



# Books Analysis Dashboard Documentation

## 1. Problem Statement

Book-related businesses (publishers, retailers, or libraries) often face challenges in understanding:

- Which categories of books generate the highest revenue.
- How book availability and pricing vary across genres.
- How customer ratings are distributed across titles.

Without proper analysis, decision-making about inventory, pricing, and marketing strategies can be inefficient.

This dashboard was developed to address these issues by providing a **comprehensive view of book sales, availability, pricing, and ratings**, enabling stakeholders to make data-driven decisions.

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## 2. Objectives

- To track and monitor the **total revenue generated** from books.
  - To analyze **availability of books** across different categories.
  - To evaluate **average and total ratings** of books by category and title.
  - To identify **high-performing and low-performing categories** based on price, availability, and ratings.
  - To provide a **user-friendly visualization** that supports quick insights.
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## 3. Data Overview

- **Total Price (Revenue):** \$35.07K
  - **Price Range (Min–Max):** \$10 – \$59.99
  - **Total Availability:** 8,585 books
  - **Total Ratings Count:** 2,923
  - **Average Rating:** 2.92
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## 4. Key Metrics & Visuals

### 1. Total Price by Category

- Sequential Art: \$2.6K
- Young Adult: \$1.9K
- Women’s Fiction: \$0.6K
- Travel: \$0.4K
- Thriller: \$0.3K
- Spirituality: \$0.2K
- Sports and Games: \$0.2K
- Self Help: \$0.2K
- Suspense / Short Stories: \$0.1K–\$0.0K

## 2. Total Availability by Category

- Sequential Art: 686
- Young Adult: 464
- Thriller: 119
- Women's Fiction: 91
- Travel: 89
- Spirituality: 69
- Self Help: 59
- Sports and Games: 10

## 3. Ratings by Book Title

- Highly rated titles include:
  - *You (You #1)* – 5 stars
  - *Y: The Last Man, Vol. 1* – 4 stars
  - *Wuthering Heights* – 3 stars
  - *Zero to One* – 3 stars
- Some books received lower ratings, e.g., *Zero History*.

## 4. Filter Options

- Availability (All / By Category)
- Rating Category

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## 5. Insights

- **Sequential Art** contributes the most in both availability (686 books) and price (\$2.6K revenue).
- **Young Adult** books are the second most significant category, with strong availability and price performance.
- **Self Help, Spirituality, and Sports** categories have low revenue and availability, suggesting niche markets or underperformance.
- The **average rating is only 2.92**, which indicates customer satisfaction may be low overall.
- Some titles stand out with high ratings, making them potential **best-sellers** or **flagship products**.

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## 6. Benefits of the Dashboard

- **Data-driven inventory management:** Helps identify categories with high demand and low supply.
- **Revenue optimization:** Understands pricing distribution across genres.
- **Customer insights:** Assesses which books resonate well with readers through ratings.
- **Strategic decisions:** Supports targeted promotions, acquisitions, or publishing focus.

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## 7. Recommendations

- Increase availability in **high-performing categories** like Sequential Art and Young Adult.
- Reassess pricing or marketing strategies for **low-performing categories** (Self Help, Sports).
- Conduct deeper **sentiment analysis on ratings** to understand why the average rating is low.
- Highlight and promote **highly rated titles** to attract more customers.