



Making the Most of Discovery— Primo Today and in the Future

Tamar Sadeh, PhD

Director of Discovery and Delivery Strategy

Barcelona, April 16, 2015



Agenda

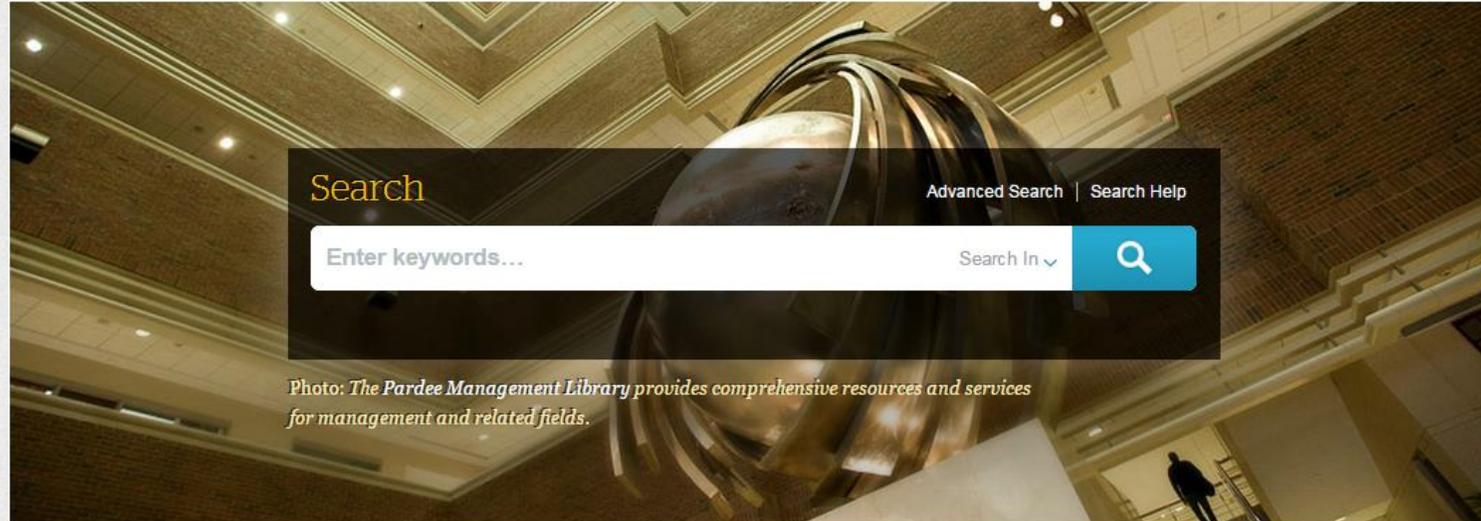
- ▶ The basics of discovery: a reminder
- ▶ Primo in action
- ▶ Next to come
 - ▶ Search and exploration
 - ▶ The treasure trove: data and technological expertise
 - ▶ User experience
 - ▶ Reading lists

The basics of discovery

Why discovery systems?

- ▶ **One interface**—everything the library deems relevant in one place
- ▶ **User experience**—branded and consistent; a platform for offering relevant services
- ▶ **Content**—structured, comprehensive, multidisciplinary, and relevant
- ▶ **Full-text access**—clear and with no frustration
- ▶ **Search**—pre- and post-search options that help users focus
- ▶ **Recommendations**—leading to relevant items, regardless of the query
- ▶ **Analytics**—supporting decision making

Primo in action



Search

[Advanced Search](#) | [Search Help](#)

Search In ▾



Photo: The Pardee Management Library provides comprehensive resources and services for management and related fields.

Research ▾

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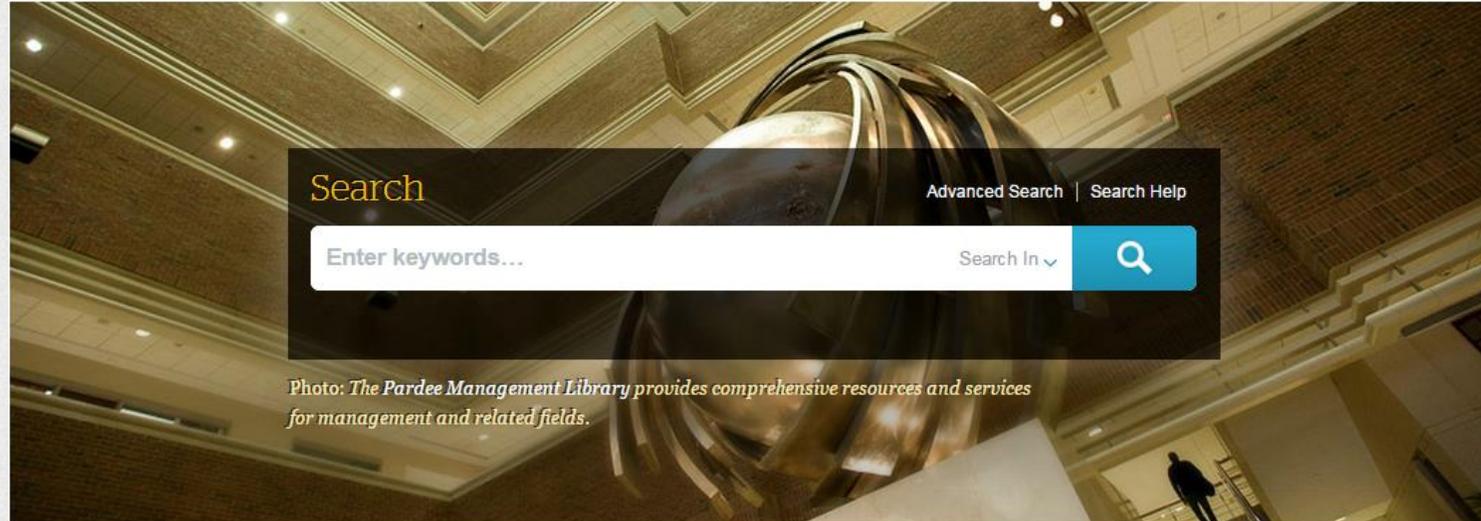
Boston University Goal

Make the library Website become the virtual manifestation of the library with Search and Website forming a unified whole.

Key principles

- ▶ Focus on the local characteristics
- ▶ Modern design and simplicity
- ▶ All library collections available through a single interface
- ▶ The Primo-driven website becomes the library's primary service platform*
 - ▶ No distinctions between the website and the library collections
 - ▶ Search integrated into every library page
 - ▶ Library site included in the search scope
 - ▶ Additional services integrated in context
 - ▶ Dynamic pages created based on Primo searches
- ▶ Develop services using 'Uber' principles
- ▶ Make use of the full Primo capabilities

* BU are using the Wordpress enterprise-level content management system



Search

[Advanced Search](#) | [Search Help](#)

Search In ▾



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Research ▾

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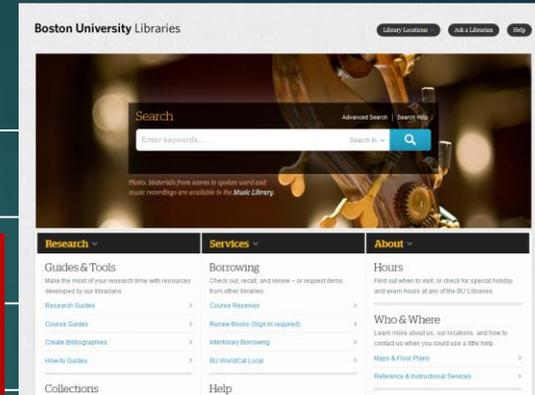
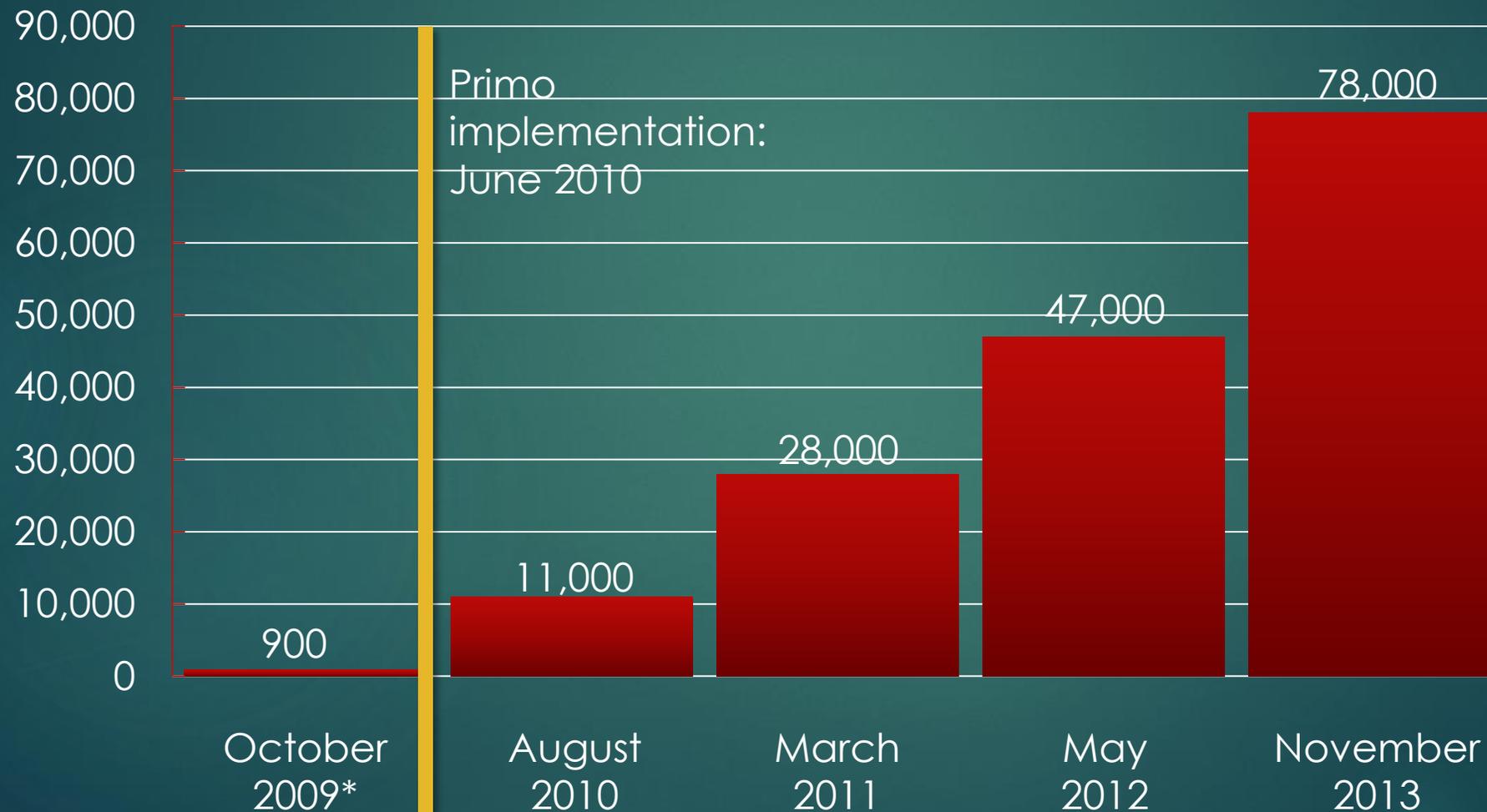
Other examples of innovative Primo sites

- ▶ ETH Zurich: <http://www.library.ethz.ch/en/>
- ▶ Harvard University Library: <http://library.harvard.edu/>
- ▶ National University of Ireland: <http://www.library.nuigalway.ie/>
- ▶ Mountain West Digital Library: <http://www.mwdl.org/>
- ▶ Emory University <http://web.library.emory.edu/>
- ▶ The British Library: <http://www.bl.uk/>
- ▶ Aalborg University: <http://www.en.aub.aau.dk/>
- ▶ Tulane University: <http://library.tulane.edu/>
- ▶ The Royal Library (Denmark): <http://rex.kb.dk/>
- ▶ Northeastern University: <http://library.northeastern.edu>



The proof of the pudding is in
the eating

Number of Primo Searches per Day Boston University, MA, USA



* OPAC searches

Insights – 27(3), November 2014

The effect of discovery systems on online journal usage | Michael Levine-Clark et al



T
O
S
Up

Many academic libraries are implementing discovery services as a way of giving their users a single comprehensive search option for all library resources. These tools are designed to change the research experience, yet very few studies have investigated the impact of discovery service implementation. This study examines one aspect of that impact by asking whether usage of publisher-hosted journal content changes after implementation of a discovery tool. Libraries that have begun using the four major discovery services have seen an increase in usage of this content, suggesting that for this particular type of material, discovery services have a positive impact on use. Though all discovery services significantly increased usage relative to a no discovery service control group, some had a greater impact than others, and there was extensive variation in usage change among libraries using the same service. Future phases of this study will look at other types of content.

Some comments following the
implementation of Hollis+ at Harvard

I just wanted to say, on behalf of graduate students across the Harvard campus, THANK YOU for Hollis+!!!! and the same enthusiastic thank you for the retrieval ("request item") service (plus "map it"). We really, really appreciate these services.

HOLLIS+ Is The Best

I thank you, and praise you, O you Hollis+ of my library, who have given me wisdom and access, and have made known to me now what we desired of you: for you have now made known to us the knowledge of the ages.

Thank you, Harvard library, for enabling database searches in Chinese and Japanese characters in Hollis +. It makes a huge difference in my research.

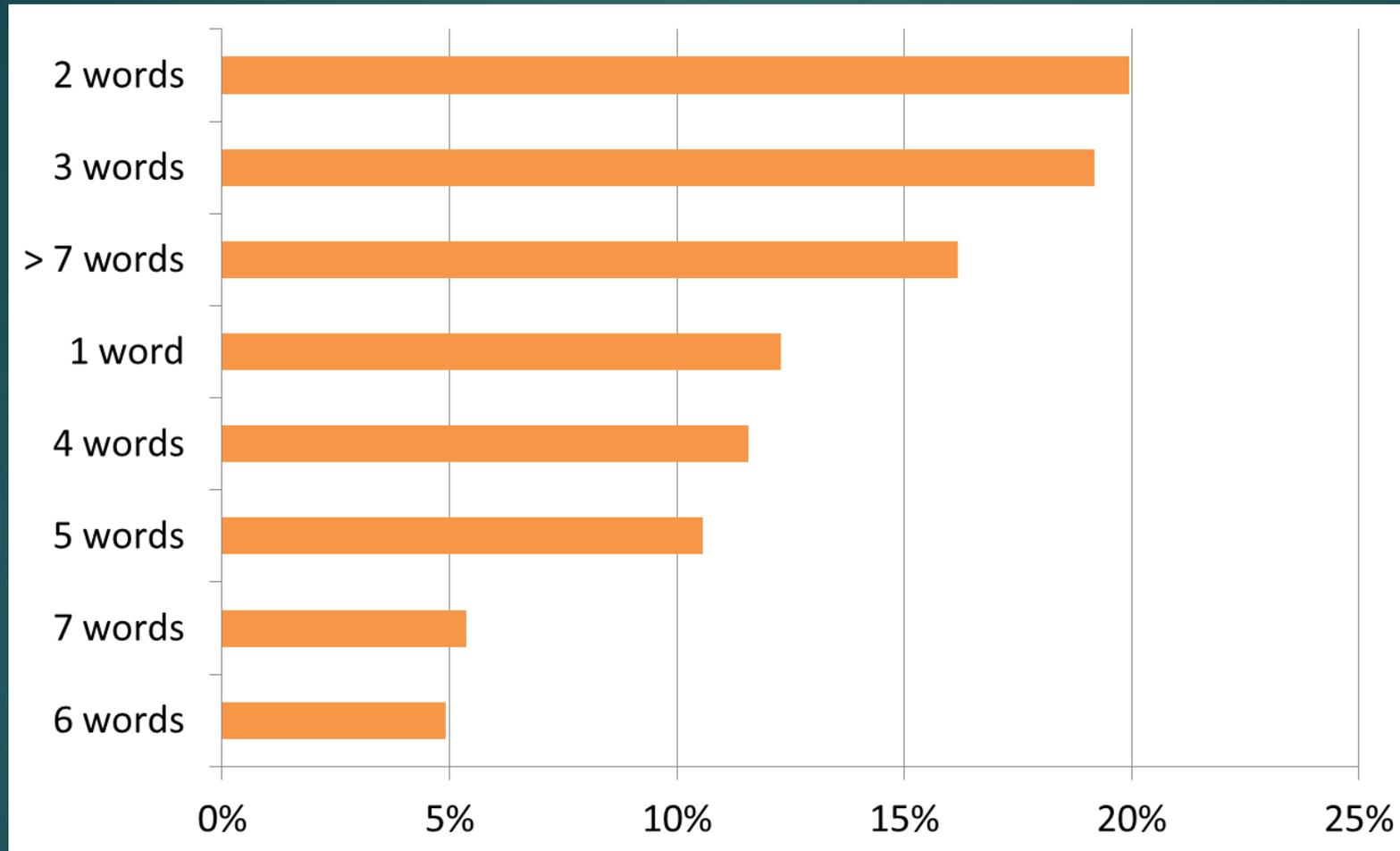
Next to come

This is what we know*

- ▶ More than 50% of searches are for known-items
- ▶ Learning is part of information searching; e.g., building terminology
- ▶ Following trails is hugely important
- ▶ No one strategy or technique fits all
 - ▶ Academic degree, expertise, discipline, specific task at hand—all matter
- ▶ Most materials used by undergraduates are listed in course readings

* Based on log analysis and user studies

Number of words in users' queries



Based on Primo Central search logs analysis

From search to discovery

- ▶ The base: optimal support of known-item searching
- ▶ Additionally
 - ▶ Browsing: finding through recognition rather than specification
 - ▶ Serendipitous discovery
- ▶ Next layer: building exploration trails to follow
 - ▶ References and citations
 - ▶ Implicit recommendations based on real-life selection patterns
 - ▶ Topics
 - ▶ Authors, institutions, and departments

Known-item search

- ▶ Support various types of queries, e.g.,

sing song girls of shanghai
Chemical Process Design and Integration
Simultaneous two-photon imaging of oxygen and blood flow in deep cerebral vessels
Tedeschi, bruni, Those Who Love Me Can Take the Train
gibson ars amatoria 3 2009
R. K. Gibson, Ovid: Ars Amatoria, Book 3 (Cambridge Classical Texts and Commentaries 40). Cambridge: Cambridge University Press, 2003. Pp. x + 446. ISBN 0-521-81370-0.
Biologic behavior and prognostic factors for mast cell tumors of the canine muzzle 24 cases (1990 2001).

- ▶ Support query variations, e.g.,
 - ▶ Typos or spelling mistakes
 - ▶ Missing or redundant words

Traditional browsing

LIBRARY SERVICES

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NEW SEARCH FIND EJOURNALS FIND DATABASES LIBRARY CATALOGUE

By author

Browse Simple Search

Browse "**atak**" in authors list

No. of records	Entry
1	Atack, Jeremy
4	Atack, Margaret
3	Atack, Nikki
2	Ataide, Antonio de, Conde de Castanheira, -1647
1	Atal, C. K
1	Atala, Fuad
1	Atalaia, Lucinda
1	Atalar, Kerem Benjamin
1	Atalay, Erdogan 1966-
1	Atallah, Mikhail J

LIBRARY SERVICES

LIBRARY SEARCH

Guest e-Shelf My Account Sign in

NEW SEARCH FIND EJOURNALS FIND DATABASES LIBRARY CATALOGUE TAGS FAQs HELP

By title

Browse Simple Search

Browse "**The little**" in titles list [← Previous](#) [Next →](#)

No. of records	Entry
1	The little clay cart adaption
1	The little clay cart attributed to
1	The little clay cart translation
1	The little man
1	The long trick
1	The making of DSM 3
1	The making of the 20th century
1	The Manchester Times and Gazette
1	The Manchester Times and Manchester and Salford Advertiser and Chronicle
1	[The march of the women] piano

Virtual shelf

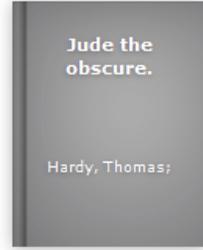
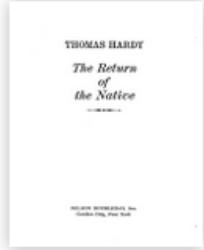
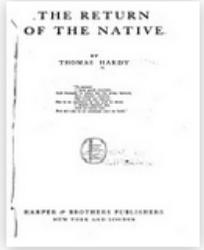
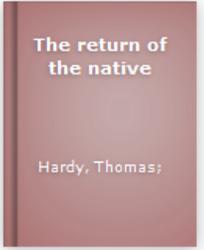
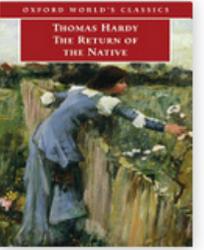
 **Far from the madding crowd**
Hardy, Thomas ; Ronald Blythe
1978 Harmondsworth, Eng. ; New York : Penguin Books
● Available at Mugar Memorial Library Stacks (PR4745 .F78M) Like 0

 **Far from the madding crowd**
Hardy, Thomas ; Ronald Blythe
1978 Harmondsworth, Eng. ; New York : Penguin Books
● Available at Mugar Memorial Library Stacks (PR4745 .F78M) Like 0

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 **Far from the madding crowd**
Hardy, Thomas ; Ronald Blythe
1978 Harmondsworth, Eng. ; New York : Penguin Books
● Available at Mugar Memorial Library Stacks (PR4745 .F78M) Like 0

Get It [More Information](#) **Virtual Browse** Send to Share Close

 PR4746 .J83 2000	 PR4746 F65	 PR4747 .A1 1912	 PR4747 .A1 1929	 PR4747 .A1 1962	 PR4747.A2 G37 2005
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« Previous **The return of the native** Hardy, Thomas, 1840-1928 ; Thomas Hardy 1840-1928. Next »

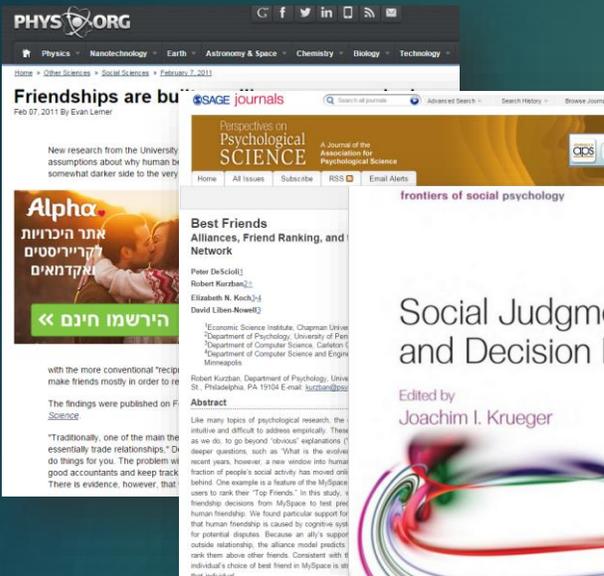
Featured-results bar

The screenshot shows the ExLibris Primo search results page for the query 'impressionism'. The interface includes a search bar at the top with the search term 'impressionism' and a 'Search' button. Below the search bar, there are navigation options like 'Library Search', 'A-Z', 'Citation Linker', 'Help', and 'Language: English'. The main content area displays search results for 'Primo Local Repository', showing 10 of 44 results. The results are sorted by 'Relevance'. The first three results are books:

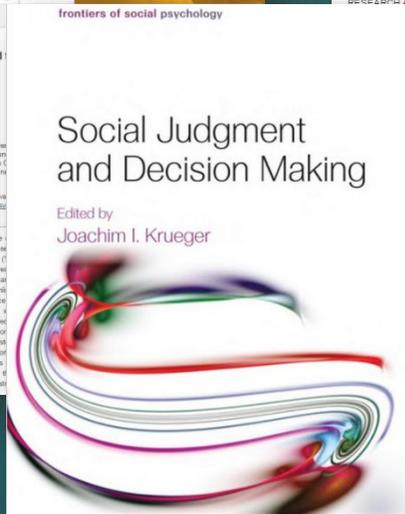
- Critical readings in Impressionism and post-Impressionism : an anthology** by Mary Tompkins Lewis, c2007. Available at Graduate Library Stacks (ND547.5.14 C75 2007).
- Post-Impressionism** by Jane Bingham, 2008. Available at Main Library Juvenile Education Collection (ND547.5.P6 B56 2008).
- Post-impressionism: From Van Gogh to Gauguin.** by John Rewald, 1912-1956. Available at Main Library Stacks (ND1265 .R43).

Below the book results, there is a section titled 'Images from Central and Local repository' which features a horizontal strip of ten small images. A tooltip is visible over the last image, identifying it as 'Impressionism and the Modern Vision [Photograph DMA_1308-11]' from the 'Dallas Museum Of Fine Arts'. The page also includes a left sidebar with filters for 'Show only', 'Refine My Results' (Resource Type, Subject, Author/Creator), and 'More options'.

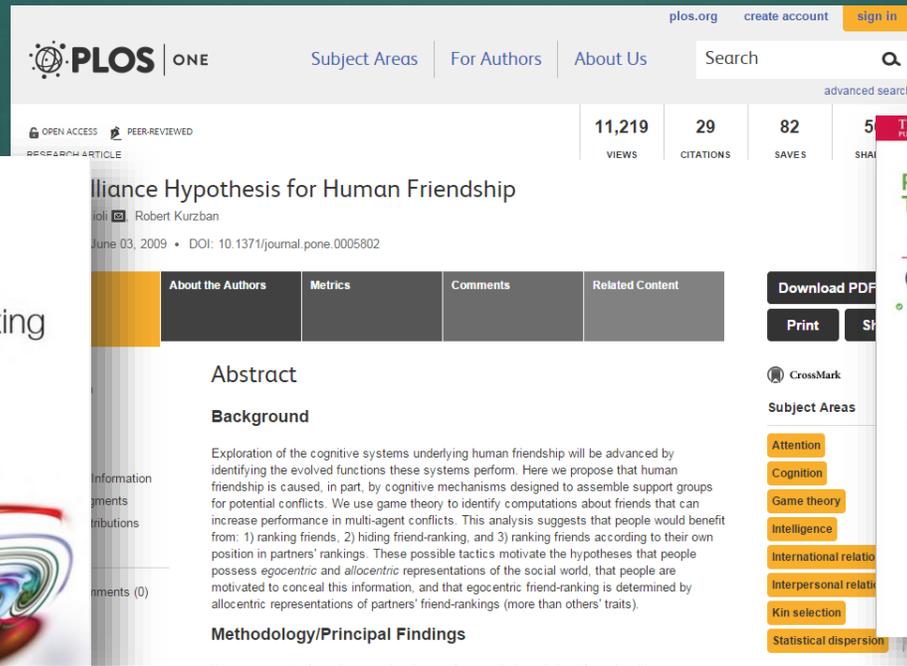
Exploration trails: references and citations



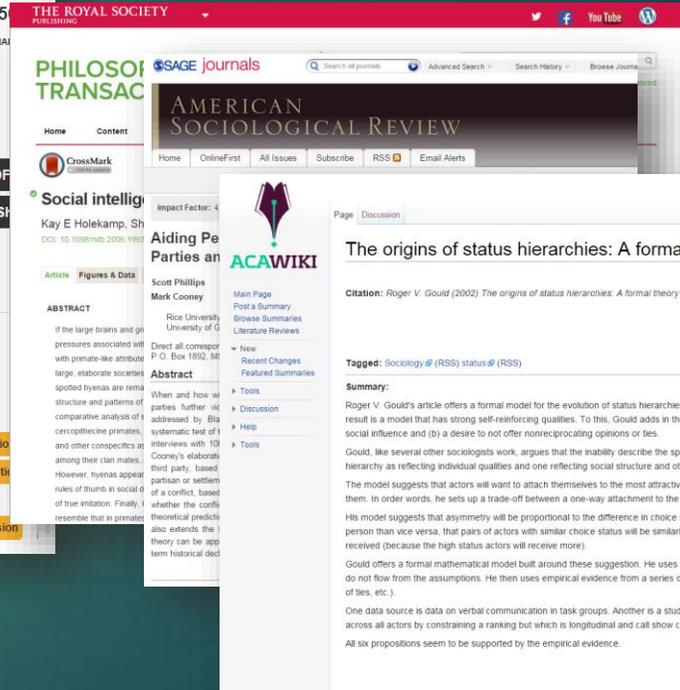
PHYS.ORG
Physics Nanotechnology Earth Astronomy & Space Chemistry Biology Technology
Home Other Sciences Social Sciences February 7, 2011
Friendships are built on...
Feb 07, 2011 By Eyal Lerner
New research from the University of...
Alpha
אתר היכרות
ואקדמיים
הירשמו חנים



frontiers of social psychology
Best Friends
Alliances, Friend Ranking, and Network
Peter DeScioli,
Robert Kurzban,
Elizabeth N. Koch,
David Liben-Nowell
Social Judgment
and Decision Making
Edited by
Joachim I. Krueger



PLOS ONE
Subject Areas For Authors About Us Search
OPEN ACCESS PEER-REVIEWED
11,219 VIEWS 29 CITATIONS 82 SAVES 5 SHARES
Alliance Hypothesis for Human Friendship
Robert Kurzban
June 03, 2009 • DOI: 10.1371/journal.pone.0005802
About the Authors Metrics Comments Related Content
Abstract
Background
Exploration of the cognitive systems underlying human friendship will be advanced by identifying the evolved functions these systems perform. Here we propose that human friendship is caused, in part, by cognitive mechanisms designed to assemble support groups for potential conflicts. We use game theory to identify computations about friends that can increase performance in multi-agent conflicts. This analysis suggests that people would benefit from: 1) ranking friends, 2) hiding friend-ranking, and 3) ranking friends according to their own position in partners' rankings. These possible tactics motivate the hypotheses that people possess *egocentric* and *allocentric* representations of the social world, that people are motivated to conceal this information, and that egocentric friend-ranking is determined by allocentric representations of partners' friend-rankings (more than others' traits).
Methodology/Principal Findings



THE ROYAL SOCIETY PUBLISHING
PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY
SAGE journals
AMERICAN SOCIOLOGICAL REVIEW
Social intelligence
Kay E Holekamp, Sh...
Aiding Pe...
The origins of status hierarchies: A formal theory and empirical test
Citation: Roger V. Gould (2002) The origins of status hierarchies: A formal theory and empirical test. The American Journal of Sociology (RSS)
Summary:
Roger V. Gould's article offers a formal model for the evolution of status hierarchies. Essentially, the model suggests that individuals actors will prefer result in a model that has strong self-reinforcing qualities. To this, Gould adds in the idea that actors also prefer reciprocation. The basic idea is that social influence and (b) a desire to not offer nonreciprocating opinions or ties.
Gould, like several other sociologists work, argues that the inability describe the spontaneous creation of status positions is a problem and aims to hierarchy as reflecting individual qualities and one reflecting social structure and others opinions only and argues that a third way that can connect. The model suggests that actors will want to attach themselves to the most attractive other people, but they always want these attachments to be reciprocal. In order words, he sets up a trade-off between a one-way attachment to the most attractive actor and a reciprocated attachment.
His model suggests that asymmetry will be proportional to the difference in choice status between pairs of actors. In other words, the model predicts person than vice versa, that pairs of actors with similar choice status will be similarly connected, and that the sum of attachments directed outward received (because the high status actors will receive more).
Gould offers a formal mathematical model built around these suggestion. He uses the model to derive a set of, 6 non-necessarily obvious propositions do not flow from the assumptions. He then uses empirical evidence from a series of studies to test the hypothesis that have data available that fits s of ties, etc.).
One data source is data on verbal communication in task groups. Another is a study of a set of quintuplets from the ages of two and three. He also across all actors by constraining a ranking but which is longitudinal and call show changes over time to see if the status rankings are moving toward All six propositions seem to be supported by the empirical evidence.

Implicit recommendations based on real-life selection patterns

The screenshot shows the PLOS ONE article page for "The Alliance Hypothesis for Human Friendship" by Peter DeScioli and Robert Kurzban. The article has 11,219 views, 29 citations, 82 saves, and 56 shares. It is a research article published on June 03, 2009, with a DOI of 10.1371/journal.pone.0005802. The page includes navigation tabs for Article, About the Authors, Metrics, Comments, and Related Content. A sidebar on the right offers options to Download PDF, Print, and Share, along with subject areas like Attention, Cognition, Game theory, Intelligence, International relations, Interpersonal relations, Kin selection, and Statistical dispersion.

This section lists five recommended articles. The first article, "Virtual community attraction: Why people hang out online" by Catherine M. Ridings, is highlighted with a red box. The list includes:

1. Ridings, Catherine M [Virtual community attraction: Why people hang out online](#) Journal of computer-mediated communication 10.1 (2004) No Pagination Specified
2. Barrett, H. Clark [Can Manipulations of Cognitive Load Be Used to Test Evolutionary Hypotheses?](#) Journal of personality and social psychology 91.3 (2006) 513-518
3. COUZIN, JENNIFER [Friendship as a Health Factor](#). Science 323.5913 (2009) 454-457
4. Wood, Stephen [The four pillars of HRM: are they connected?](#) Human resource management journal 5.5 (1995) 49 - 59
5. Tarrant, Mark [Friendship group identification, multidimensional self-concept, and experience of developmental tasks in adolescence](#). Journal of Adolescence 29.4 (2006) 627-640

The visible text in this section discusses the development of computational systems for human friendship, mentioning game theory and friend-ranking algorithms. It notes that people benefit from multi-agent conflicts and that friend-ranking is determined by ego-centric representations of the social world.

This screenshot shows the Wiley Online Library page for the article "Virtual Community Attraction: Why People Hang Out Online" by Catherine M. Ridings and David Gefen. The article is from the Journal of Computer-Mediated Communication, Volume 10, Issue 1, page 00, November 2004. The page includes an abstract, article tools (such as 'Save to My Profile' and 'Email Link to the Article'), and a list of keywords: Attention, Cognition, Game theory, Intelligence, International relations, Interpersonal relations, Kin selection, and Statistical dispersion.

Themes and concepts

SPIE DIGITAL LIBRARY

Proceedings Article

Detection of content adaptive LSB matching: a game theory approach

Tomás Denmark; Jessica Fridrich

Proc. SPIE 9028, Media Watermarking, Security, and Forensics 2014, 902804 (February 19, 2014); doi:10.1117/12.2040418

From Conference Volume 9028

Media Watermarking, Security, and Forensics 2014
Alfian M. Alimur, Xiao D. Maeno, Chad D. Betzenrater
San Francisco, California, USA | February 02, 2014

Abstract References

abstract

This paper is an attempt to analyze the interaction between Alice and Warden in Steganography using the Game Theory. We focus on the modern steganographic embedding paradigm based on minimizing an additive distortion function. The strategies of both players comprise of the probabilistic selection channel. The Warden is granted the likelihood ratio. In particular, the Warden is ignorant about the embedding probabilities chosen by Alice. When adopting a simple multivariate Gaussian model for the cover, the payoff function in the form of the Warden's detection error can be numerically evaluated for a mutually independent embedding operation. We demonstrate on the example of a two-street cover that the Nash equilibria is different from the traditional Alice's strategy.

PLOS ONE

RESEARCH ARTICLE

Benevolent Characteristics Promote Cooperative Behaviour

Valerio Capraro, Conor Smyth, Kallopi Mylonas, Graham A. Niblo

Published: August 20, 2014 • DOI: 10.1371/journal.pone.0120881

792 VIEWS 2 SHARES

Abstract

Cooperation is fundamental to the evolution of human society. We regularly observe cooperative behaviour in everyday life and in controlled experiments with anonymous even though standard economic models predict that they should deviate from the cost interest and act so as to maximise their own individual payoff. However, there is typically heterogeneity across subjects: some may cooperate, while others may not. Since the factors promoting cooperation could be used by institutions to indirectly prime cooperation, heterogeneity raises the important question of who these cooperators are. We have conducted a series of experiments to study whether benevolence, defined as a unilateral act of cost to increase the welfare of someone else beyond one's own, is related to cooperation in subsequent one-shot anonymous Prisoner's dilemma. Contrary to the predictions of used inequity aversion models, we find that benevolence does exist and a large majority of people behave this way. We also find benevolence to be correlated with cooperative behaviour. Finally, we show a causal link between benevolence and cooperation: priming people positively about benevolent behaviour makes them significantly more cooperative than them to think malevolently. Thus benevolent people exist and cooperate more.

Figures

PLOS ONE

RESEARCH ARTICLE

The Alliance Hypothesis for Human Friendship

Peter DeScioli, Robert Kurzban

Published: June 03, 2009 • DOI: 10.1371/journal.pone.0005802

11,219 VIEWS 29 CITATIONS 82 SAVES 56 SHARES

Abstract

Exploration of the cognitive systems underlying human friendship identifying the evolved functions these systems perform. If friendship is caused, in part, by cognitive mechanisms designed for potential conflicts. We use game theory to identify com

PLOS ONE

RESEARCH ARTICLE

Evolutionary Game Dynamics in Populations with Heterogeneous Structures

Wes Maciejowski, Feng Fu, Christoph Hauert

Published: April 24, 2014 • DOI: 10.1371/journal.pcbi.1003957

2,569 VIEWS 5 CITATIONS

Abstract

Evolutionary graph theory is a well established framework for modelling the evolution of social behaviours in structured populations. An emerging consensus in this field is that graphs that exhibit heterogeneity in the number of connections between individuals are more conducive to the spread of cooperative behaviours. In this article we show that such a conclusion largely depends on the individual-level interactions that take place. In particular, averaging payoffs generated through game interactions rather than accumulating the payoffs can altogether remove the cooperative advantage of heterogeneous graphs while such a difference does not affect the outcome on homogeneous structures. In addition, the rate at which game interactions occur can alter the evolutionary outcome. Less interactions allow heterogeneous graphs to support more cooperation than homogeneous graphs, while higher rates of interactions make homogeneous and heterogeneous graphs virtually indistinguishable in their ability to support cooperation. Most importantly, we show that common measures of evolutionary advantage used in homogeneous populations, such as a comparison of the fixation probability of a rare mutant to that of the resident type, are no longer valid in heterogeneous populations. Heterogeneity causes a bias in where mutations occur in the population which affects the mutant's fixation probability. We derive the appropriate measures for heterogeneous populations that account for this bias.

Taylor & Francis Online

Home > List of Issues > Table of Contents > A game theory analysis of port specialization—implications to the Chinese port industry

Maritime Policy & Management: The flagship journal of international shipping and port research
Volume 41, Issue 3, 2014
Special Issue: IAME 2012, ALRT and IFSPA 2013

Abstract

The fast growth of the Chinese economy and its international seaborne trade has escalated the demand for high-quality and efficient port services. 'Operationalisation' of the port management regime has given local government greater freedom in port development and operational decision-making. However, major port capacity expansion in coastal areas, coupled with the rising demand of both the economy and trade growth over recent years, has led to overcapacity and excessive competition. Although both port specialisation and government regulation are called for to address these issues, few studies have investigated the formation mechanism and economic implications of port specialisation. This paper uses alternative supply games: namely a Stackelberg game and a simultaneous game, to model port competition, where ports provide differentiated services in the sectors of containerised cargo and dry-dock cargo. Our analytical results reveal

ICT Systems Security and Privacy Protection

IFIP Advances in Information and Communication Technology Volume 428, 2014, pp.15-29

Game Theory Meets Information Security Management

Andrew Fielder, Emmanouil Panousis, Pasquale Malacaria, Chris Hankin, Fabrizio Smeraldi

Buy chapter \$29.95 / €24.95 / £19.95 * Buy eBook \$119.00 / €89.24 / £75.50 *

Abstract

This work addresses the challenge "how do we make better security decisions?" and it develops techniques to support human decision making and algorithms which enable well-founded cyber security decisions to be made. In this paper we propose a game theoretic model which optimally allocates cyber security resources such as administrators' time across different tasks. We first model the interactions between an omnipresent attacker and a team of system administrators seen as the defender; and we have derived the mixed Nash Equilibria (NE) in such games. We have formulated general-sum games that represent our cyber security environment, and we have proven that the defender's Nash strategy is also minimax. This result guarantees that independently from the attacker's strategy, the defender's solution is optimal. We also propose Singular Value Decomposition (SVD) as an efficient technique to compute approximate equilibria in our games. By implementing and evaluating a minimax solver with SVD, we have thoroughly investigated the improvement that Nash defense introduces compared to other strategies chosen by common sense decision algorithms. Our key finding is that a particular NE, which we call weighted NE, provides the most effective defense strategy. In order to validate this model we have used real-life statistics from Hackniggodon, the Verizon 2013 Data Breach Investigation report, and the Ponemon report of 2011. We finally compare the game theoretic defense method with a method which implements a stochastic optimization algorithm.

Keywords: game theory, coevolution, modelling, cancer, population dynamics, therapeutic scheduling

1. INTRODUCTION

In this paper, we will describe a method of data analysis that can be used by physical and biological scientists to analyse population dynamics using game theoretic replicator equations. This method is based on the method of initial rates taught in undergraduate chemistry courses.

The treasure trove

- ▶ One billion items in the Primo Central Index
- ▶ Automated text analysis and clustering of items, based on similarities



Clustering based on data mining

Title
Do honey bees average directions in the waggle dance to determine a flight direction?

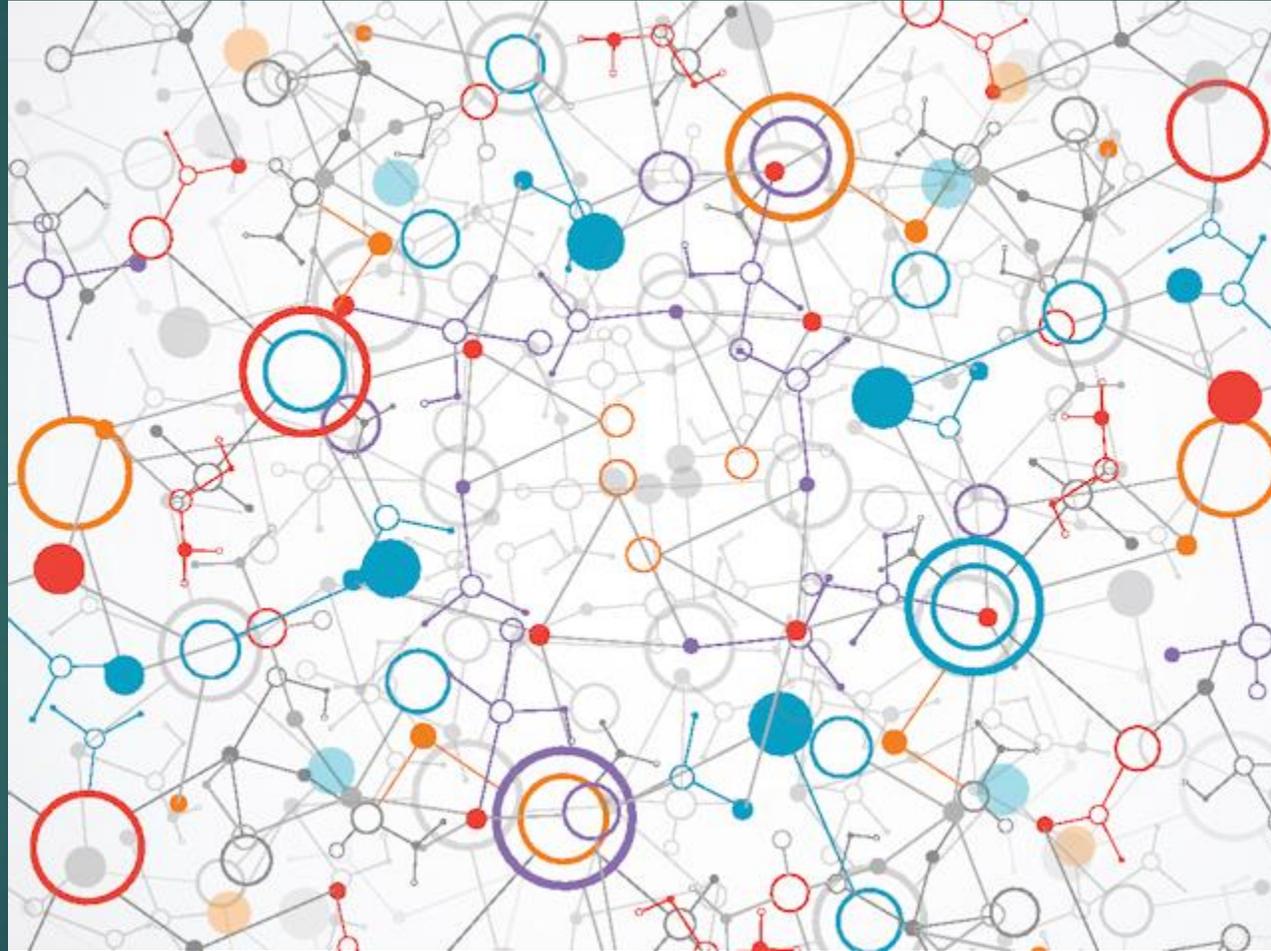
Description:
The **waggle dance** of the **honey bee** is a **recruitment behavior** used to communicate the location of a resource to a nest mate. There is, however, significant imprecision communicating the **direction** across **waggle runs** in a single **dance**. In this study, we ask whether **honey bee recruits** determine the **direction** of their **flight** based on an average of many **waggle runs**, or on a single **waggle run**. We show that the **distribution of recruit flight directions** is narrower than the **distribution of directions** indicated in the **dance**. We also show that there is a better fit between observed **flight directions** and the prediction of a multiple-**waggle-run**-averaging model than a last-**waggle-run** or other single-**waggle-run** models. These findings substantially weaken hypotheses about the adaptive nature of imprecision in **honey bee recruitment**. [PUBLICATION]

Filters
Full Text
Top Keywords & Phrases
Grouping
Run Properties

ALL

apis mellifera	averag model	bee	bees
behavior	communication	danc	dance
dance floor	direct	direct indic	direction
distribution	flight	flight direct	follow
geographic	honey bee	honey bees	polarized light
direction	recruit	recruitment	regression
			analysis
run	runs	statistical analysis	trap
von frisch	waggl	waggl run	waggle
waggle dance			

Title	Algorithm
Honeybee dances communicate distances measured by optic flow	57.0
The spatial precision of the honey bees' dance communication	54.0
Signals and flexibility in the dance communication of honeybees	54.0
The transfer of information in the dance language of honeybees: progress and problems	50.0
The role of dances in recruiting bees to familiar sites	43.0



User experience

- ▶ Optimal support for
 - ▶ Search and navigation
 - ▶ Mobile devices
- ▶ Personalization, for better matches
 - ▶ Without login
 - ▶ Enhanced subject fit
 - ▶ Recency parameter
 - ▶ Intuitive indications on the screen
 - ▶ Material type mix
- ▶ Digital discovery, supporting hierarchical structure
- ▶ And for librarians: Oracle business intelligence (OBI) reports

🔍 Sugar plantations

SEARCH

DETAILED SEARCH

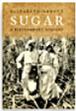
Results 1 - 16 of 42,223, sorted by Relevance

Refine the search

1  **A Sour Taste on the Sugar plantations**
Cohen, Jon
Science, 28 July 2006, Vol.313(5786), pp.473-475
“... proportionately concentrated. Originally built for workers from the sugar plantations, the shantytowns have become shantytowns largely filled with...”
ARTICLE
[Available full text online](#)

2  **Bioaccessible arsenic in soils of former sugar cane plantations, Island of Hawaii**
Cutler, William G. ; Brewer, Roger C. ; El-Kadi, Aly ; Hue, Nguyen V. ; Niemeyer, Patrick G. ; Peard, John ; Ray, Chittaranjan
Science of the Total Environment, 2013, Vol.442, pp.177-188 [Peer Reviewed Journal]
JOURNAL
[Available full text online](#)

3  **Sugar plantations Masters: Planters and Workers on the Plantation**
Rolf Knight
Toronto, Ont., Canada : Dept. of Anthropology, University of Toronto 1972
BOOK
[Available full text online](#)

4  **Sugar - A bittersweet history**
Abbott, Elizabeth
London; New York: Duckworth Overlook, 2009, x, 453 p.: ill.; 25 cm., English
“... Sugar plantations -- History ... plantation owners. Although Sugar lingers a bit too long on the dark side of sugar ...”
BOOK
[Available full text online](#)

5  **The Asian sugar plantations in India and Indonesia**
Bosma, Ulbe 1962- author.
Cambridge: Cambridge University Press, 2013, 1 online resource., English
BOOK
[Available full text online](#)

Availability

In the library ~ 11
Full text online ~ 15,306
Peer reviewed ~ 7,252

MORE

Resource Type

Articles ~ 12,277
Newspapers ~ 4,142
Books ~ 3,070

MORE

Topic

EXPAND

Creator

EXPAND

Collection

EXPAND

Language

EXPAND

Classification LCC

EXPAND

- Fresh, fast, and intuitive
- New technologies based on RESTful APIs
- One experience for all devices
- Integrated exploration flow
- Flexible and easy to customize

Expanding the reach of the library

- ▶ The library is looking for ways in which it can be more involved in teaching and learning
 - ▶ To better support instructors and students
 - ▶ To ensure the proper use of materials
 - ▶ To optimally develop the library collections
 - ▶ To measure and demonstrate the library's value to the institution

Leganto: Ex Libris reading-list offering

- ▶ Serves instructors, students, and librarians
 - ▶ Instructors create, maintain, evaluate, and share reading lists and monitor their use
 - ▶ Students access materials, share their views, and suggest additional materials
 - ▶ Librarians make materials available and track their use through the library management service
- ▶ Tightly integrates with the course management system and other relevant systems and services and supports cross-system workflows

Reading Lists

Your Collection 14

Notifications

Politics and Social Change in Central America

Lorem ipsum dolor sit amet, consectetur tooltip example adipiscing elit. Sit expedita qui, cum consectetur provident vel rerum, aspernatur distinctio, culpa possimus similique.

PUBLISHED B790 Updated yesterday 5 items in 2 sections

All items

NEW SECTION

DONE

Essential Reading

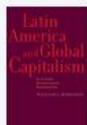
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquid quas magnam debitis maxime cum tempore neque accusantium. Dolorum ad nesciunt recusandae deserunt ipsam, commodi amet eos, minima dicta repellat est nihil quo.



Transnational Conflicts: Central America, Social Change, and Globalization
Robinson, William I.
New York: Penguin, 2003, 4th ed.

Read it online

3 5 24



Latin America and Global Capitalism: A Critical Globalization Perspective
Gunnel, John G.
University Press Of America, 1987, 4th ed.

15 34

Your Collection

Drag items into the reading list.

Search

Order by Date Added



Latin American Neostucturalism: The Contradictions of Post-Neoliberal Development
Fernando Ignacio Leiva



Social Change and Development: Modernization, Dependency and World-System Theories (SAGE Library of Social Research)
Alvin Y. So



Transnational Conflicts: Central America, Social Change, and Globalization
William I. Robinson
ADDED TO LIST



American Exceptionalism: A Double-Edged Sword
Anthony Giddens



Capitalism and Modern Social Theory: An Analysis of the Writings of Marx, Durkheim and Max Weber
Eric R. Wolf



ReORIENT: Global Economy in the Asian Age
Emile Durkheim

Summing up: our focus in 2015-2016

- ▶ Current focus: a higher level of discovery
 - ▶ Optimal support for known-item searching
 - ▶ Exploration trails, following relations between items
 - ▶ Support for serendipitous discovery
- ▶ Clustering, based on extensive data and Big Data technologies
- ▶ User experience
 - ▶ How things look and function
 - ▶ Support for mobile devices
 - ▶ Personalization
 - ▶ Digital discovery
- ▶ Better integration of the library services in teaching and learning environments



Thank you!

Tamar Sadeh, PhD

Director of Discovery and Delivery Strategy

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ExLibris
The bridge to knowledge