Dewey: A Book Recommendation System

Kelly Nelson

Data



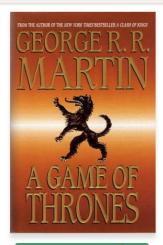
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Rate this book



A Game of Thrones

(A Song of Ice and Fire #1)

by George R.R. Martin

★★★★ 4.45 · F Rating details · 1,647,616 Ratings · 49,259 Reviews

Here is the first volume in George R. R. Martin's magnificent cycle of novels that includes A Clash of Kings and A Storm of Swords. As a whole, this series comprises a genuine masterpiece of modern fantasy, bringing together the best the genre has to offer. Magic, mystery, intrigue, romance, and adventure fill these pages and transport us to a world unlike any we have ever ...more

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Collaborative Filtering







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Collaborative Filtering

Content-Based Filtering









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Obtain and Store goodreads Data

Collaborative Filtering

Content-Based Filtering

Hybrid Recommender













Obtain and Store goodreads Data

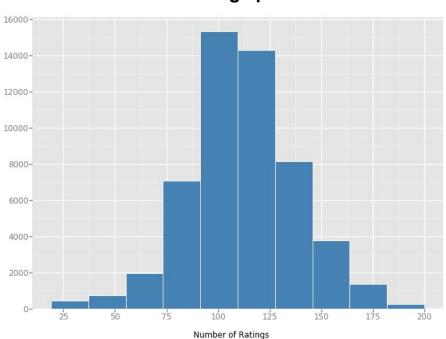
Collaborative Filtering

Content-Based Filtering

Hybrid Recommender → Dewey

Collaborative Filtering: Rating Data

Book Ratings per User



User Favorites (5-star ratings)

Allegiant

Dark Places

Water for Elephants

One Day

Eat, pray, love

User Favorites	(5-star ratings)
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Allegiant The Girl on the Train

User Recommendations

Dark Places The Glass Castle

Water for Elephants Gone Girl

One Day My Sister's Keeper

Eat, pray, love Catching Fire

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Content Based Filtering: Text Data



Browse ▼

Community **▼**

Search books

A Game of Thrones > Top Shelves

Top shelves for A Game of Thrones (showing 1-100 of 38,901)

to-read	570,523 people
currently-	81,885 people
reading	
fantasy	39,038 people
favorites	17,323 people
fiction	8,631 people
own	4,071 people
owned	3,865 people
books-i-own	3,571 people
series	2,706 people
epic-fantasy	1,680 people
favourites	1,678 people
The state of the s	

my-books	613 people
george-r-r-	612 people
martin	
abandoned	574 people
adult-fiction	536 people
scifi-fantasy	528 people
on-hold	525 people
library	518 people
science-fiction	516 people
read-in-2012	453 people
my-library	449 people
re-read	447 people

favorite-books	310 people
favorite	306 people
fantasy-scifi	303 people
medieval	299 people
read-in-2015	294 people
novel	293 people
historical	262 people
audio-books	260 people
read-in-english	257 people
romance	257 people
fantasia	255 people
tbr	250 people

Content Based Filtering: Text Data



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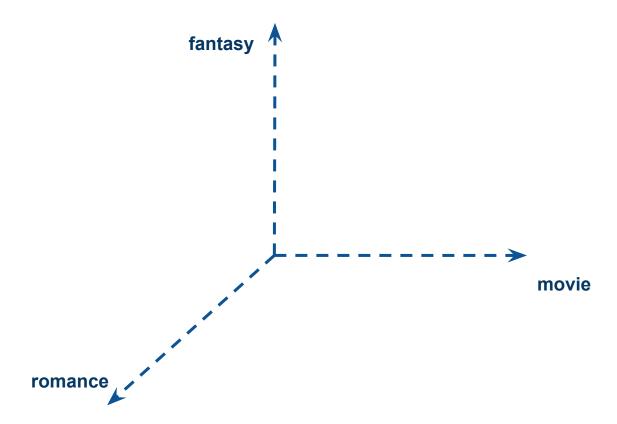
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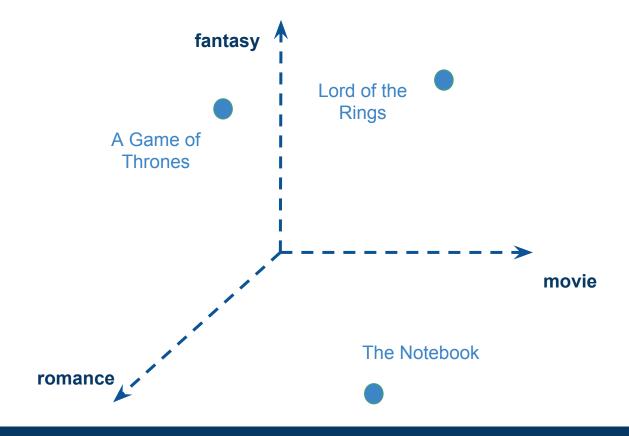
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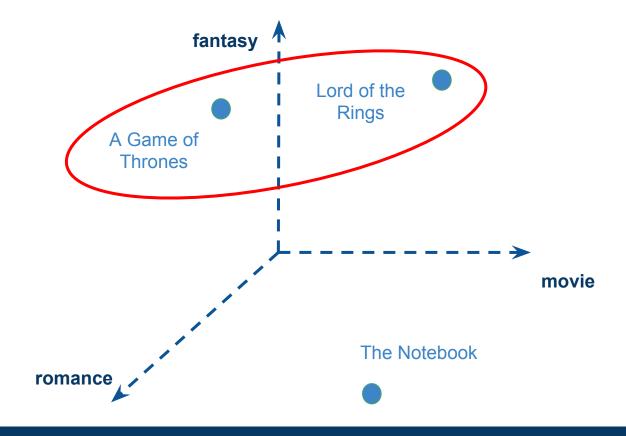
Content Based Filtering: Word2Vec



Content Based Filtering: Word2Vec



Content Based Filtering: Word2Vec



Content Based Filtering: Results

Reading List: Winnie-the-Pooh Reading List: Pride & Prejudice

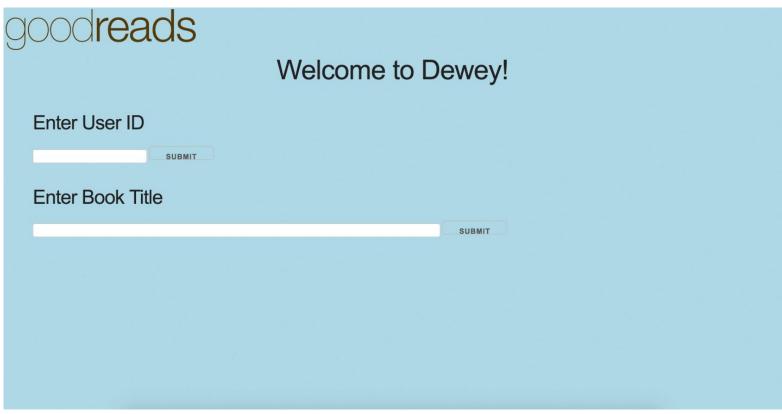
Corduroy Austenland

The Boxcar Children Billy Budd, Sailor

My Father's Dragon Sabriel

Sheep in a Jeep Parable of the Sower

The Saggy Baggy Elephant The Hunchback of Notre-Dame



Thank You

Kelly Nelson





in /kellymarieobrien/

