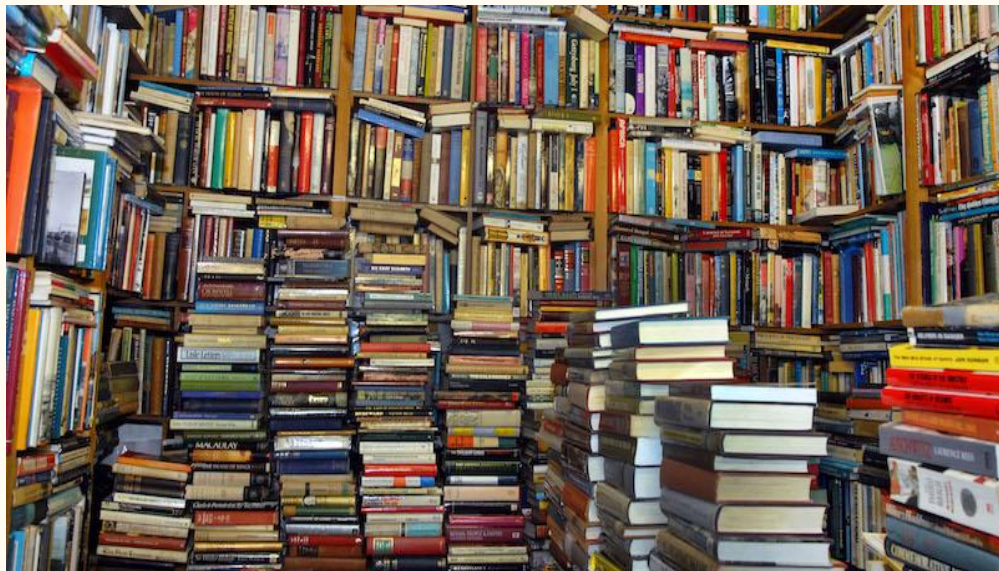


Book Recommender

By **Juan Camilo Salazar** Garcia Tamayo Montes

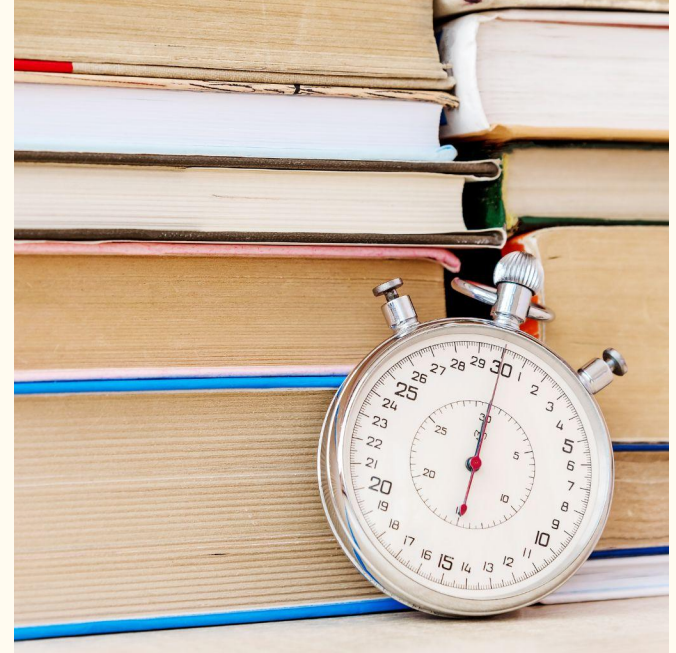
The Quest for the Perfect Book

The abundance of available books and vague categorizations often makes finding an enjoyable read a truly time consuming and frustrating experience.



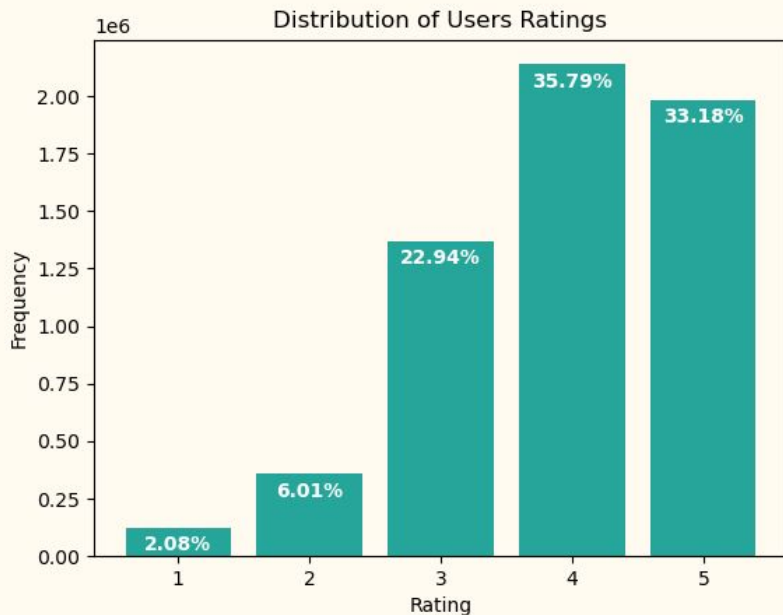
Savings in Time And Boosting Reading Rate

- Reduce Searching Time
- Increased Reading Rate
- Enhanced Book Discovery
- Improved Customer Engagement
- Returning Users

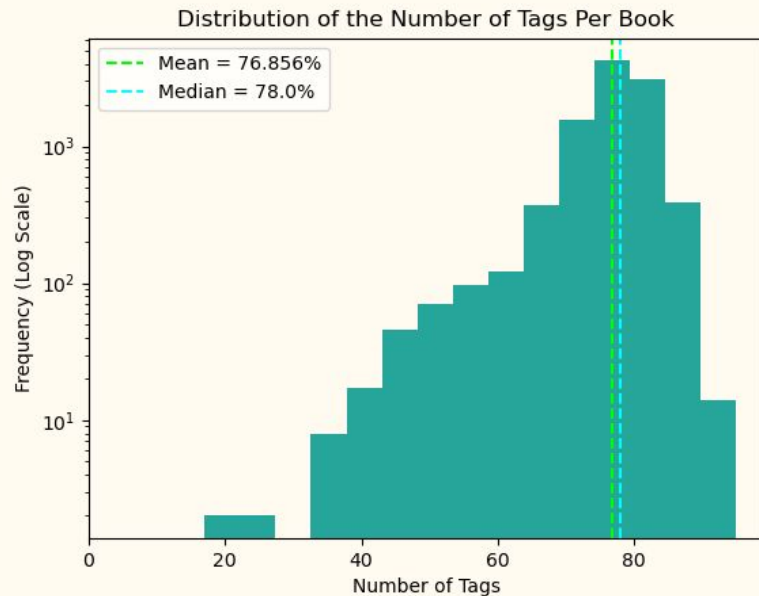


The Data at Our Fingertips: **GoodBooks-10K Extended**

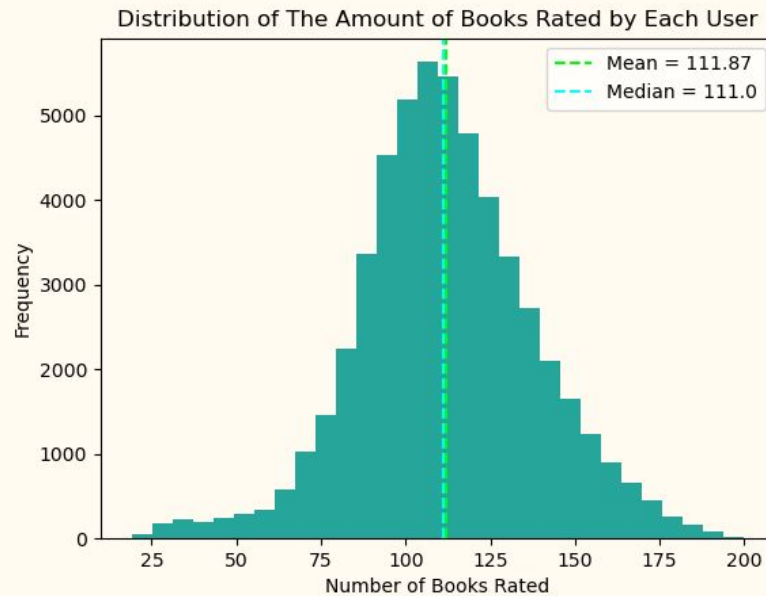
- 10,000 - Books
- 53,424 -Users
- 34,252 - Tags
- 5,976,479- Ratings
- 999,912 - Book Tags
- 2-8 Genres Per-Book



Reading Between the Data Lines



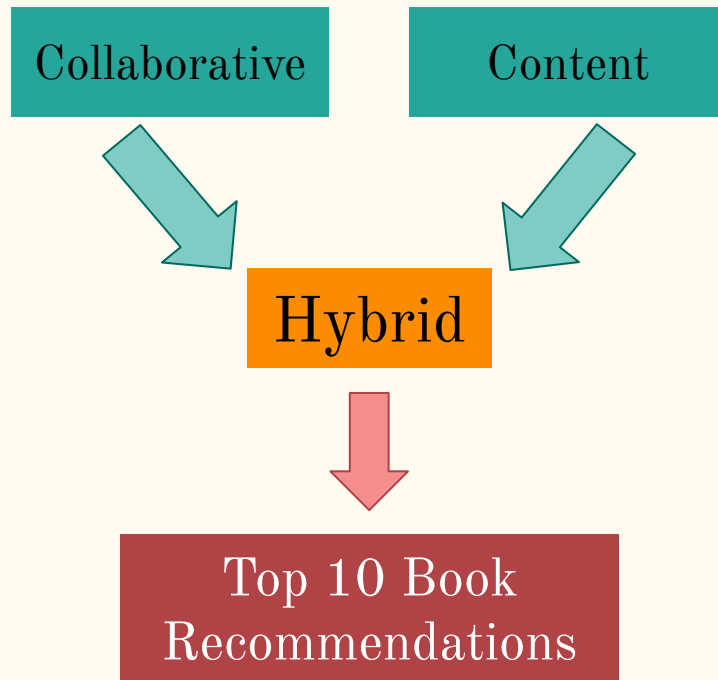
Tags



Ratings

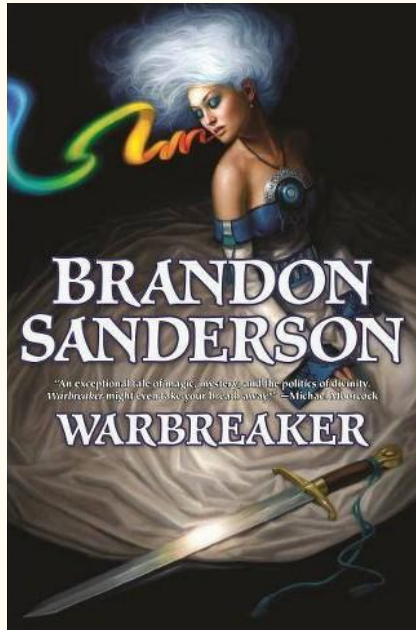
Building a Hybrid Recommender

- Content Base
 - Genres
 - Book Tags
- Collaborite
 - Funk SVD Users Ratings



Content Based Recommendations: Genres

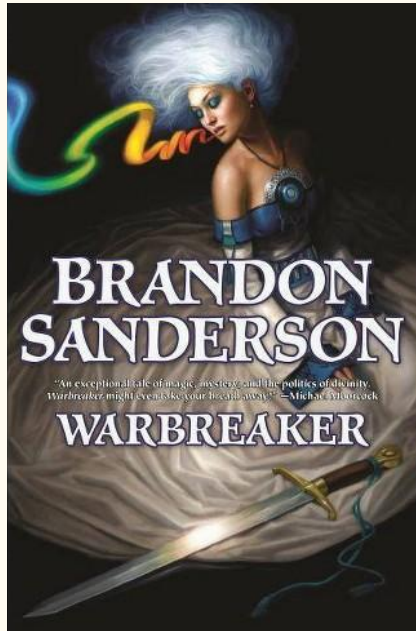
Warbreaker



Title	authors	average_rating	Similarities
Kushiel's Scion	Jacqueline Carey	4.19	1.0
Kushiel's Mercy	Jacqueline Carey	4.30	1.0
Naked Empire	Terry Goodkind	3.82	1.0
The Pillars of Creation	Terry Goodkind	3.67	1.0
The Broken Kingdoms	N.K. Jemisin	4.04	1.0
Kushiel's Justice	Jacqueline Carey	4.24	1.0
Rhapsody: Child of Blood	Elizabeth Haydon	3.95	1.0
Faith of the Fallen	Terry Goodkind	4.11	1.0
Blood of the Fold	Terry Goodkind	3.98	1.0
Phantom	Terry Goodkind	3.99	1.0

Content Based Recommendations: Tags

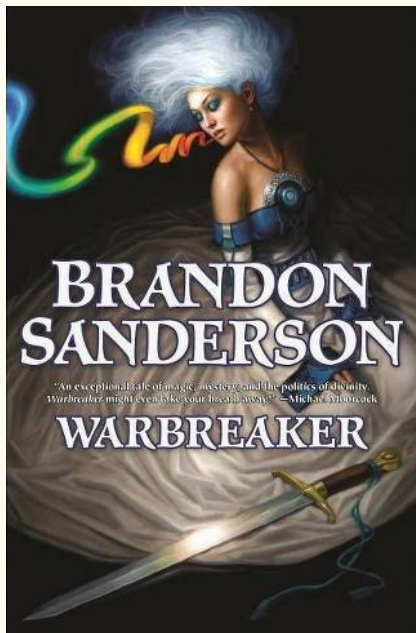
Warbreaker



	Title	authors	average_rating	Similarities
	The Final Empire	Brandon Sanderson	4.43	0.815300
	The Well of Ascension	Brandon Sanderson	4.35	0.789169
	The Hero of Ages	Brandon Sanderson	4.46	0.762356
	Elantris	Brandon Sanderson	4.17	0.726425
	Alcatraz Versus the Evil Librarians	Brandon Sanderson	3.87	0.631602
	Secret History	Brandon Sanderson	4.38	0.562777
	The Way of Kings	Brandon Sanderson	4.64	0.441816
	The Alloy of Law	Brandon Sanderson	4.20	0.440695
	The Way of Kings, Part 1	Brandon Sanderson	4.67	0.371629
	Shadows of Self	Brandon Sanderson	4.30	0.361596

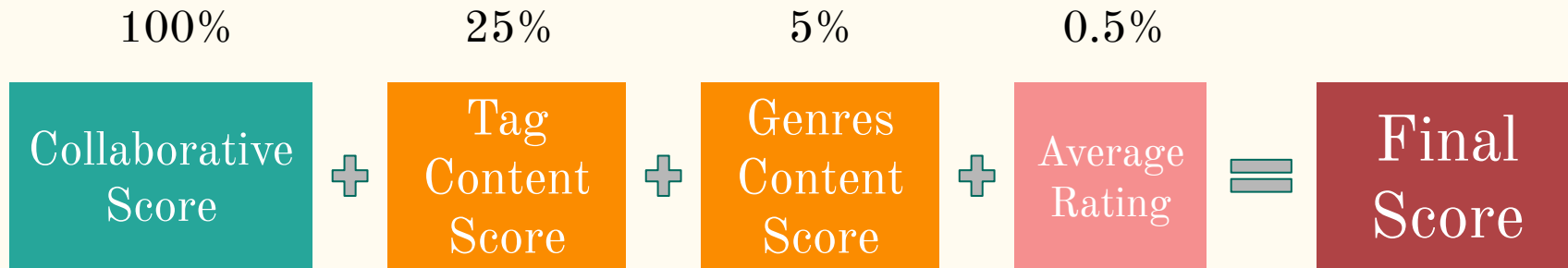
Collaborative Based Recommendations: Funk SVD

Warbreaker



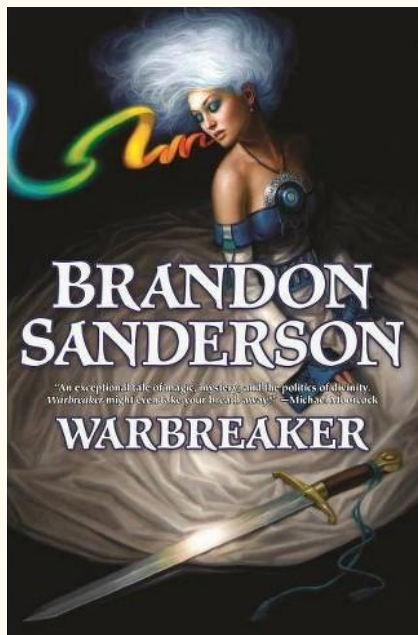
Title	authors	average_rating	Similarities
The Gargoyl	Andrew Davidson	3.96	0.957592
Sovereign	C.J. Sansom	4.28	0.956269
The Way of Kings, Part 1	Brandon Sanderson	4.67	0.954338
Tokyo Ghoul, tome 1	Sui Ishida, 石田 スイ	4.43	0.953259
The Preacher	Camilla Läckberg, Steven T. Murray	3.76	0.951169
The Time Traveller's Guide to Medieval England...	Ian Mortimer	3.99	0.950950
The Emperor's Sou	Brandon Sanderson	4.33	0.949772
Mistborn Trilogy Boxed Set	Brandon Sanderson	4.55	0.948717
Shadow's Edge	Brent Weeks	4.27	0.948144
Bloody Jack	L.A. Meyer	4.11	0.948143

Formula For Success



Final Results

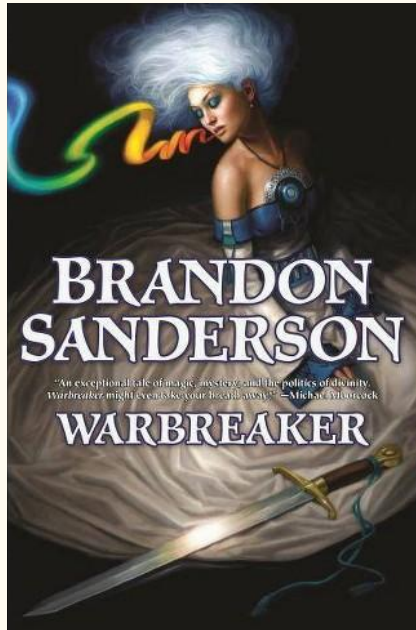
Warbreaker



Title	authors	average_rating	score
The Way of Kings, Part 1	Brandon Sanderson	4.67	0.905957
Elantris	Brandon Sanderson	4.17	0.902330
The Emperor's Sou	Brandon Sanderson	4.33	0.898126
Secret History	Brandon Sanderson	4.38	0.897083
Shadow's Edge	Brent Weeks	4.27	0.893705
Words of Radiance	Brandon Sanderson	4.77	0.893288
Dragon Prince	Melanie Rawn	3.94	0.892824
Beyond the Shadows	Brent Weeks	4.29	0.891529
The Bands of Mourning	Brandon Sanderson	4.45	0.891152
The Way of Kings	Brandon Sanderson	4.64	0.891003

Final Results Part 2

Warbreaker



Title	authors	average_rating	score
Shadow's Edge	Brent Weeks	4.27	0.893705
Dragon Prince	Melanie Rawn	3.94	0.892824
Beyond the Shadows	Brent Weeks	4.29	0.891529
The Wise Man's Fear	Patrick Rothfuss	4.57	0.889879
The First Confessor	Terry Goodkind	4.19	0.888060
The Broken Eye	Brent Weeks	4.46	0.887275
Stardust	Neil Gaiman	4.07	0.886854
Perfect Shadow	Brent Weeks	4.18	0.883933
Dark Demon	Christine Feehan	4.34	0.882988
The Blinding Knife	Brent Weeks	4.45	0.882968

Thank You