

圖書資訊系統的未來展望

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淡江大學資訊與圖書館學系

21 Feb., 2014

Outline

- Introduction
- Definition
- Trends
- Issues
- Conclusion

Introduction



Definition-1

- Terminologies
 - Library Automation
 - Integrated Library System
 - Library Management System
- ILS + ERM(Dempsey, 2008)
- ODLIS
 - Acquisitions, cataloging and authority control, serials control, circulation and inventory, and interlibrary loan and document delivery.
 - Link resolver
 - Portal and metasearch interfaces
 - E-resource management module
 - WWW

Source: Dempsey, 2008, <http://www.oclc.org/research/publications/library/2008/dempsey-portal.pdf>

Definition-2

- Breeding, 2012
 - Library services platforms
 - ILS
 - Discovery products and services
 - Federated search
 - Digital library management system
 - Electronic resource management support
 - Institutional repository
 - OpenURL linking application
 - Resource sharing systems
 - RFID support
 - Archives management

Source:

<http://www.thedigitalshift.com/2012/03/ils/automation-marketplace-2012-the-complete-survey-data/>

Definition-3

- Scope
 - Single v.s. multiple systems
 - Internal v.s. external
- Information carriers
 - Physical v.s. digital carriers such as monographs, books, journals, and so forth.
 - Genres: bibliographies, TOCs, full-texts and so forth.
- Object identifier
 - Traditional: Accession no, barcode, ISBN, ISSN, etc.
 - New: URL/URI, DOI, RFID, etc.

Trends-1

- ICTs
 - Mobile
 - Visualization
 - Open source
 - Clouds: SaaS, PaaS & IaaS

Trends-2

Google

- Books
- Maps
- Scholar and Citation
- iGoogle
- Google Search
 - Simple query box
 - Unified search & representation
- Google Generation

Amazon.com

- Bibliography
- TOCs
- Cover image
- Full-texts
- Comments
- Rating
- Recommendation
- Unified search & representation

Trends-3.1

- Digitization and Open
 - Digitization and born digital (digital libraries)
 - Journals, monographs, learning objects, etc.
 - Raw data and datasets (eScience, eResearch)
- Structure and Organization-DLibraries
 - Items
 - Series
 - Collections

DLF's Digital Collections Registry

The screenshot shows a web browser window with the URL dlf.grainger.uiuc.edu/dlfcollectionsregistry/browse/FullDisplay.asp?cid=70174. The page features the DLF Digital Library Federation logo and navigation links (Home, About, Contact, Logon). The main content area is titled "Full Description" and displays the "Allison Delarue Collection". It includes a "Find Out More About:" section with links to "Collection Description", "Collections Associated With This Collection", and "Projects Associated With This Collection". A "Collection Information" section lists the title, alternate title, and URL. A "Description" section provides a detailed overview of the collection's contents. A "GEM Subjects:" section lists "Arts", "Dance", and "Photography". On the left, there is a "Browse Collections by:" sidebar with links for Subject, Place, Time Period, Time Period and Place, and Title. Below this is a "Search Collections" box with a search input field and a "Go" button. At the bottom, the Windows taskbar shows the system clock as 04:24 on 2014/2/15.

digital collections registry x Full Description of Collec x Welcome to Facebook x

dlf.grainger.uiuc.edu/dlfcollectionsregistry/browse/FullDisplay.asp?cid=70174

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要 選項 x

DLF
DIGITAL LIBRARY FEDERATION

Digital Collections Registry

Home
About
Contact
Logon

Browse Collections by:

- [Subject](#)
- [Place](#)
- [Time Period](#)
- [Time Period and Place](#)
- [Title](#)

Search Collections

Go

Other Browse Options

Full Description

Allison Delarue Collection

Find Out More About:

- [Collection Description](#)
- [Collections Associated With This Collection](#)
- [Projects Associated With This Collection](#)

Collection Information

Title: Allison Delarue Collection

Alternate Title: William Seymour Theatre Collection

URL: http://libweb5.princeton.edu/Visual_Materials/Delarue/Htmls/index.html

Description: Ballet in the nineteenth century was an ideal medium for the manifestation of the Romantic movement. The Delarue Collection offers not only vignettes of this extraordinary time of artistry and grace, but also a glimpse of the entire period portrayed as well. Includes correspondence, manuscripts, prints, original art, posters, photographs, porcelains, and objects.

GEM Subjects: [Arts](#) [Dance](#) [Photography](#)

下午 04:24
2014/2/15

IMLS's DCC

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** oac online archive of c..., IMLS DCC Detail, Online Archive of Calif..., Welcome to Facebook...
- Address Bar:** imlsdcc.grainger.uiuc.edu/Detail/Collection/81602
- Language/Translation:** 此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要
- Navigation:** IMLS DCC | Title | Subject | Type | Date | Institutions | Collections
- Search:** [Search Box] [Magnifying Glass Icon]
- Section Header:** A Czech in the American Civil War
- Action:** See Original Collection [Link Icon]
- Collection Description:** This digital collection contains diaries and related items of soldiers from Iowa who fought in the American Civil War (1861-1865). The documents offer valuable insight on their day-to-day activities, accounts of battles, and feelings regarding the war and their time as soldiers. Several of the diaries include full or partial transcriptions.
- Subjects:**
 - United States--History--Civil War, 1861-1865.
 - Iowa--History.
 - American Civil War, letters and diaries
- GEM Subjects:**
 - Social Studies
 - State history
 - United States history
- Geographic Coverage:**
 - Midwest U.S. (general region)
 - North and Central America (continent)
 - United States (nation)
 - Iowa (state)
- Time Period:**
 - 1850-1899
 - 1862-1865
- Objects Represented:**
 - Photographs / slides / negatives
- Share:** Find this interesting? Share it! [Twitter] [G+1] [Facebook Like] [0]
- From this Collection:** [Section Header]



Trends-3.2

Structure and Organization- DArchives

- Fonds
- Series
- Files
- Items

Structure and Organization- eLearning

- Content Aggregation
- Sharable Content Object
- Asset

OAC

oac online archive of cal x Guide to the 1906 San F... 中央研究院計算中心 web... x

www.oac.cdlib.org/findaid/ark:/13030/hb8779p2cx/dsc/#c1

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要 選項 x

Collection Guide

http://www.oac.cdlib.org/findaid/ark:/13030/hb8779p2cx

Collection Title: Guide to the 1906 San Francisco Earthquake and Fire Digital Collection

Collection Number: Various; consult contributing institutions

Get Items:
[Online items available](#)
[Contact UC Berkeley::Bancroft Library](#)

View entire collection guide ?
no PDF HTML

Search this collection
go
 Entire Collection Guide Online Items

Table of contents ?

1 of 13 pages Results page: |<< Previous 1 Next >>|

Container List

Pictorial Works

The Bancroft Library

BANC PIC 1905.02074-.02118--STER Views of San Francisco and Oakland, Calif., After the 1906 Earthquake and Fire
Contributing Institution: The Bancroft Library

BANC PIC 1905.02074--STER Telegraph Hill Burning. Photographer: Clinton Johnson. Photographer's number: 4. Place of publication: Los Angeles, Cal. Date of publication: c1906. Photographer's series: San Francisco Earthquake Series.
[view online item](#)

Collection Overview
Collection Details
Collection Summary
Information for Researchers
Administrative Information
Scope and Content of Collection

- Container List
 - Pictorial Works
 - The Bancroft Library
 - California Historical Society
 - California State Library
 - The Huntington Library
 - Society of California Pioneers
 - The Stanford University Library
 - Personal Accounts
 - The Bancroft Library
 - California Historical Society
 - Society of California Pioneers
 - The Stanford University Library
 - Official Correspondence



eLearning-1

所在位置 · 首頁 / 教學資源 / 生涯規劃

教學資源

精選主題

- 重大節日(211)
- 新聞時事(640)
- 國中小精選(363)
- 高中職精選(244)
- 大專院校精選(1,285)

縣市特輯

- 每週特輯(1,495)
- 縣市列表(31)

國中小(153,010)

高中職(22,457)

相關資源推薦

- 生涯金三角
- 沈芯菱的生涯金三角
- 生涯金三角-圖表
- 我選, 故我負責
- 草根孩子沈芯菱

看此資源的人也會看了

- 生涯序曲_單元簡介
- 人生的十字路口
- 我的抉擇
- 生涯啟航
- 我的抉擇我的夢

生涯序曲

評比: ★★★★★ (0)

迴響: 0

瀏覽: 88

下載: 5

問題回報

複製引用

觀看迴響



藉由名人沈芯菱的故事, 使學生了解生涯規劃之意義; 並以其為例, 進一步說明生涯規劃模式, 使同學能認識生涯金三角的重點所在。

8+1 0

Tweet 0

Like Share

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轉寄 分享給好友



資源介紹

上傳單位/時間: 教育部 / 2012-02-01

關鍵字: [教育與職業資料](#)、[生涯規劃模式](#)、[生涯金三角](#)、[生涯規劃](#)、[環境](#)、[個人](#)

資源位置: <http://hsmaterial.moe.edu.tw/file/cp/CP100-111/cp100-111.html>

適用年級: 高一、高二、高三

適用領域或議題: 生涯規劃

使用語言: 中文

資源類型: 課程 CA

資源版本: 這份上傳的資料為 正式版 (1.0) 版

授權方式: [姓名標示-非商業性-相同方式分享 2.5 台灣版](#)

eLearning-2

教學資源

精選主題

- 重大節日(211)
- 新聞時事(640)
- 國中小精選(363)
- 高中職精選(244)
- 大專院校精選(1,285)

縣市特輯

- 每週特輯(1,495)
- 縣市列表(31)

國中小(153,010)

高中職(22,457)

相關資源推薦

- 沈沁菱的生涯金三角
- 生涯序曲
- 生涯金三角-圖表
- 我選，故我負責
- 生涯序曲_單元簡介

看此資源的人也會看了

- 生涯序曲_教學教案
- 人生的十字路口
- 我的抉擇
- 生涯點航
- 我的抉擇我的夢

生涯金三角

評比：☆☆☆☆☆(0) 迴響：0 瀏覽：81 下載：14

問題回報 複製引用 觀看迴響

說明生涯規劃的意義與生涯規劃模式。

8+1 0 Tweet 0 Like Share Be the first of your friends to like this.

收藏 刪除 轉寄 分享给好友

資源介紹

上傳單位/時間：教育部 / 2012-02-01

關鍵字：[教育與職業資料](#)、[生涯規劃模式](#)、[生涯金三角](#)、[生涯規劃](#)、[環境](#)、[個人](#)

檔案下載：[cp100_111_KB_2.rar](#)

適用年級：高一、高二、高三

適用領域或議題：生涯規劃

使用語言：中文

資源類型：電話教學活動 SCO ←

資源版本：這份上傳的資料為 正式版 (1.0) 版

授權方式：[姓名標示-非商業性-相同方式分享 2.5 台灣版](#)

eLearning-3

教學資源

精選主題

- 重大節日(211)
- 新聞時事(640)
- 國中小精選(363)
- 高中職精選(244)
- 大專院校精選(1,285)

縣市特輯

- 每週特輯(1,495)
- 縣市列表(31)

圖中小(153,010)

高中職(22,457)

相關資源推薦

- 草蓀孩子沈芯菱
- 生涯序曲_教學教案
- 生涯序曲_單元簡介
- 生涯金三角
- 沈芯菱的生涯金三角

看此資源的人也會看了

- 茫然人生中的一盞明燈...
- 預見/遇見未來
- 職業調查訪問學習單
- 我選,故我負責_單元...
- 人生的十字路口_單元...

生涯啟航

評比: ☆☆☆☆☆ (0) 瀏覽: 0 溫度: 70 下載: 2

問題回報 複製引用 觀看追蹤

在開啟生涯航程中同學與老師共同協定的規則,以示對此堂課負責。

 0  0  Like  Share Be the first of your friends to like this.

收藏 刪除 轉寄 分享給好友

資源介紹

上傳單位/時間: 教育部 / 2012-02-01

關鍵字: [生涯規劃模式](#)、[生涯規劃](#)

檔案下載: [cp100_111_SA_1.rar](#)

適用年級: 高一、高二、高三

適用領域或議題: 生涯規劃

使用語言: 中文

資源類型: 學習單 Asset

資源版本: 這份上傳的資料為 正式版 (1.0) 版

授權方式: [姓名標示-非商業性-相同方式分享 2.5 台灣版](#)

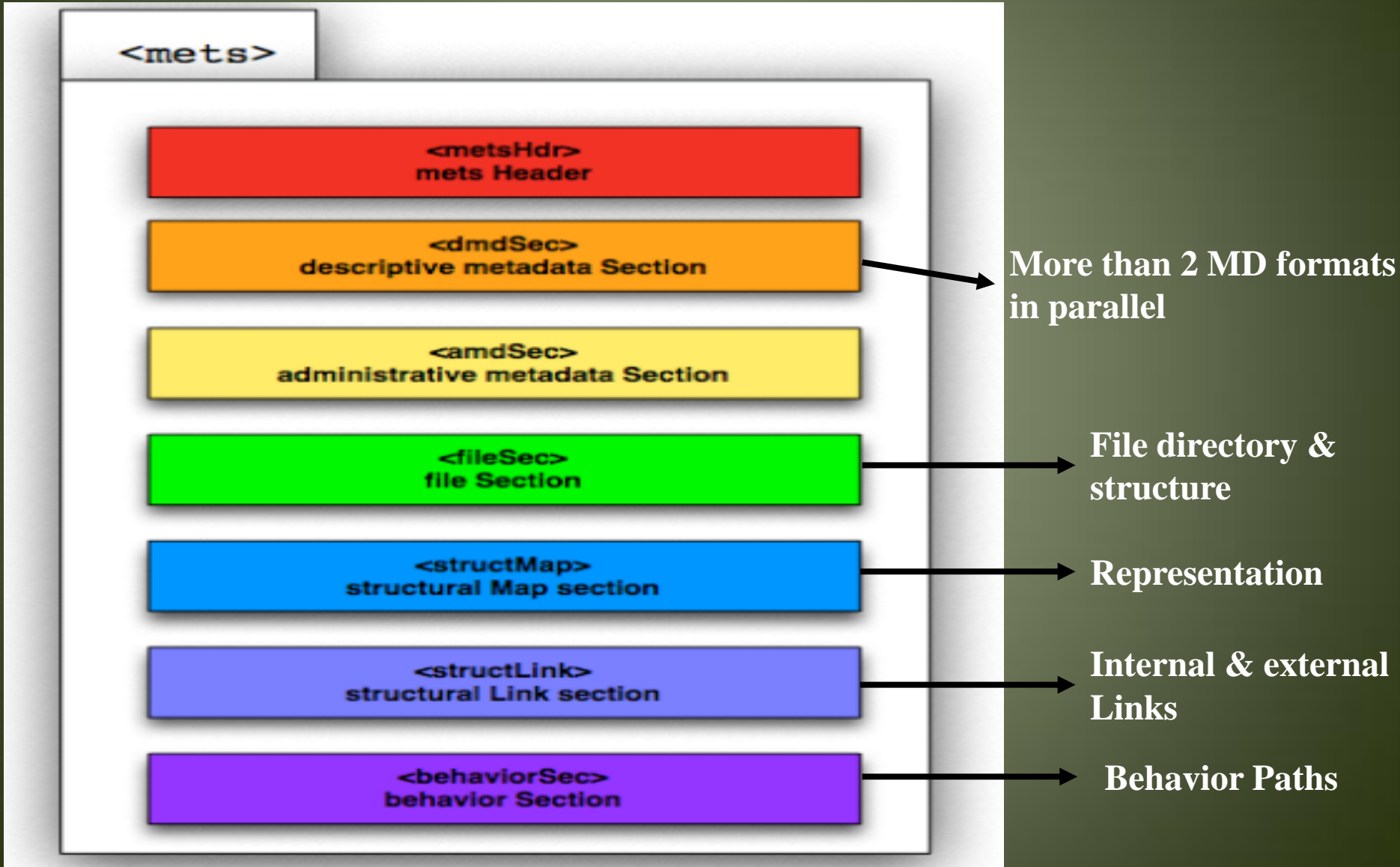
Trends-3.3

- Interoperability and Integration
 - Harvest: OAI-PMH
 - Crosswalking or mapping
 - Metadata Encoding and Transmission Standard

METS-1



METS-2



Trends-3.4

- Representation
 - GIS orientation: Temporal and Spatial
 - Ontology orientation: European

ADL

adl alexander digital libr x Globetrotter - NGDAInt x

clients.alexandria.ucsb.edu/globetrotter/

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要 選項 x

Search Any object type sorting by date, newest first with 26 results per page.






Search for the words: los angeles or works by

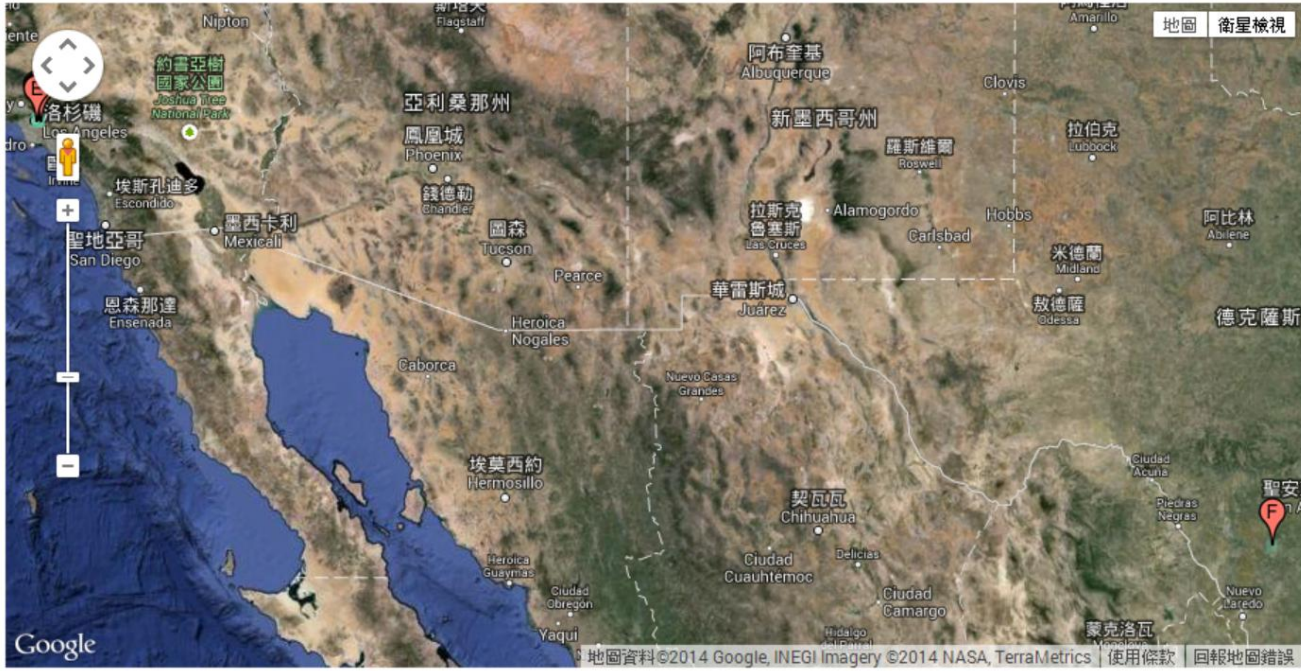
Text Searches | More Options | Advanced Text | Advanced Time/Space | Reset Query | Help

Search Results

Showing results 1 to 8 of 8 results.

First Previous Next Last

-  **A) DRG o34118a2, Digital Raster Graphic of LOS ANGELES, CA**
[Object Details](#) | [Look Closer](#) | [Toggle Result on Map](#)
-  **B) 3.75-MIN DIGITAL OQ B/W of LOS ANGELES, CA**
[Object Details](#) | [Look Closer](#) | [Toggle Result on Map](#)
-  **C) 3.75-MIN DIGITAL OQ B/W of LOS ANGELES, CA**
[Object Details](#) | [Look Closer](#) | [Toggle Result on Map](#)
-  **D) 3.75-MIN DIGITAL OQ B/W of LOS ANGELES, CA**
[Object Details](#) | [Look Closer](#) | [Toggle Result on Map](#)
-  **E) 3.75-MIN DIGITAL OQ B/W of LOS ANGELES, CA**
[Object Details](#) | [Look Closer](#) | [Toggle Result on Map](#)



地圖 衛星檢視

Google 地圖資料 ©2014 Google, INEGI Imagery ©2014 NASA, TerraMetrics 使用條款 回報地圖錯誤

Windows taskbar: e, File Explorer, Task Manager, Chrome, PowerPoint, etc. System tray: keyboard, volume, network, clock (下午 04:45 2014/2/15)

Europeana

達文西 - Google Search x Leonardo da Vinci - Eurc x

www.europeana.eu/portal/search.html?query=Leonardo+da+Vinci&rows=24

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要

Europeana think culture

Search Leonardo da Vinci Search Help

Matches for:
Leonardo da Vinci

Refine your results:
Add more keywords + Add

By media type
 IMAGE (1906)
 TEXT (442)
 VIDEO (72)
 SOUND (6)

By language of description
 Italiano (1555)
 Deutsch (320)
 Multilingue (mul) (181)
 Español (113)

Results per page: 24 Results 1 - 24 of 2,426 1 of 102 > >>

Leonardo da Vinci Leonardo da Vinci Leonardo da Vinci Leonardo da Vinci

Leonardo da Vinci Leonardo da Vinci

Trend-4

- Web 2.0
 - Mashup and remix
 - Collective intelligence
 - Social network

Trend-5

- Semantic web and Linked Data
 - HTTP
 - URI
 - RDF
 - Link(ontology)

Issues-1

Creation and Type of information resources

- Acquisition: internal vs. external, and single vs. multiple sources
- Object: physical v.s. digital (digitization and born digital)
- Genre
 - Full-texts: such as books, journals.
 - Ref.: such as abstracts, indexes, and citation.
 - Web 2.0: Images, videos, and tags.
 - Online games
 - Raw data and datasets
 - Behaviors
 - Business Intelligence: such as Amazon
 - Collective Intelligence: Web 2.0 and Books provided by Institute for the Future of the Book

Institute for the Future of the Book-1

The screenshot shows a web browser window with the URL www.futureofthebook.org/mckenziemark/. The page has a pink header with the text "GAMER THEORY / McKenzie Wark / Institute for the Future of the Book". Below the header, there are four main columns:

- Read:** Features a book cover for "Gamer Theory" by McKenzie Wark. Below the cover, it says "From Harvard University Press. Includes an edited selection of comments from the Version 1.1 web edition." At the bottom of this column is a blue button labeled "This Spartan Life".
- Read/Write:** Shows a snippet of text with a yellow background and a "001" label. Below the text, it says "Networked editions with reader discussions alongside the text." and includes a quote: "Not since *Steal This Book* has a book's radical packaging so threatened to upstage its radical content." —Julian Dibbell, *The Village Voice*. At the bottom is a blue button labeled "Version 2.0".
- Visualize:** Displays a circular visualization of text. Below it, the text reads: "Visualizations of Gamer Theory 2.0. These pose the question of what digital technology can bring to the presentation of text. Are there new ways of perceiving text, or re-imagining text, that can only happen in the networks? Could visualization change not only how we 'read' but how we write?". At the bottom is a blue button labeled "Visualizations".
- Discuss:** Contains the text: "A free-fire discussion area to discuss the text in all its versions, the visualizations, and any other issues related to games and game play. This is also a good place to talk about and compare the different forms in which this book has been published and to reflect upon the different reading experiences they afford." Below this is a blue button labeled "Current Topics" with the text "Forums are currently disabled". At the bottom is a pink button labeled "Extras" with sub-links for "About", "Press", and "Contact: curator [at] futureofthebook.org".

The browser's taskbar at the bottom shows various icons and the system clock indicating the time is 04:48 on 2014/2/15.

Institute for the Future of the Book-2

Institute for the Future of the Book x GAMER THEORY 2.0 x

futureofthebook.org/gametheory2.0/?cat=2

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要 選項 x

GAMER THEORY / McKenzie Wark / Version 2.0

(see Version 1.1 of this card)

Benja
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home
He fil

(see Version 1.1 of this card)

026

028.9.0.

In *The Sims*, you create characters like Benjamin, build and furnish homes for them, find them jobs and friends. All in a world without a sky. Perhaps a game like *The Sims* could be a parody of everyday life in 'consumer society'. Benjamin and his friends dream of things. Things make them happy. They find a nice sofa so much more relaxing than a cheap one. As the game's designer Will Wright says: "If you sit there and build a big mansion that's all full of stuff, without cheating, you realize that all these objects end up sucking up all your time, when all these objects had been promising to save you time. ... And it's actually kind of a parody of consumerism, in which at some point your stuff takes over your life." Others disagree. Game scholar Gonzalo Frasca: "Certainly, the game may be making fun of suburban Americans, but since it rewards the player every time she buys new stuff, I do not think this could be considered parody." In *The Sims*, characters can have lots of different jobs, but as Fredric Jameson says: "parody finds itself without a vocation.*"

Recent Comments in Forum

Forum has been discontinued
We are looking into whether it is possible to resurrect the forum, but have had to disable it since moving servers.
[Go To Forum](#) →

Comments for 028.

Leave a new comment
(All comments will be moderated)

name*:

e-mail*:

website:

Submit

on ← → search

Windows taskbar: e, folder, gear, double arrow, Chrome, PowerPoint, OneDrive, 下午 04:50 2014/2/15

Source: <http://futureofthebook.org/gametheory2.0/?cat=2>

SWJ-1

approaches to visualisin... (Partial) User Preference ...

www.semantic-web-journal.net/content/partial-user-preference-similarity-classification-based-model-similarity

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要

Semantic Web – Interoperability, Usability, Applicability an IOS Press Journal

Search...

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Log in

Editorial Board

Editors-in-Chief
Pascal Hitzler
Krzysztof Janowicz

Editorial Board
Harith Alani
Claudia d'Amato

(Partial) User Preference Similarity as Classification-Based Model Similarity

Submitted by Krzysztof Janowicz on 02/22/2012 - 09:50

Paper Title:
(Partial) User Preference Similarity as Classification-Based Model Similarity

Authors:
Amancio Bouza and Abraham Bernstein

Abstract:
Recommender systems play an important role in helping people finding items they like. One type of recommender system is collaborative filtering that considers feedback of like-minded people. The fundamental assumption of collaborative filtering is that people who previously shared similar preferences behave similarly later on. This paper introduces several novel, classification-based similarity metrics that are used to compare user preferences. Furthermore, the concept of partial preference similarity based on a machine learning model is presented. For evaluation the cold-start behavior of the presented classification-based similarity metrics is evaluated in a large-scale experiment. It is shown that classification-based similarity metrics with machine learning significantly outperforms other similarity approaches in different cold-start situations under different degrees of data-sparseness.

Full PDF Version:
[swj251.pdf](#)

Submission type:
Full Paper

Responsible editor:
Claudia d'Amato

Decision/Status:

Reviewed Articles

- All accepted articles
- All reviewed articles
- Accepted articles by views
- Accepted survey articles
- Accepted tools/system papers
- Accepted Dataset descriptions

Authors & Reviewers

- Submission Types
- Submission Guidelines
- Open and Transparent Reviews

Links

Windows taskbar: 下午 04:53 2014/2/15

Source: <http://www.semantic-web-journal.net/content/partial-user-preference-similarity-classification-based-model-similarity>

SWJ-2

approaches to visualis... x (Partial) User Preference x

www.semantic-web-journal.net/content/partial-user-preference-similarity-classification-based-model-similarity

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要

Loia Arroyo
Boyan Brodaric
Philipp Cimiano
Oscar Corcho
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Reviews:

Review 1 by Vojtech Svatek

The paper presents a method and extensive experiment in using machine learning for user-similarity-based recommendation.

My main problem with the current version of the paper is (following the experience of a previous reviewer) the cumbersome way in which the authors approach is explained. I had to read most of the text 2-3times, and finally I would say that it can be summarized as a straightforward sequence of activities from the ML point of view:

- 1) For each user, a classifier is learned from labeled examples.
- 2) Unlabeled examples are labeled by this classifier.
- 3) Based on the classified examples (hypothetical ratings) the similarity of users is computed.
- 4) When recommending items to a certain user, the ratings of similar users are taken into account.

I dont see any point in the lengthy formal treatment of the problem, with 24 numbered formulae, where most statements in both symbols and text are inherently trivial but explained in complex terms. On the other hand I still miss a well worked-out running example, which was demanded by the previous reviewers.

The formal part itself has quite a few flaws, for example:

- In (4) c is introduced as if it were invariant wrt. g , which is definitely not the case.
- In the itemlist between (5) and (6), the set of items G_i is certainly not part of experience of a user by itself
- (7) is trivial any probability in the world must be smaller or equal than 1!
- The hypothesis space H is only mentioned once what does it mean?
- The left side of equation (20) doesnt contain s - why?

I dont see much novelty in the probabilistic nor correlation-based similarity. Furthermore, the claim that the unified rated item set approach in the former is a good approximation is not entirely convincing. It may give too much weight to the relative size of the common rated item set. For example, if the two users rated 55 objects each, 10 of them are shared, and all of these are rated same, the value of the metric is only 0,1. In contrast, if the two users rated 15 objects each, 10 of them are shared, and 5 (i.e. only half) of these are rated same, the value is 0,4.

Even simple notions such as interval rating and ratio rating are explained in an absolutely unclear way.

An interesting observation is the directionality of partial similarity, meaning that e.g. similarity of user A and user B is measured wrt. a category C considered by user A. However, its impact is not studied further.

Another problem that remains is the limited relevance to semantic web topics. The paper now mentions the YouLike ontology and shows an RDF fragment associated with it, however the ontology is not explained and there is even no link to its code (it was only published as part of the first author's thesis?).

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Issues-2

Granularity and Identification

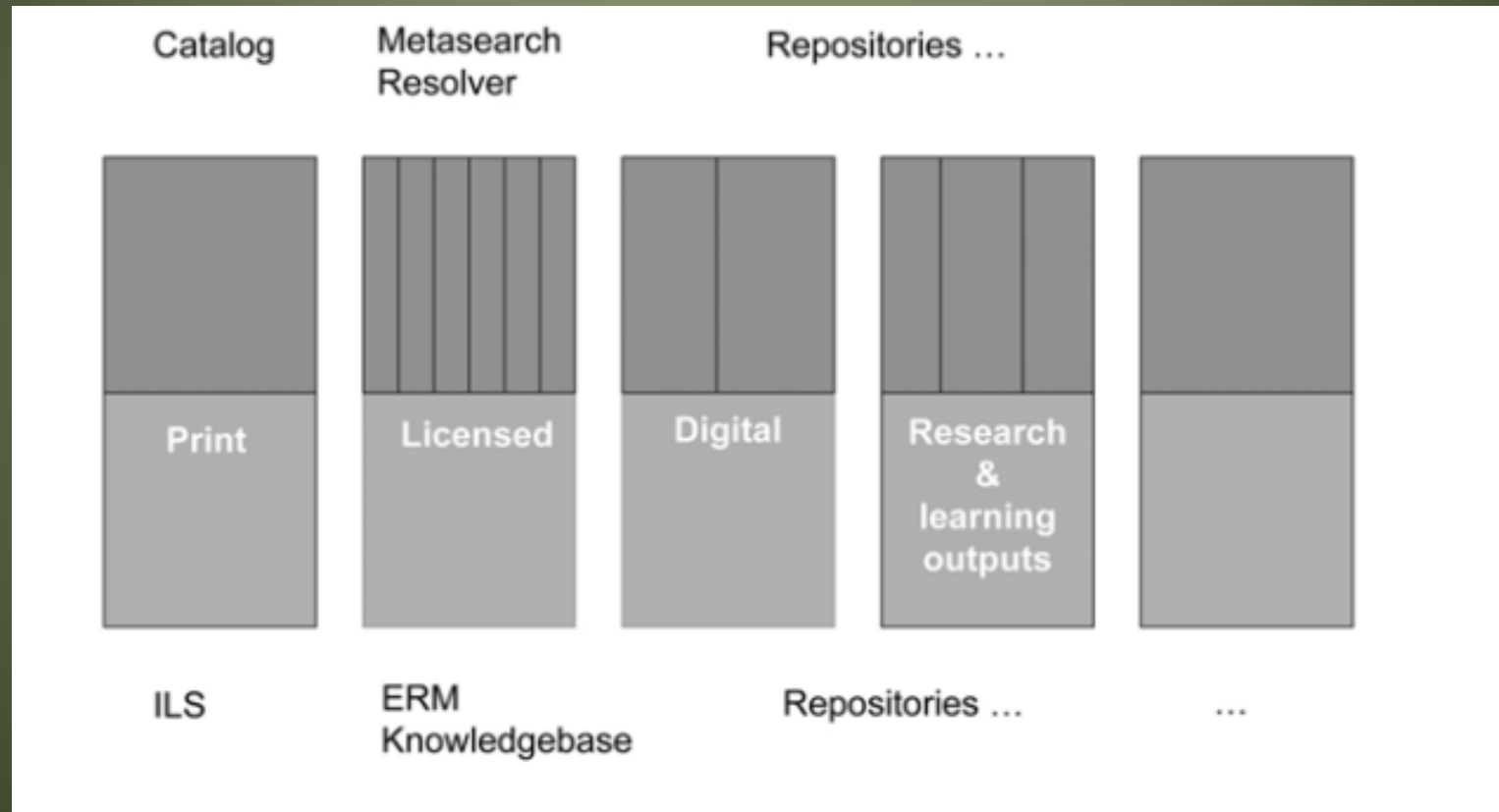
- Divergence and Convergence
 - Remix and Composite/Compound Object
 - FB example
- Digital Libraries/Archives and eLearning
- Identifier
 - Object: ARK, DOI, ISBN, ISSN, PURL, & URI/URL, etc.
 - Record: NBN, OAI, arXiv ID
 - Subject: LCSH
 - Person: VIAF, ResearchID, ORCID
 - DBpedia: knowledge entry/unit
 - ADL: geographic name

Issues-3

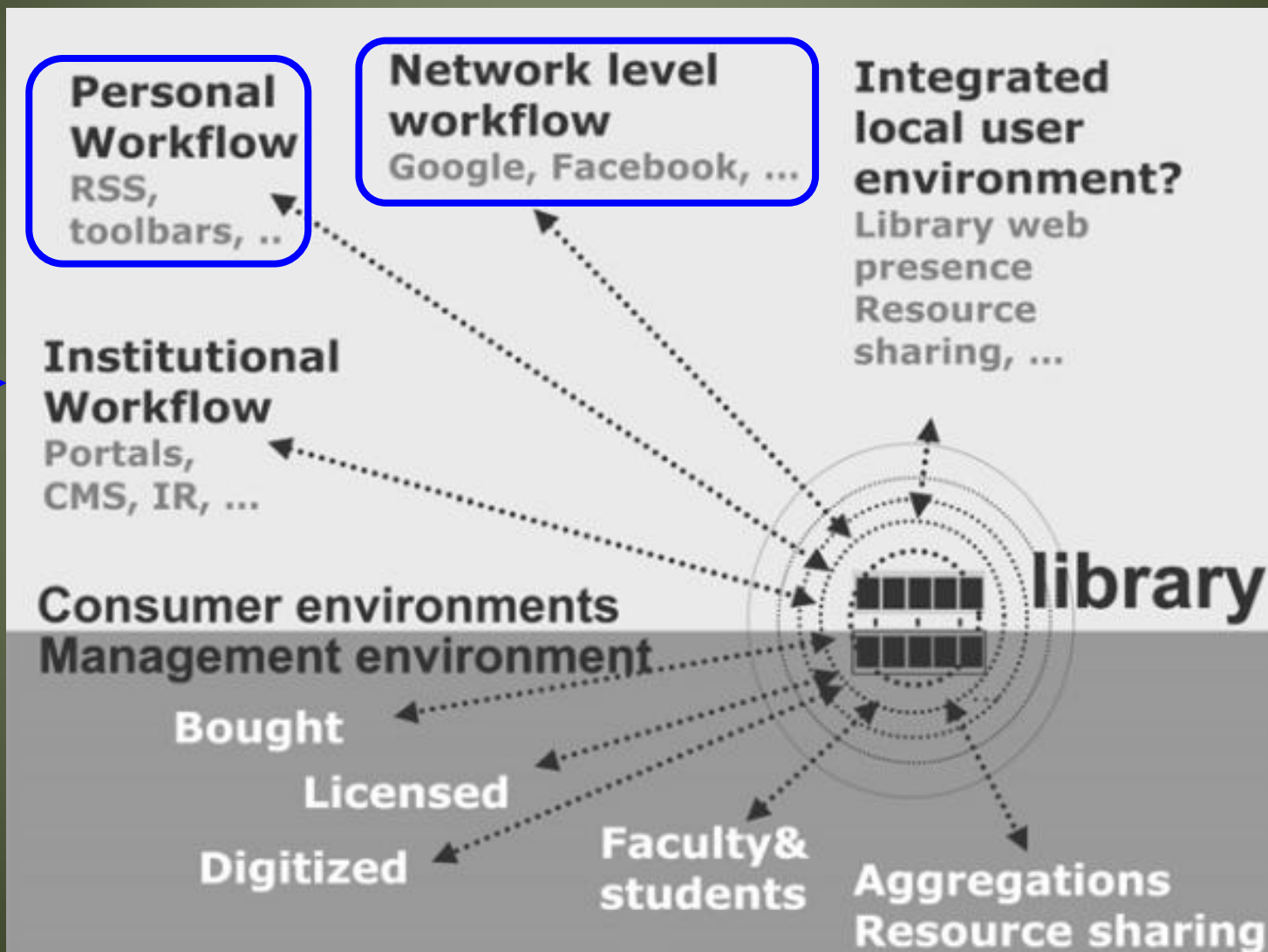
Organization and Management

- Unified organization and management
 - Amazon and Google
 - Unified Resource Management: BL and Ex Libris
- Dempsey's viewpoints

Dempsey's Viewpoints-1



Dempsey's Viewpoints-2



Issues-4

Association

- BI orientation: such as Amazon
- CI orientation: such as FB through by FOAF
- Linked Data-based orientation
- Ontology-based orientation
 - FRBR, FRSAD, and FRAD(Libraries)
 - Provenance and Fonds(Archives)
 - CIDOC CRM(Museums)
 - FRBRoo(Libraries and Museums)
 - W3C: RDF, OWL, URI, etc.
 - Others

Issues-5

Strategic Alliance

- Homogeneous
 - Hathitrust
 - Open Content Alliance
 - Open Library
 - Evergreen
 - Koha
- Heterogeneous
 - LibraryThing, LC, and Bowker
 - Sierra/OLE/WorldShare Management and Publishers
 - LAMs

Issues-6

Automation

- Information Flow
 - Business Process/Workflow
 - Metadata: AMeGA
 - Full-texts: Million Book Project
 - Behaviors

Conclusion

	Intangible	Tangible
Entity	Information-as- knowledge Knowledge	Information-as- thing Data, document, recorded knowledge
Process	Information-as- process Becoming informed	Information Processing Data processing, document processing, knowledge engineering

Thanks for your attention.