Goodreads Recommender Engine

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Overview

Social networking collaborative filtering literary website

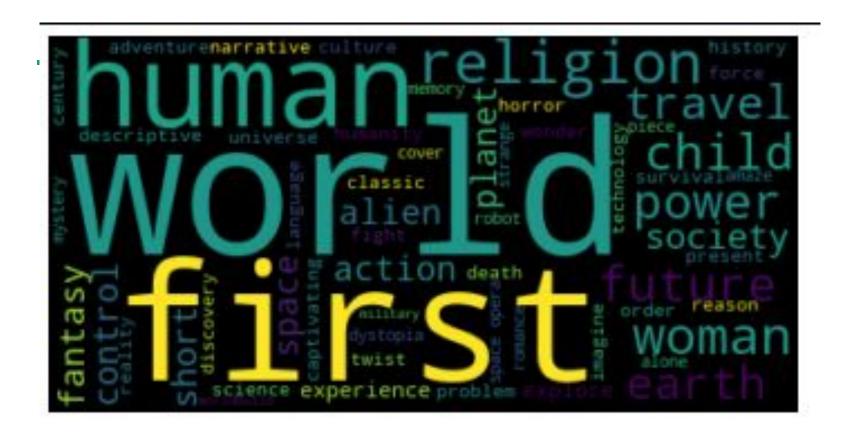76 MB for 1,077 books initially collected

Genre: science fiction, speculative fiction

goodreads

Process

1) Text Cleaning and Review Elimination
2) Genre-Specific Stop Words and Exclusions
3) WordCloud Creation
4) Cosine Similarity Creation
5) File Export Development

Project: Live Demo

	A	B	C	D	E	F
	URL	Title	Author(s)	Score	Top Keywords Generated From 3-5 Star Reviews	
	Reference Book					
	URL	Title	Author(s)	Score	Top Keywords Generated From 3-5 Star Reviews	
	https://www.goodreads.com/book/show/38447.The_Handmaid_s_Tale	The Handmaid's Tale	Margaret Atwood	1	['woman', 'handmaid', 'offred', 'atwood', 'time', 'dystopia', 'life', 'religion', 'society', 'control', 'know', 'let', 'could', 'future', 'year']	
	Recommendations					
	URL	Title	Author(s)	Score	Top Keywords Generated From 3-5 Star Reviews	Keywords In Common With Reference Book
	https://www.goodreads.com/book/show/908311.The_Female_Man	The Female Man	Joanna Russ	0.684	['woman', 'world', 'ism', 'men', 'man', 'get', 'time', 'want', 'society', 'joanna', 'future', 'know', 'male', 'er', 'life']	{'year', 'time', 'society', 'could', 'know', 'ism', 'future', 'world', 'woman', 'child', 'want', 'work', 'way', 'life'}
	https://www.goodreads.com/book/show/285563.Native_Tongue	Native Tongue	Suzette Haden Elgin	0.632	['woman', 'language', 'ism', 'native', 'men', 'tongue', 'alien', 'world', 'dystopia', 'way', 'child', 'elgin', 'linguist', 'first', 'could']	{'year', 'handmaid', 'time', 'could', 'future', 'ism', 'world', 'woman', 'child', 'want', 'work', 'dystopia', 'way', 'take', 'new', 'first'}
	https://www.goodreads.com/book/show/29751398-the-power	The Power	Naomi Alderman	0.614	['power', 'woman', 'world', 'girl', 'alderman', 'way', 'er', 'time', 'g', 'men', 'religion', 'new', 'feel', 'good', 'know']	{'control', 'year', 'time', 'know', 'religion', 'ism', 'power', 'world', 'woman', 'child', 'want', 'way', 'take', 'new'}
	https://www.goodreads.com/book/show/347397.The_Disappearance	The Disappearance	Philip Wylie, Robert Silverberg (Introduction)	0.581	['woman', 'world', 'men', 'wylie', 'time', 'er', 'g', 'star', 'male', 'year', 'society', 'way', 'work', 'find', 'parallel']	{'year', 'time', 'could', 'society', 'religion', 'world', 'woman', 'work', 'dystopia', 'way', 'first'}
	https://www.goodreads.com/book/show/948061.Sultana_s_Dream	Sultana's Dream	Rokeya Sakhawat Hossain, Durga Bai (Illustrations)	0.580	['woman', 'ism', 'men', 'dream', 'religion', 'short', 'utopia', 'rokeya', 'society', 'world', 'idea', 'time', 'power', 'begum', 'know']	{'year', 'time', 'society', 'know', 'religion', 'power', 'world', 'woman', 'work', 'ism'}