IRS Interoperable Repository Statistics

University of Southampton
## &
Key Perspectives

Flexible, useful, insightful and interoperable statistics for your repository.
- Data gathering backend
- Query engine
- Presentation interface

all can be run as an external service or integrated with your repository. *See web site for more details*.

Statistics or D*mn Lies?

❶ All repositories deliver public documents to users and maintain private access logs from their web server.

HTTP Request

Repository

Access Log

Abstract

PDF Adobe

HTML

W

Other Formats
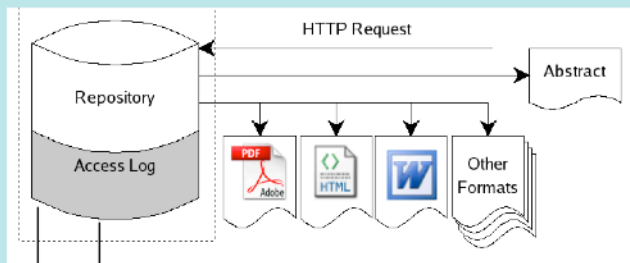
❷ Some also present local access statistics worked up from those logs.
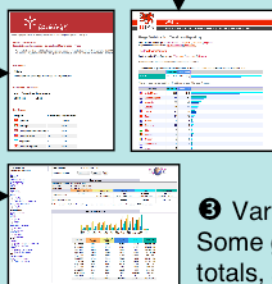
❸ Variety is the spice of life! Some give overall repository totals, some a 'top 10' of most downloaded papers, others a download count for each paper. Some measure full texts downloads only, some abstracts, some combined. Some ignore multiple clicks, some weed out crawlers.

❹ How can they be compared? How can use of the global Open Access literature be measured fairly? How can we deliver COUNTER-style stats across all repositories?

- Repositories measure different things
  - abstract *vs* full text
  - readings *vs* bots
- Repositories report different things
  - Graphs
  - Charts
  - Top 10 lists

Interoperability Proposal

To ensure a level playing field for repository stats and to enable accurate usage reporting of articles, data sets and journals for many purposes, the UK Institutional Repository Statistics project (JISC) and the EU Knowledge Exchange project (JISC-UK, DINI-Germany, DEFF-Denmark, SURF- Netherlands) propose community agreement on

(1) interpretation of 'usage event evidence' in web logs - ie an entry for an eprint abstract page or any component bitstream that is not repeated within 60 minutes with standardised ways of eliminating crawler and non-human download activities

(2) a 'usage event format' for OAI interchange and long term storage of usage events that is capable of recording individual users in an anonymous form

(3) The use of OAI to share log data as well as metadata. For metadata use Dublin Core, for log events use OpenURL ContextObjects.

Metadata Indexer

OAI-PMH
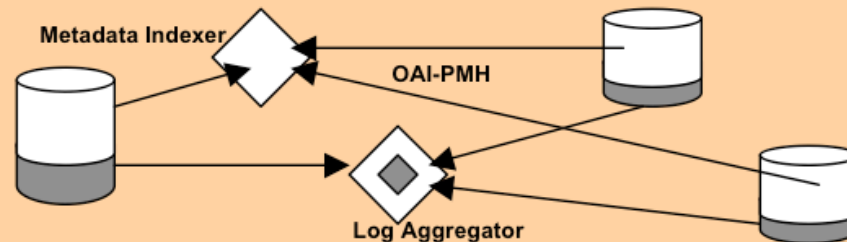
Log Aggregator

`www.citebase.org` *is an example of an experimental Log Aggregator that integrates citation and download analyses*

IRStats User Queries

Enter Some Parameters

Date Range

- ⦿ Period: [Last six months ▾]
- ○ From date: [Beginning ▾] [May ▾] [2006 ▾]
  - Until date: [End ▾] [May ▾] [2007 ▾]

Set of Eprints

- ⦿ All
- ○ Research Group [Choose a group ▾]
- ○ Author [Choose an author ▾]
- ○ List of eprint ids [_____]

Note: user can choose a single eprint *or any collection*

Choice of Visualisation

- ○ MonthlyDownloads
- ○ DailyDownloads
- ○ MonthlyUniqueVisitorsGraph
- ○ 29327 DownloadCountHTML

- ○ ReferrerGraph
- ○ SearchEngineGraph
- ○ SearchTermsTable
- ○ TopCountriesTable
- ○ TopAcademies
- ○ RawDataTableHTML
- ○ RawDataTableCSV

- ○ TopTenTable
- ○ TopTenAuthorsTable
- ○ TopItemHTML
- ○ RandomFromTopTenHTML
- ○ HighestClimbersTable
- ○ MonthlyDownloadsByGroup
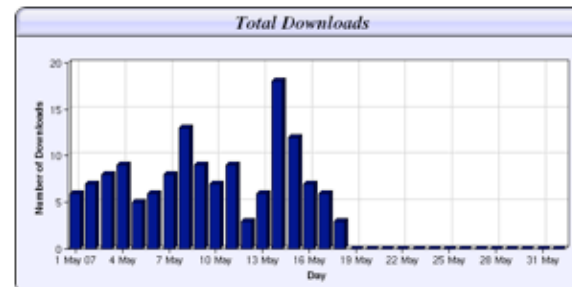
Note: user can choose a variety of views.

[Submit]

Download Dashboard For Eprint #9225

Hardoon, D. R., Szedmak, S. and Shawe-Taylor, J. (2003) Canonical correlation analysis; An overview with application to learning methods. Technical Report CSD-TR-03-02, Computer Science Department, Royal Holloway, University of London.
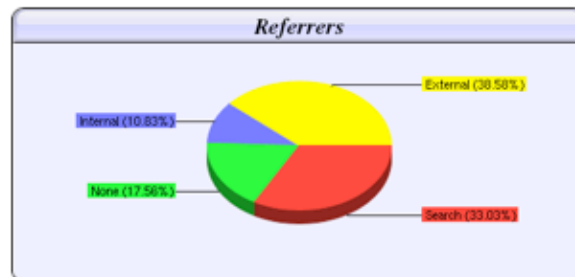
Monthly Downloads

Total Downloads

Daily Downloads

Total Downloads

Referrer Types

Referrers

External (38.58%)
Internal (10.83%)
None (17.56%)
Search (33.03%)

Top University Visitors

asu.edu	6
ic.ac.uk	5
uiuc.edu	5
ucsd.edu	5
qmul.ac.uk	5
utexas.edu	5
ui.edu	5
stanford.edu	5
rit.edu	5

Top External Links

http://en.wikipedia.org/wiki/Canonical_correlation_analysis	257
http://eprints.ecs.soton.ac.uk/9225/	114
http://en.wikipedia.org/wiki/Canonical_correlation	108
http://www.idiap.ch/lce/	28
http://www.public.asu.edu/~huanliu/dmml_presentation/P05-06.html	13
http://www.answers.com/topic/canonical-correlation	5

Top Search Terms

Canonical Correlation Analysis	32
canonical correlation	28
Canonical Correlation Analysis: An Overview with Application to Learning Methods	12
Canonical Correlations	9
Kernel Canonical Correlation Analysis	5
cca canonical correlation analysis	4

Note: repository manager can make bespoke complex views!

Every Eprint Tells a Story

What explains its download profile?

Why makes it popular … or not?

Hardoon, D. R., Szedmak, S. and Shawe-Taylor, J. (2003) Canonical correlation analysis; An overview with application to learning methods. Technical Report CSD-TR-03-02, Computer Science Department, Royal Holloway, University of London.
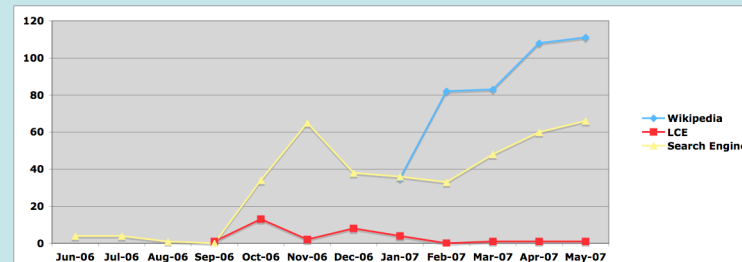`http://eprints.ecs.soton.ac.uk/9225/`
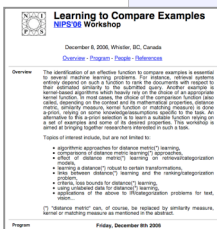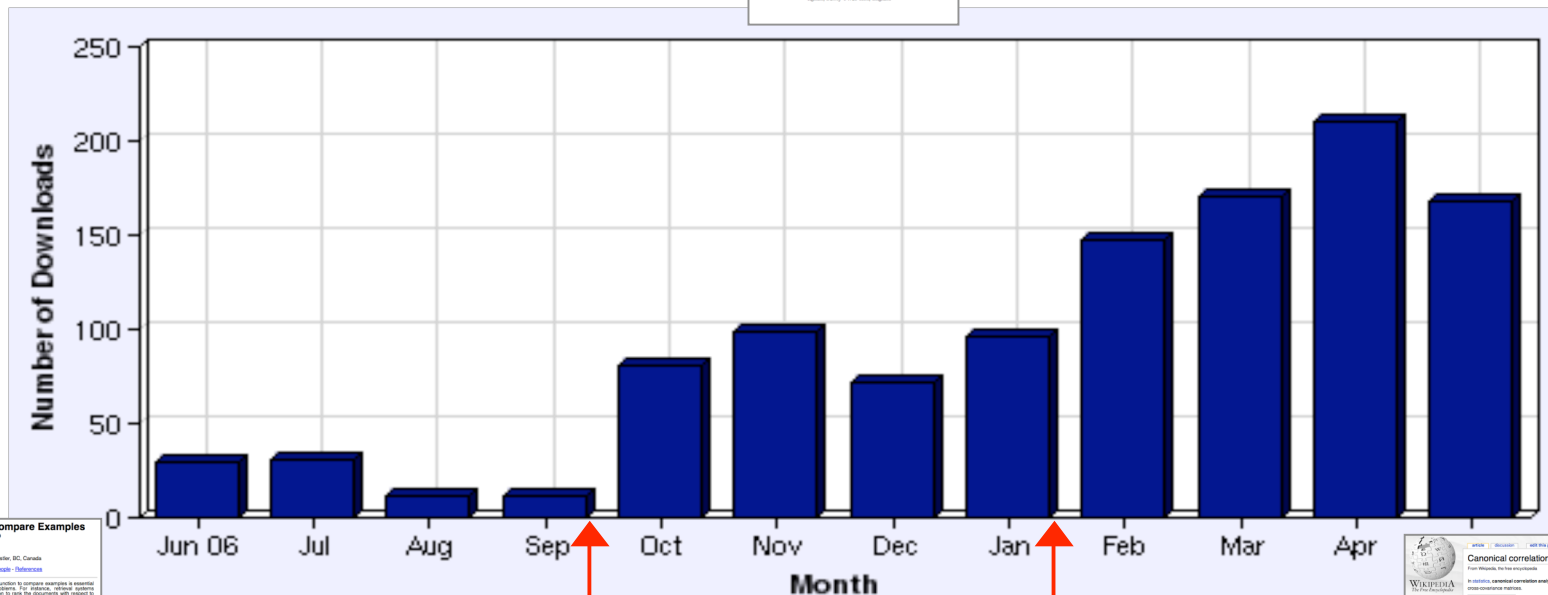
End Sept 2006: NIPS 2006 workshop linked to this eprint from its webpage
http://www.idiap.ch/lce/

End Jan 2006: external reference on the Wikipedia "Canonical correlation" page at http://en.wikipedia.org/w/index.php?title=Canonical_correlation
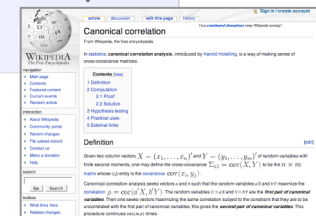
Both external links bring new visitors directly to this *unpublished technical report*, but another effect is to increase the Google search traffic **as a result of increased PageRank**.

Deployment at home page of eprints.ecs.soton.ac.uk

Example: previous day's top download from each research group
- **promotes broad sample from whole school**
- **results change frequently to improve interest**

Example: previous year's downloads for entire repository. **Documents the success of the repository.**

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Browse by research group
Browse by year

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Welcome to the publications database for Electronics and Computer Science at the University of Southampton. See also the main University of Southampton EPrints repository.

This repository contains 11333 records!

[ ] Return all matching records [search]

Recently added publications

Symbiosis, Synergy and Modularity: Introducing the Reciprocal Synergy Symbiosis Algorithm.
Mills, R. and Watson, R. A..

Impedance spectroscopy using maximum length sequences: Application to single cell analysis.
Gawad, S., Sun, T., Green, N. and Morgan, H..

Electric field analysis using Schwarz-Christoffel mapping – for bio-particle manipulation and separation.
Sun, T., Hywel, M. and Green, N..

Analytical solutions of the dielectrophoretic and travelling wave force generated by interdigitated electrode arrays.
Sun, T., Hywel, M. and Green, N..

String Hypothesis and Characters of Coset CFTs.
Dasmahapatra, S..

Statistics of Quasi-particles and Characters of CFTs.
Dasmahapatra, S..

Virasoro Characters from Bethe Equations for the Critical Ferromagnetic Three-State Potts Model.
Dasmahapatra, S., Kedem, R., McCoy, B. and Melzer, E., Dasmahapatra, S. and Foda, O..

Integrating Hypermedia Techniques with Augmented Reality Environments.
Sinclair, P..

Investigating ontogenetic space with developmental cell lineages.
Geard, N. L. and Wiles, J..

Yesterday's top downloads

Communications

HANZO, L., CHOI, B. J. and Maunder, M. (2006) A Stroll along Multi-carrier Boulevard to Next-Generation Plaza. In *Proceedings of IEEE VTC'06 Spring*, Melbourne, Australia.

Dependable Systems and Software Engineering

Garratt, P. W. and Jam, E. R. (2005) Open Source Planning and Management Tool PPMT. In *Proceedings of ICMS'05 International Conference on Modeling and Simulatio*, Marrakesh Morocco.

Electrical Power Engineering

Osman, M., Chen, G. and Pilling, N. (2003) Effect of high resistive barrier on earthing system. In *Proceedings of 13th International Symposium on High Voltage Engineering*, CD ROM, Delft, Netherlands.

Electronic Systems Design

Light, C. M., Chappell, P. H. and Kyberd, P. J. (2002) Establishing a Standardized Clinical Assessment Tool of Pathologic and Prosthetic Hand Function: Normative Data, Reliability, and Validity. *Archive of Physical Medicine and Rehabilitation* 83 pp. 776-783.
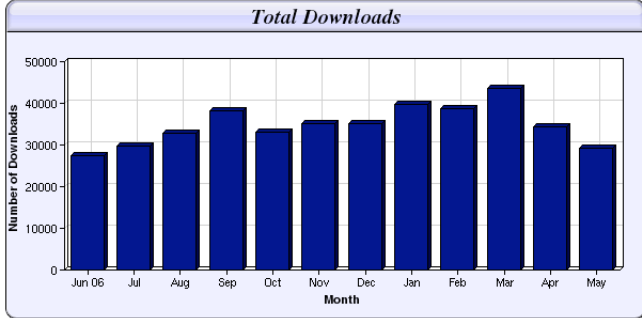
Information: Signals, Images, Systems

Hardoon. D. R.. Szedmak. S. and Shawe-Tavlor. J. (2003) Canonical correlation

Science and Engineering of Natural Systems

Cliff, D. (2006) *Evolutionary Optimization of ZIP60: A Controlled Explosion in Hyperspace*, in Fasli, M., Eds. *Proceedings of the Trading Agent Design and Analysis / Agent Mediated Electronic Commerce VIII (TADA/AMEC2006) Joint Workshop*. Springer.

Statistics for this Repository

Total Downloads

(Bar chart: Number of Downloads vs Month, Jun 06 to May)

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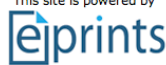
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The Semantic Web Revisited

Shadbolt, N., Berners-Lee, T. and Hall, W. (2006) The Semantic Web Revisited. *IEEE Intelligent Systems* 21(3) pp. 96-101.

Downloads

File type	File size
PDF - Requires Adobe Acrobat Reader or other PDF viewer.	128Kb

Abstract

The original Scientific American article on the Semantic Web appeared in 2001. It described the evolution of a Web that consisted largely of documents for humans to read to one that included data and information for computers to manipulate. The Semantic Web is a Web of actionable information--information derived from data through a semantic theory for interpreting the symbols.This simple idea, however, remains largely unrealized. Shopbots and auction bots abound on the Web, but these are essentially handcrafted for particular tasks; they have little ability to interact with heterogeneous data and information types. Because we haven't yet delivered large-scale, agent-based mediation, some commentators argue that the Semantic Web has failed to deliver. We argue that agents can only flourish when standards are well established and that the Web standards for expressing shared meaning have progressed steadily over the past five years. Furthermore, we see the use of ontologies in the e-science community presaging ultimate success for the Semantic Web--just as the use of HTTP within the CERN particle physics community led to the revolutionary success of the original Web. This article is part of a special issue on the Future of AI.

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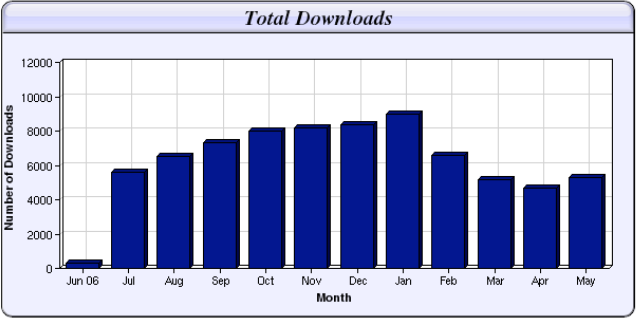
- Nigel Shadbolt
- Tim Berners-Lee
- Wendy Hall

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(bar chart: Number of Downloads vs Month — Jun 06 through May)

Example: previous year's downloads for this eprint. **Shows an overall picture of the eprint's popularity.**

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