circle" is more favorably by reviewers, particularly in terms of higher-star ratings, while the other two books may have more balanced or lower ratings in comparison.
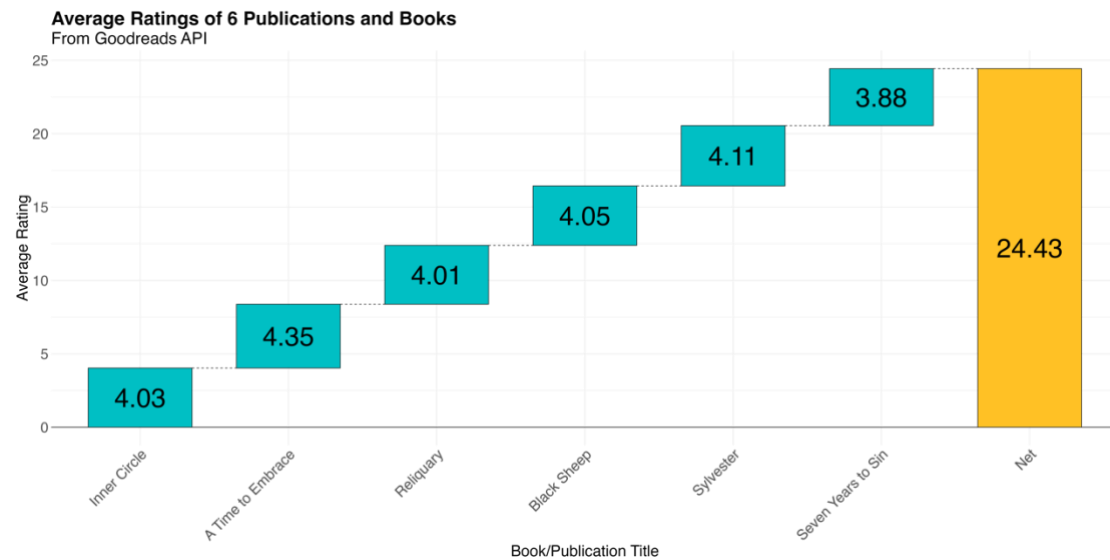
Figure 5. Average ratings of 6 books and publications

Data story message Figure 5:

There are 2 variables (Book, average ratings) in this radar plot for the selected 6 books and publications. These 6 books received similar average ratings around 4 except for the book titled "Seven Years to Sin" with 3.88. By randomly selecting 6 books and publications, we can hypothesis that most books and publications receive similar average ratings from reviewers, indicating potential average high-quality among all books and publications.