

SciColab.com – Web 2.0 Scientific Collaboration

@ScienceHouse NYC Feb 5, 2010

Russell Hanson

russellhanson at g-mail c-om

617 500 3349

The 3 components to a “Colab”

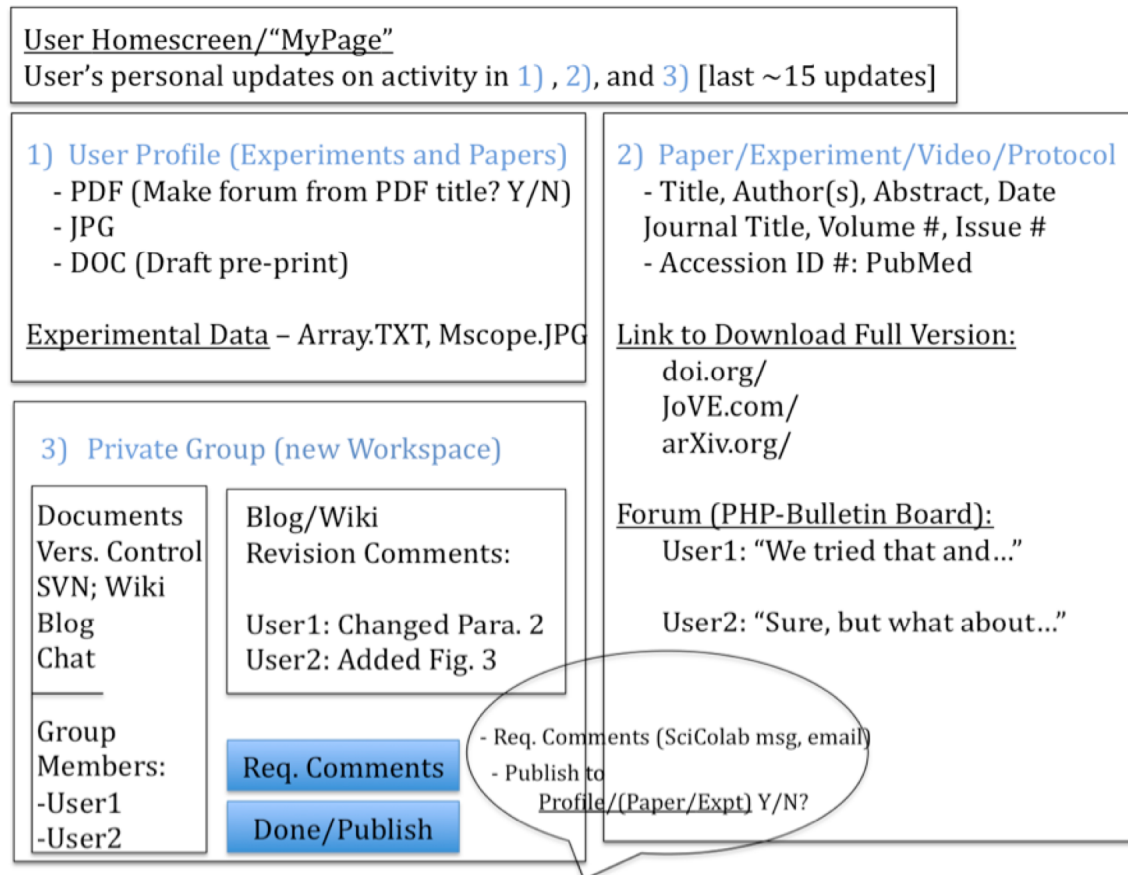
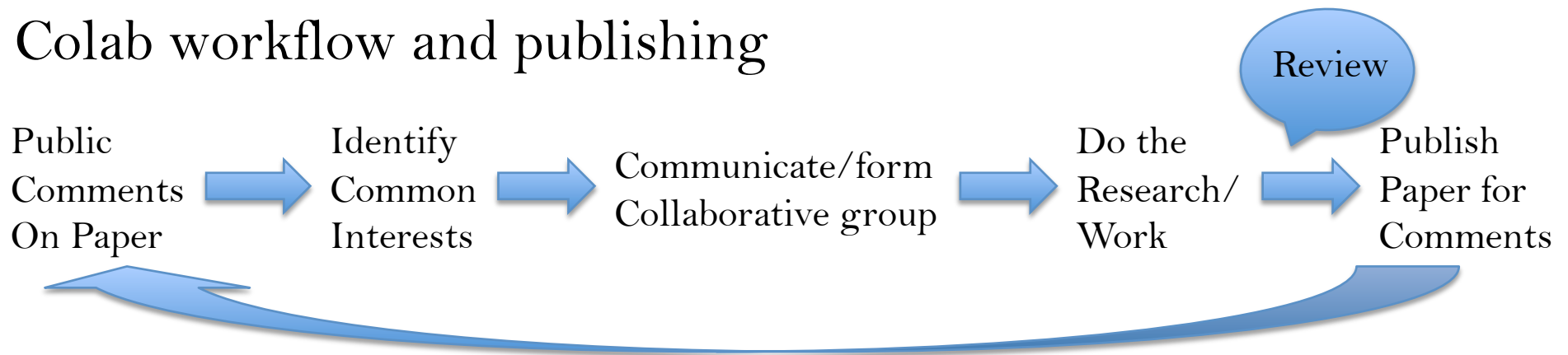


Figure 1. SciColab.com high-level overview of the three views, 1) User Profile 2) Paper/Experiment Forums and 3) Private Group/Workspace.

Colab workflow and publishing



- Open-access initiatives from universities and scholars
- Authors would like to make a comment publicly about a published paper without writing a letter to the editor or writing an entire paper in response. A few sentences/paragraphs on the web.
- Arxiv.org is treated as an “archive” of research work by many scientists. Authors do not want general comments on Arxiv.org.
- Twitter – “tweet up” new articles via simple API’s Topsy, Tweetmeme, etc. measure of readership, voting. Continuous linear scale, not 5-star scale.

SciCoLab

Manage research projects and collaborators

- Groups have 4 levels of access permissions:
1) Public 2) Private 3) Open 4) Invisible
- Groups can maintain any types of content from workflows and co-author data to microscope images and manuscript text
- Manage existing *physical* Lab/PI groups and create new ones

Market Size, Market Penetration & Profitability

$$259,160 * .10 * \$10/\text{mo.} * 12\text{mos} = \$3\ 109\ 920/\text{yr.}$$

The image shows a screenshot of the Facebook targeting interface. The main window displays the following settings:

- Location:** United States
- Age:** 18 and older
- Sex:** Male and Female
- Keywords:** Science
- Education:** All
- Workplaces:** (empty)
- Relationship:** Single, In a Relationship, Engaged, Married
- Interested in:** Men, Women
- Languages:** (empty)
- Connections:** Target users who are connected to: (empty)
- Friends of connections:** Target users whose friends are connected to: (empty)

Estimate: 531,100 people

- who live in the United States
- age 18 and older
- who like science

Below the main window, a smaller version of the same interface is visible, showing a different target audience estimate of 259,160 people:

- Estimate:** 259,160 people
- who live in the United States
- age 18 and older
- who like science
- who graduated from college

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Some background

- Science Citations & pre-print services
 - Arxiv.org
 - PubMed
 - ISI Web of Knowledge/Science Thomson
 - Science Citations
- Web 2.0/Enterprise 2.0
 - Jive Clearspace (Twitter-Facebook-MySpace)
 - 37 Signals' Basecamp – “Basecamp for scientists”

Quantum Physics

Quantum classification

Sébastien Gambis

(Submitted on 2 Sep 2008 (v1), last revised 2 Sep 2008 (this version, v2))

Quantum classification is defined as the task of predicting the associated class of an unknown quantum state drawn from an ensemble of pure states given a finite number of copies of this state. By recasting the state discrimination problem within the framework of Machine Learning (ML), we can use the notion of learning reduction coming from classical ML to solve different variants of the classification task, such as the weighted binary and the multiclass versions.

Comments: Preliminary version, comments are welcome

Subjects: **Quantum Physics (quant-ph)**; Learning (cs.LG)Cite as: [arXiv:0809.0444v2](#) [quant-ph]

Submission history

From: Gambis Sébastien [\[view email\]](#)[\[v1\]](#) Tue, 2 Sep 2008 19:56:54 GMT (25kb)[\[v2\]](#) Tue, 2 Sep 2008 20:02:34 GMT (25kb)*Which authors of this paper are endorsers?*Link back to: arXiv, [form interface](#), [contact](#).

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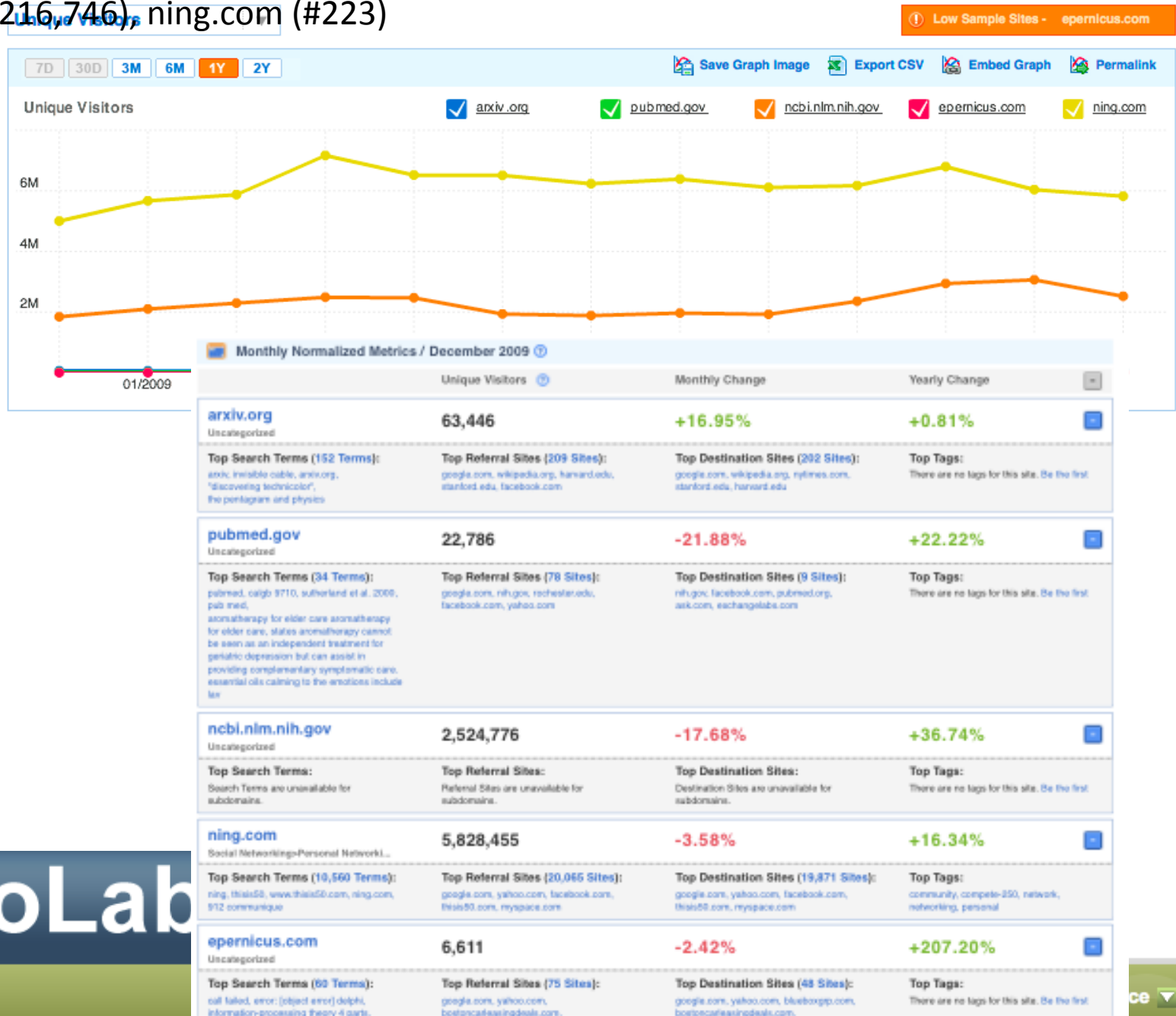
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







Site Comparison of arxiv.org (rank #30,300), pubmed.gov (#76,616), ncbi.nlm.nih.gov, epernicus.com (#216,746), ning.com (#223)



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


















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Thomas of Aquinas 1224 – 1274

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