Book Recommender System

Connie Tiet

End Users

- Recommendations

Film Studios

- Movie adaptations
- Storylines
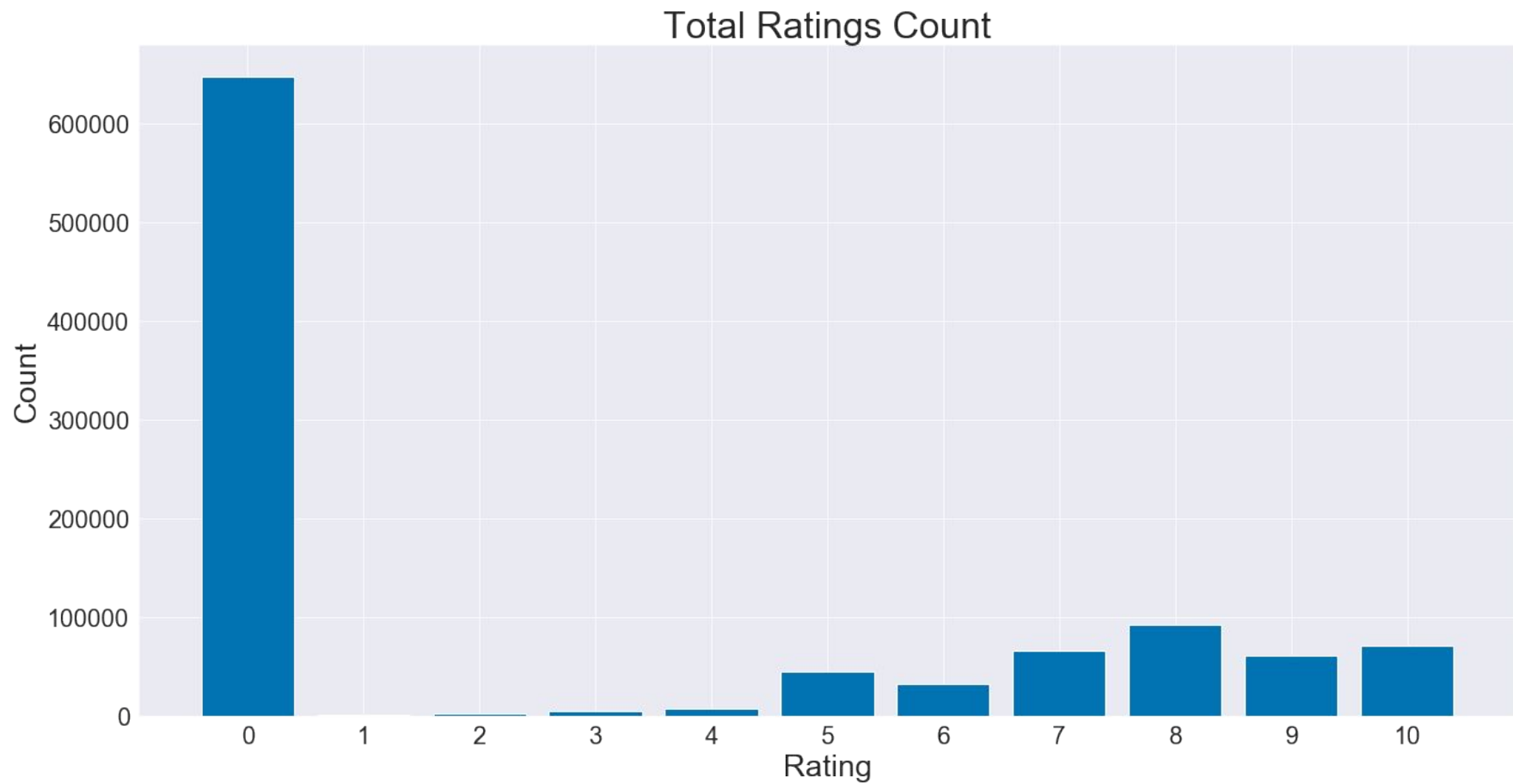- Existing fanbase

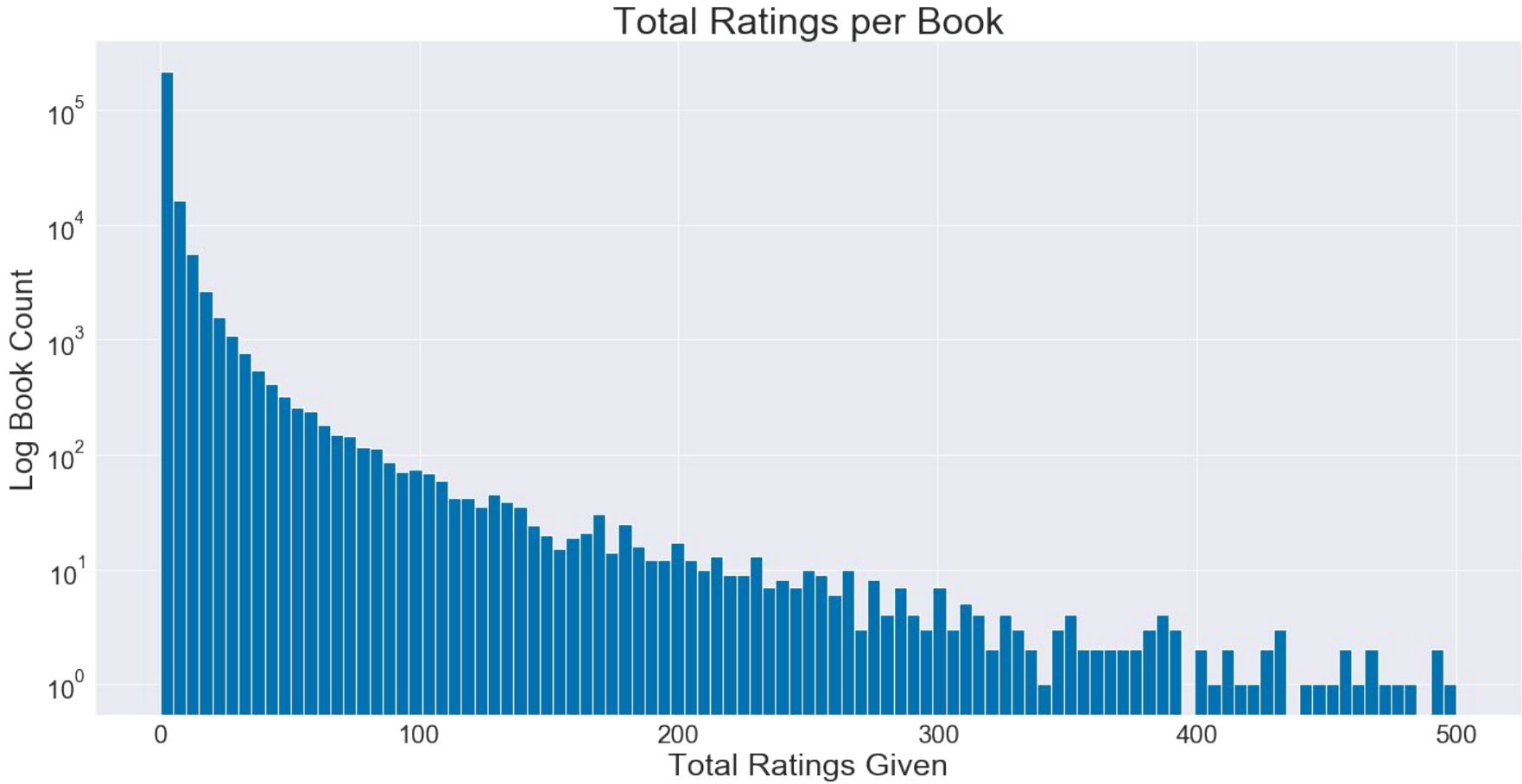## Publishing Companies

- New publications
- Common traits

Site	Book Crossing
Source	University of Freiburg's Department of Computer Science
Time Period	August - September 2004
Tables	Books 271,379 Users 278,858 Ratings 1,149,780

Total Ratings Count

Total Ratings per Book

Ratings	Explicit (1 - 10)
Threshold	Books must have at least 4 ratings
Scaling	Remove item bias
Tables	Books 18,263
	Users 51,762
	Ratings 224,114
Metric	Cosine Similarity (-1 to 1)

Total Explicit Ratings Count
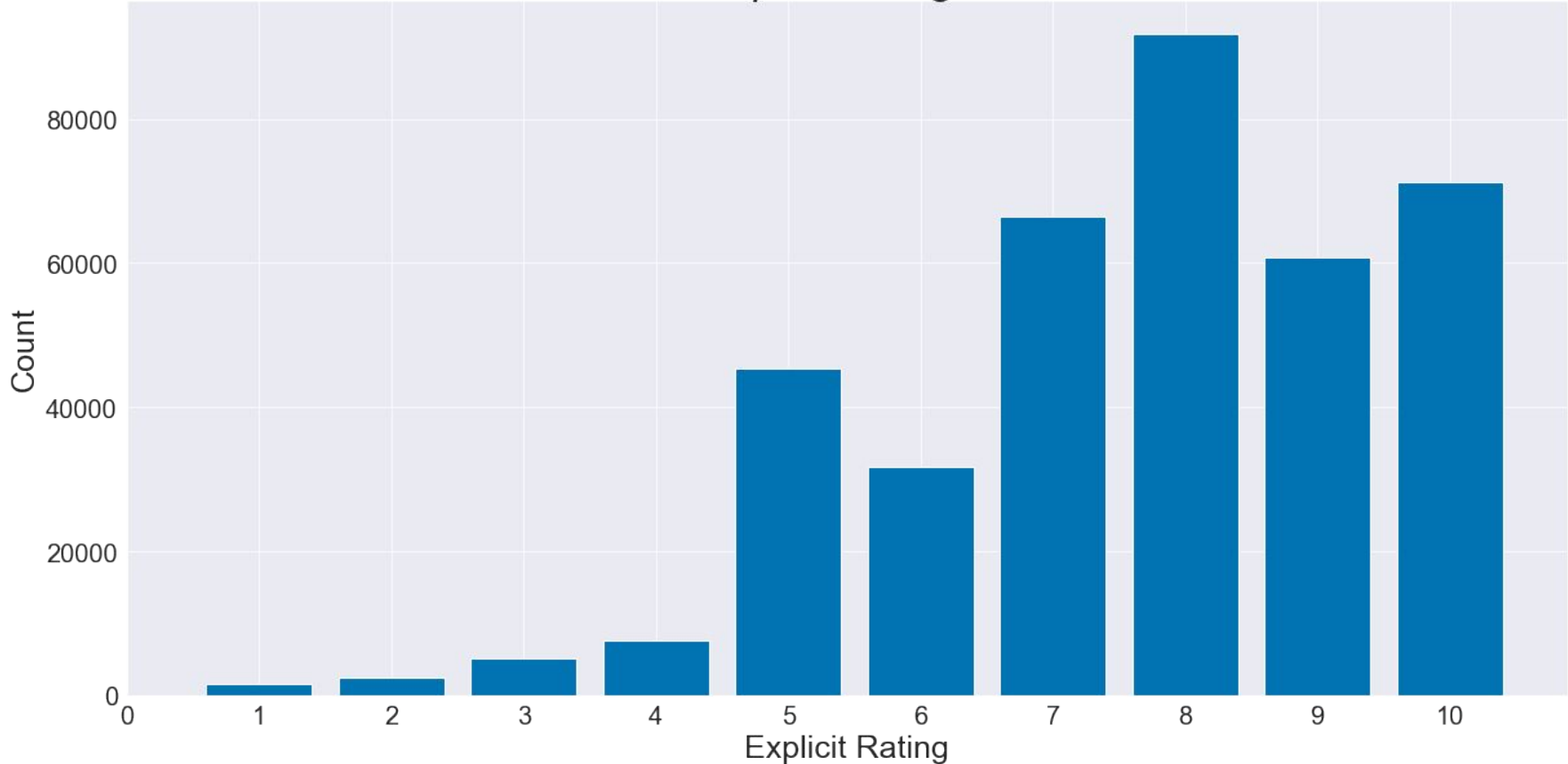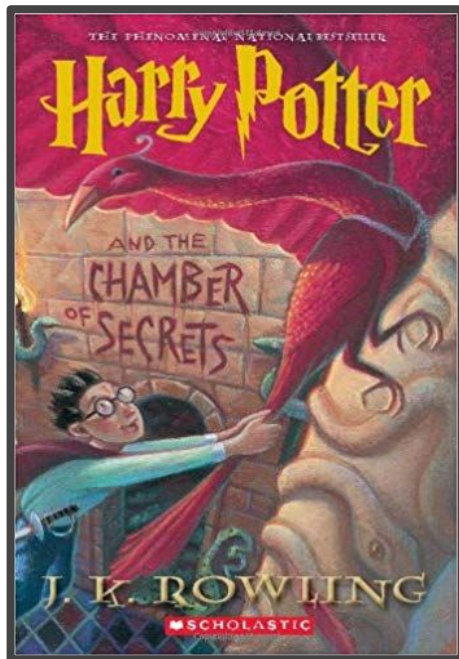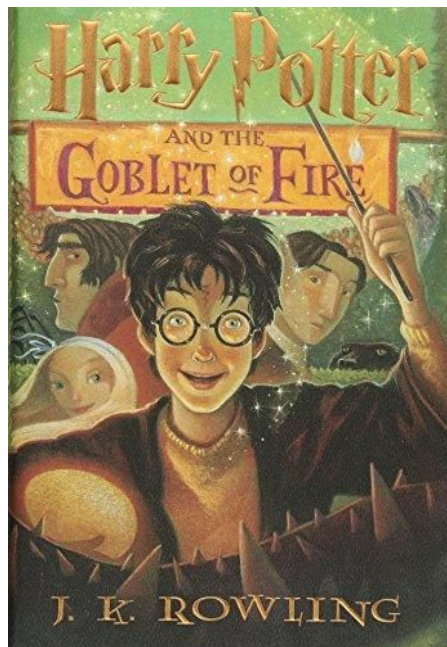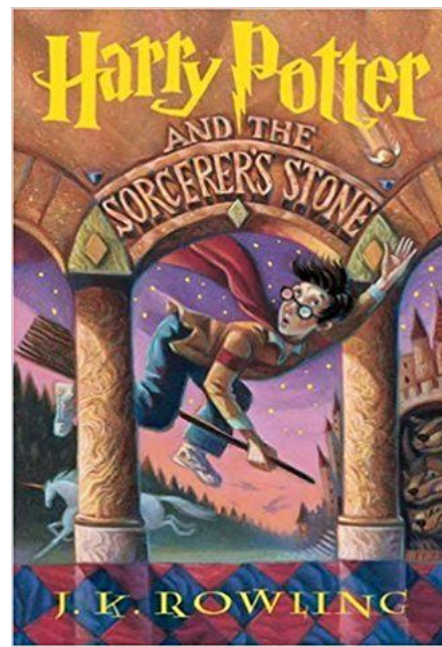
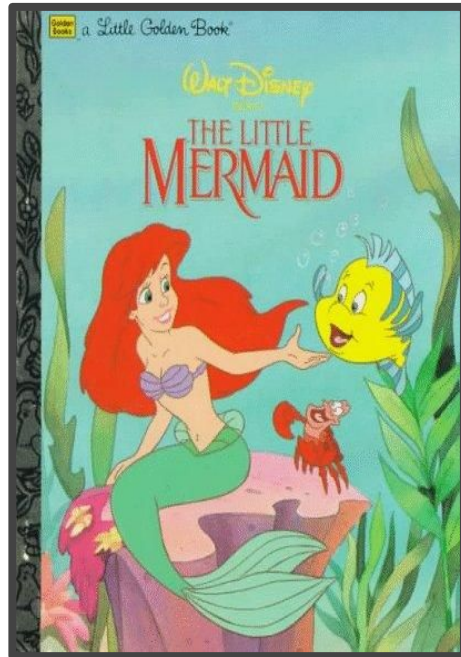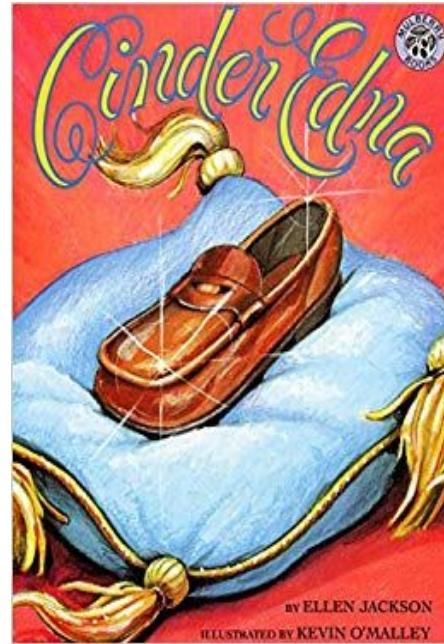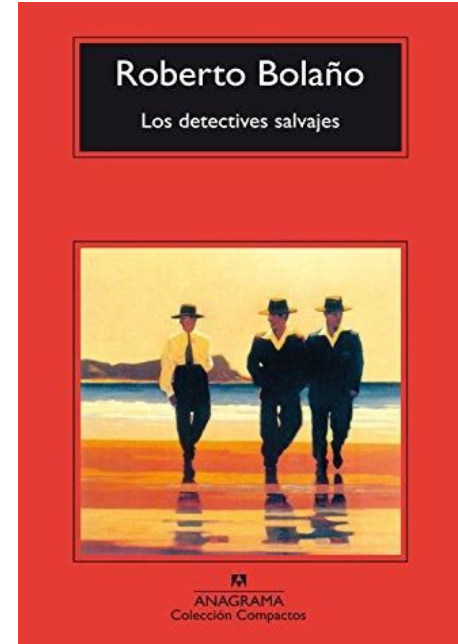| 1.000000 | 0.281524 | 0.267610 | 0.249231 |
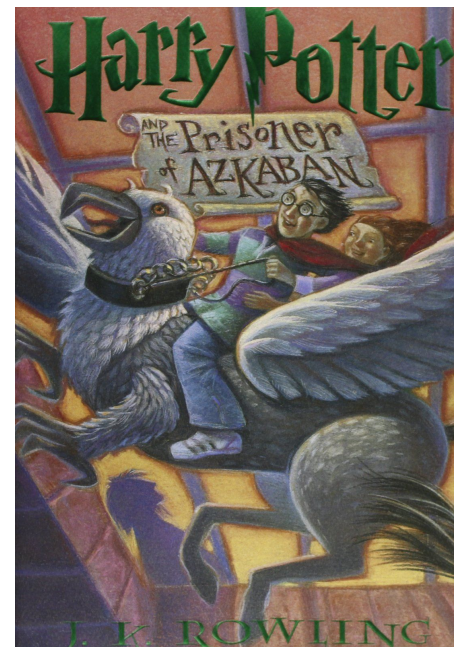
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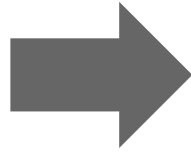0.634178

0.634178

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Collect more data

Sparsity ➡

Build a hybrid
recommender system