

Ανάκτηση Πληροφορίας και Μηχανές Αναζήτησης

Εργασία 2 – Συστήματα Συστάσεων

Μύριαμ Καπόν - dai17093

Επιλέχθηκαν τυχαία οι πέντε χρήστες με userid: **181496, 19815, 135974, 33459, 201475**

Τα προφίλ των χρηστών

User ID	KeyWords	Authors	Years
181496	eagle, nest, nospin, confrontation, regiment, famous, airborne, hitler, company, normandy, zone, powerful, america, band, brother, jester	James Patterson, Bill O'Reilly, Stephen E. Ambrose	2001, 2003
19815	soul, seat, edition, still, oprah, correction	Jonathan Franzen, Christopher Reeve, Gary Zukav	2001, 1990, 1998
135974	master, saga, relationship, dance, spell, changing, xanth, paperback, magician, woman, anger, guide, chameleon, intimate, novel, riftwar, pattern	Harriet Lerner, Piers Anthony, RAYMOND FEIST	1993, 1987, 1997
33459	demolished, xenocide, saga, paperback, hyperion, wiggins, ender	Alfred Bester, DAN SIMMONS, Orson Scott Card	1992, 1996, 1990
201475	bible, night, gorilla, secret, chamber, poisonwood, book, novel, harry, potter, good	Peggy Rathmann, J. K. Rowling, Barbara Kingsolver	2000, 1996, 1999

User 181496

eagle, nest, nospin, confrontation, regiment, famous, airborne, hitler, company, normandy, zone, powerful, america, band, brother, jester

Jaccard	Dice	Golden
Band of Brothers : E Company, 506th Regiment, 101st Airborne from Normandy to Hitler's Eagle's Nest	Band of Brothers : E Company, 506th Regiment, 101st Airborne from Normandy to Hitler's Eagle's Nest	Band of Brothers : E Company, 506th Regiment, 101st Airborne from Normandy to Hitler's Eagle's Nest
Band of Brothers : E Company, 506th Regiment, 101st Airborne from Normandy to Hitler's Eagle's Nest	Band of Brothers : E Company, 506th Regiment, 101st Airborne from Normandy to Hitler's Eagle's Nest	Band of Brothers : E Company, 506th Regiment, 101st Airborne from Normandy to Hitler's Eagle's Nest
The Jester	The Jester	The Jester
CITIZEN SOLDIERS : THE U S ARMY FROM THE NORMANDY BEACHES TO THE BULGE TO THE SURRENDER OF GERMANY	CITIZEN SOLDIERS : THE U S ARMY FROM THE NORMANDY BEACHES TO THE BULGE TO THE SURRENDER OF GERMANY	CITIZEN SOLDIERS : THE U S ARMY FROM THE NORMANDY BEACHES TO THE BULGE TO THE SURRENDER OF GERMANY
The Wild Blue : The Men and Boys Who Flew the B-24s Over Germany 1944-45	Roses Are Red (Alex Cross Novels)	The Beach House
Four Blind Mice	The Beach House	Four Blind Mice
The Big Bad Wolf: A Novel	Cradle and All	Roses Are Red (Alex Cross Novels)
Roses Are Red (Alex Cross Novels)	The Lake House	1st to Die: A Novel
1st to Die: A Novel	Four Blind Mice	The Big Bad Wolf: A Novel
The Beach House	Suzanne's Diary for Nicholas	The Wild Blue : The Men and Boys Who Flew the B-24s Over Germany 1944-45

Από τα keywords και τις συστάσεις φαίνεται ότι σε αυτό το χρήστη αρέσει η ιστορία και πιο συγκεκριμένα, οι πόλεμοι.

Overlap of Dice and Jaccard: 0.7382539682539683

Overlap of Jaccard and Golden: 0.8028174603174602

Overlap of Dice and Golden: 0.7382539682539683

Η “golden” λίστα αλλάζει ελαφρώς τα αποτελέσματα και έχει επηρεαστεί ελάχιστα περισσότερο από τον Jaccard.

User 19815

soul, seat, edition, still, oprah, correction

Jaccard	Dice	Golden
The Corrections	The Corrections	The Corrections
The Corrections	The Corrections	Still Me
Still Me	Still Me	The Corrections
Soul Stories	Soul Stories	The Corrections: A Novel
Soul Stories	Soul Stories	Soul Stories
The Corrections: A Novel	The Corrections: A Novel	Soul Stories
The Twenty-Seventh City : A Novel (Bestselling Backlist)	The Twenty-Seventh City : A Novel (Bestselling Backlist)	The Twenty-Seventh City : A Novel (Bestselling Backlist)
Die Korrekturen.	Die Korrekturen.	How to Be Alone: Essays
How to Be Alone: Essays	How to Be Alone: Essays	Die Korrekturen.
The Dancing Wu Li Masters: An Overview of the New Physics	The Dancing Wu Li Masters: An Overview of the New Physics	The Dancing Wu Li Masters: An Overview of the New Physics

Ο χρήστης φαίνεται να έχει ενδιαφέρον στην αυτοβελτίωση και ανακάλυψη του εαυτού, ίσως σε βιβλία εκλαϊκευμένης ψυχολογίας.

Overlap of Dice and Jaccard: 1.0

Overlap of Jaccard and Golden: 0.4353571428571429

Overlap of Dice and Golden: 0.4353571428571429

Ο Jaccard και ο Dice έβγαλαν ακριβώς τα ίδια αποτελέσματα, είναι ισάξιοι. Η “golden” λίστα αλλάζει τη θέση από πάνω από τα μισά αποτελέσματα.

User 135974

master, saga, relationship, dance, spell, changing, xanth, paperback, magician, woman, anger, guide, chameleon, intimate, novel, riftwar, pattern

Jaccard	Dice	Golden
The Dance of Intimacy: A Woman's Guide to Courageous Acts of Change in Key Relationships	The Dance of Intimacy: A Woman's Guide to Courageous Acts of Change in Key Relationships	The Dance of Intimacy: A Woman's Guide to Courageous Acts of Change in Key Relationships
Spell for Chameleon Xanth	Spell for Chameleon Xanth	Spell for Chameleon Xanth
Magician: Apprentice (Riftwar Saga)	Magician: Apprentice (Riftwar Saga)	Magician: Apprentice (Riftwar Saga)
Castle Roogna (Xanth Novels (Paperback))	Castle Roogna (Xanth Novels (Paperback))	Castle Roogna (Xanth Novels (Paperback))
Dragon on a Pedestal (Xanth Novels (Paperback))	Dragon on a Pedestal (Xanth Novels (Paperback))	Source of Magic (Xanth Novels (Paperback))
Centaur Aisle (Xanth Novels (Paperback))	Night Mare (Xanth Novels (Paperback))	Night Mare (Xanth Novels (Paperback))
Source of Magic (Xanth Novels (Paperback))	Centaur Aisle (Xanth Novels (Paperback))	Centaur Aisle (Xanth Novels (Paperback))
Night Mare (Xanth Novels (Paperback))	Source of Magic (Xanth Novels (Paperback))	Dragon on a Pedestal (Xanth Novels (Paperback))
Spell for Chameleon #01	Spell for Chameleon #01	Spell for Chameleon #01
Silverthorn (Riftwar Saga)	Silverthorn (Riftwar Saga)	Silverthorn (Riftwar Saga)

Ο χρήστης φαίνεται να είναι γυναίκα που ενδιαφέρεται για τις σχέσεις και το χορό, αλλά και βιβλία φαντασίας, ιδιαίτερα μαγείας.

Overlap of Dice and Jaccard: 0.8539285714285715

Overlap of Jaccard and Golden: 0.7693650793650793

Overlap of Dice and Golden: 0.8818253968253968

Η “golden” λίστα βγάζει λίγο διαφορετικά αποτελέσματα και έχει επηρεαστεί περισσότερο από τον Dice.

User 33459

demolished, xenocide, saga, paperback, hyperion, wiggins, ender

Jaccard	Dice	Golden
Ender's Game (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))
Children of the Mind (Ender Wiggins Saga (Paperback))	Children of the Mind (Ender Wiggins Saga (Paperback))	Children of the Mind (Ender Wiggins Saga (Paperback))
Ender's Game (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))	Speaker for the Dead (Ender Wiggins Saga (Paperback))
Speaker for the Dead (Ender Wiggins Saga (Paperback))	Speaker for the Dead (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))
Speaker for the Dead (Ender Wiggins Saga (Paperback))	Speaker for the Dead (Ender Wiggins Saga (Paperback))	Speaker for the Dead (Ender Wiggins Saga (Paperback))
Ender's Game (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))
Shadow of the Hegemon (Ender Wiggins Saga (Paperback))	Shadow of the Hegemon (Ender Wiggins Saga (Paperback))	Shadow of the Hegemon (Ender Wiggins Saga (Paperback))
Ender's Game (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))	Ender's Game (Ender Wiggins Saga (Paperback))
Speaker for Dead Ender #2: Valorous (Ender Wiggins Saga (Paperback))	Speaker for Dead Ender #2: Valorous (Ender Wiggins Saga (Paperback))	Speaker for Dead Ender #2: Valorous (Ender Wiggins Saga (Paperback))
Shadow of the Hegemon (Ender Wiggins Saga (Hardcover))	Shadow of the Hegemon (Ender Wiggins Saga (Hardcover))	Shadow of the Hegemon (Ender Wiggins Saga (Hardcover))

Στο χρήστη αρέσει ξεκάθαρα η επιστημονική φαντασία.

Overlap of Dice and Jaccard: 1.0

Overlap of Jaccard and Golden: 0.7475396825396825

Overlap of Dice and Golden: 0.7475396825396825

Ο Jaccard και ο Dice έβγαλαν ακριβώς τα ίδια αποτελέσματα, είναι ισάξιοι. Η “golden” λίστα βγάζει λίγο διαφορετικά αποτελέσματα.

User 201475

bible, night, gorilla, secret, chamber, poisonwood, book, novel, harry, potter, good

Jaccard	Dice	Golden
Harry Potter and the Chamber of Secrets (Book 2)	Harry Potter and the Chamber of Secrets (Book 2)	Harry Potter and the Chamber of Secrets (Book 2)
Harry Potter and the Chamber of Secrets (Book 2)	Harry Potter and the Chamber of Secrets (Book 2)	Harry Potter and the Chamber of Secrets (Book 2)
Harry Potter and the Chamber of Secrets Postcard Book	Harry Potter and the Chamber of Secrets Postcard Book	Harry Potter and the Chamber of Secrets Postcard Book
Harry Potter et la chambre des secrets	Harry Potter et la chambre des secrets	Harry Potter et la chambre des secrets
Harry Potter and the Prisoner of Azkaban (Book 3)	Harry Potter and the Prisoner of Azkaban (Book 3)	Harry Potter and the Prisoner of Azkaban (Book 3)
Harry Potter and the Goblet of Fire (Book 4)	Harry Potter and the Goblet of Fire (Book 4)	Harry Potter and the Goblet of Fire (Book 4)
Harry Potter and the Prisoner of Azkaban (Book 3)	Harry Potter and the Sorcerer's Stone (Book 1)	Harry Potter and the Sorcerer's Stone (Book 1)
Harry Potter and the Sorcerer's Stone (Book 1)	Harry Potter and the Sorcerer's Stone (Book 1)	Harry Potter and the Sorcerer's Stone (Book 1)
Harry Potter and the Sorcerer's Stone (Book 1)	Harry Potter and the Prisoner of Azkaban (Book 3)	Harry Potter and the Prisoner of Azkaban (Book 3)
Harry Potter and the Goblet of Fire (Book 4)	Harry Potter and the Goblet of Fire (Book 4)	Harry Potter and the Goblet of Fire (Book 4)

Επειδή το σύστημα επηρεάζεται πολύ από τους τίτλους και η σειρά βιβλίων Harry Potter χρησιμοποιεί το όνομά του σε κάθε τίτλο, φαίνεται πως έχει υπερισχύσει λίγο στις συστάσεις. Με αυτό το σύστημα βαθμολογείς θετικά ένα βιβλίο Harry Potter και σε ακολουθεί συνέχεια μετά...

Overlap of Dice and Jaccard: 0.9309920634920635

Overlap of Jaccard and Golden: 0.8973809523809523

Overlap of Dice and Golden: 0.9184920634920635

Η "golden" λίστα δίνει σχεδόν τα ίδια αποτελέσματα και έχει επηρεαστεί περισσότερο από τον Jaccard.

Συμπεράσματα

Υπάρχουν ίδια βιβλία (ίδιος τίτλος) για διαφορετικά ISBN, κάτι που το σύστημα θα έπρεπε να λαμβάνει υπ'όψην ώστε να μην προτείνει το ίδιο βιβλίο δύο φορές.

Από τις πέντε περιπτώσεις, οι Jaccard και Dice επέστρεψαν το ίδιο αποτέλεσμα δύο φορές (2/5). Αυτό σημαίνει ότι είναι αρκετά διαφορετικοί ώστε να χρειάζεται να υπολογισθούν και οι δύο, αν και θα ήταν πιο ξεκάθαρο με περισσότερα πειράματα.

Η “golden” λίστα δεν άλλαξε δραματικά τη σειρά με την οποία προτείνονται τα βιβλία (εκτός από τον χρήστη 19815) και ήταν πιο επηρεασμένη από τον Jaccard. Αυτό σημαίνει ότι ο Jaccard δίνει γενικά μεγαλύτερες βαθμολογίες, κάτι που φαίνεται και από τα στοιχεία στο φάκελο results.

Φαίνεται όμως ότι γενικά μια συνδυαστική προσέγγιση δίνει τα καλύτερα αποτελέσματα.