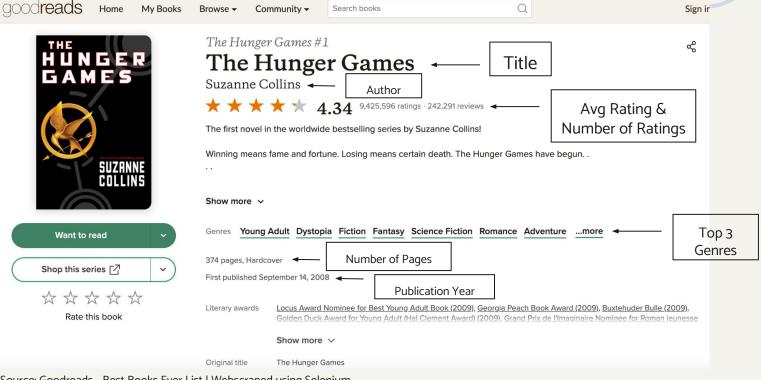
Predicting Average Rating

From Goodreads

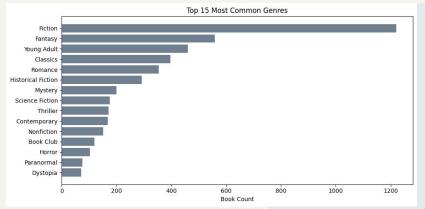
Webscrape - Extracting Data



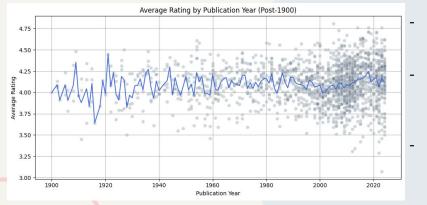
Source: Goodreads - Best Books Ever List I Webscraped using Selenium

Exploratory Analysis

1996 Rows, 7 Columns



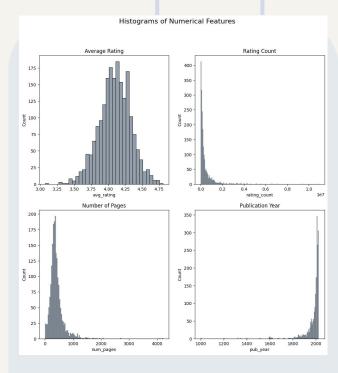
Fiction dominates the dataset, followed by Fantasy, Young Adult, and Classics



Ratings remain stable between 4.0 and 4.3

There is higher variance in older publication years (1900–1950)

Post-2000, there's a much denser concentration of books with ratings centered around 4.1



- Avg rating: Nearly normal distribution centered at ~4.1
- Rating_count, num_pages, and pub_year: All highly skewed
- Log transformations may be needed for modeling due to skew

Project Proposal

Objective: Analyze Goodreads book data to explore how features like publication year, page count, and genre relate to average book ratings

Approach: Engineer additional features such as book age, log-transformed variables, top genre indicators, author popularity, and interaction terms to enhance model performance

Next Steps: Build a regression model (e.g., linear regression, random forest) to predict average ratings, and analyze which features (e.g., genre, length, popularity) most influence reader satisfaction