e-Learning in the Biosciences: Where are we now?

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Web 2.0 ?



Web 2.0:

"A perceived second-generation of Web-based services such as social networking sites, wikis, communication tools, and folksonomies that emphasize online collaboration and sharing among users"

Web 2.0 sites

Blogging / Podcasting at:

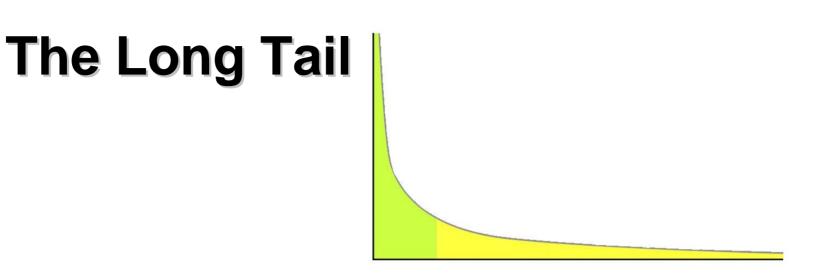
- microbiologybytes.wordpress.com
- <u>scienceoftheinvisible.blogspot.com</u>
- <u>frogroom-podcast.blogspot.com</u>







The video



 Low-frequency or low-amplitude population which comprises the majority.

Chris Anderson, Wired, Oct. 2004

en.wikipedia.org/wiki/Long_tail



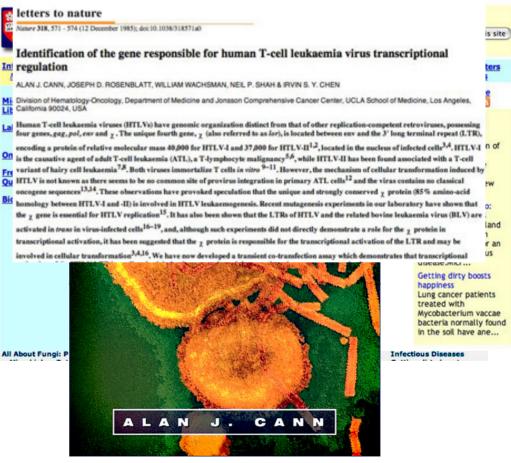
Online writing styles: My writing career

Academic papers (formal)

Books (conversational)

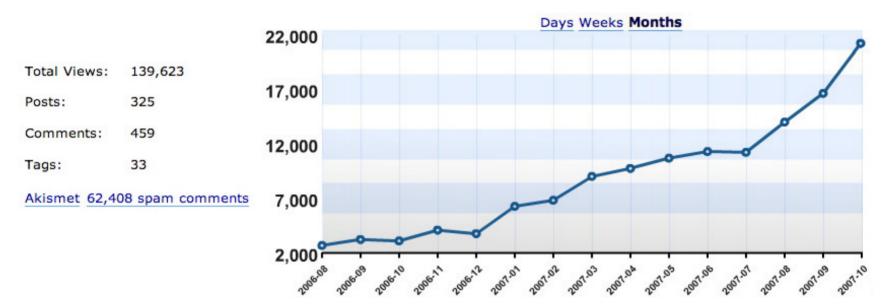
Web Pages (design)

Blogs (bite size)





A Blogger's Voice

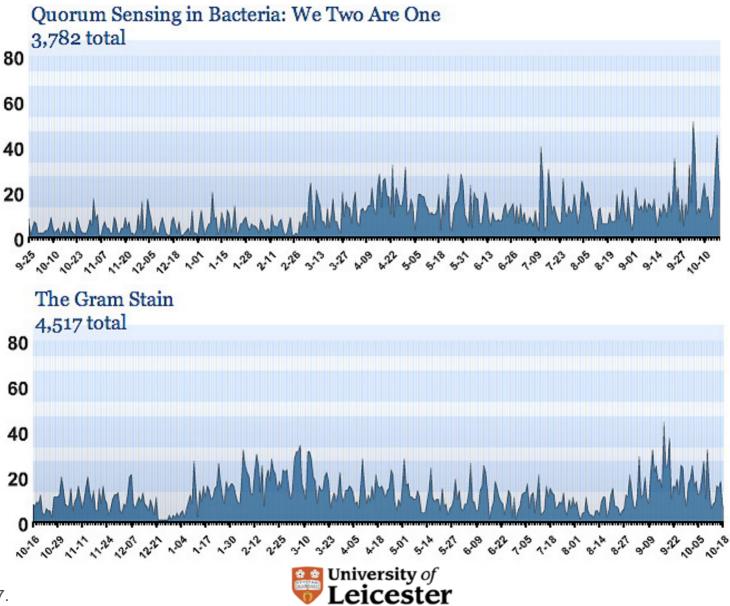


Syndication:

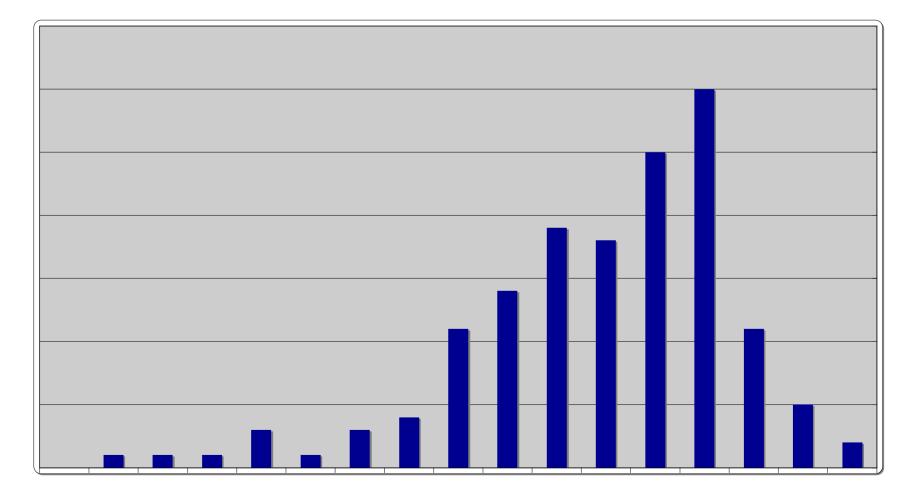


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Reusable Learning Objects

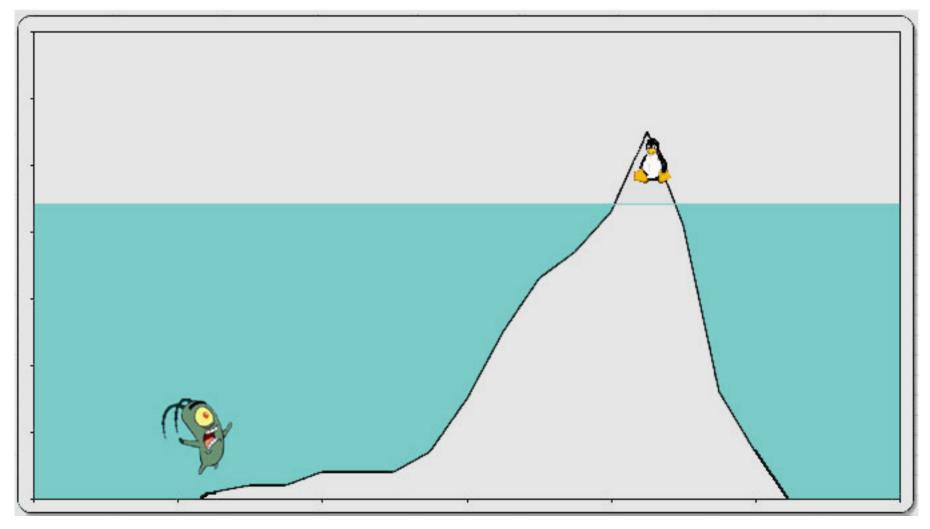


The Long Tail



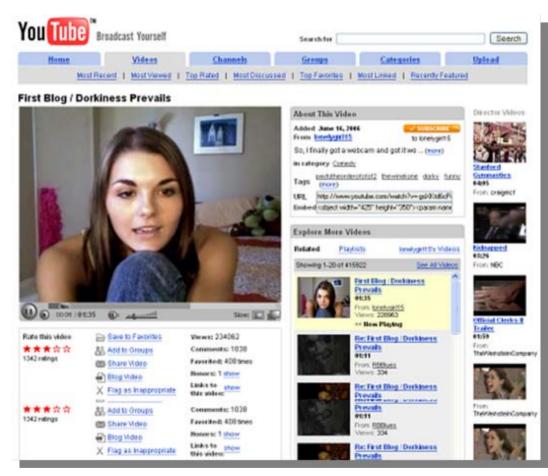


Let me put it another way...





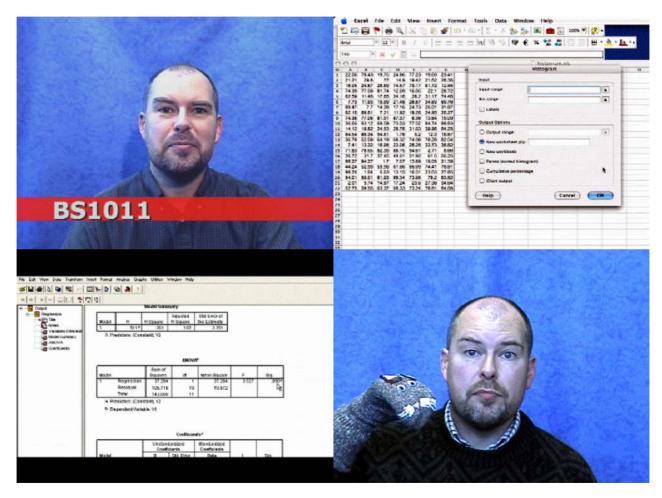
Ionelygirl15



en.wikipedia.org/wiki/Lonelygirl15



Viral Video Statistics is fun!!! (really)





VLE

A software system designed to help teachers by facilitating the tional management students, courses f **ìÀ** helping espe and learners with teache course administration. (<u>source</u>)

Systems that help learners take control of and manage their own learning. İS includes provid port for learners ir own learning anage their. manage both conte d process, and communicate with others in the process of learning.



PLE



(OpenID, Shibboleth, OpenSocial ?)

VLE

Convenience (wrapper)

Support

Reliability (?)

Student progress



Current tools (video conferencing, social networks, collaborative writing, etc) **Better tools** Personalization (choice: staff and students) Cost Avoids software sedimentation small pieces loosely joined **Disintermediation -**

cutting out the middleman





VLE

PLE

Inflexible

Walled Garden

Closed

Control

Excludes

Expensive

(how much does your institution spend on its VLE and what could you buy with that money?)

Flexibility:

- Tiny: limited to a project
- Elongated: lifelong
- Deep: mental models
- Infinite: reflective

Not a content management system

Engagement

Provides context and

Cost

meaning

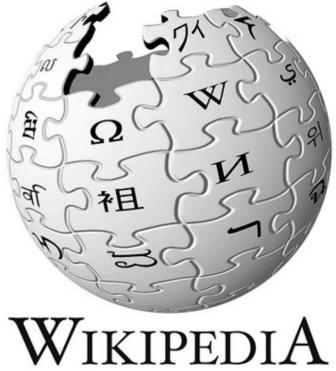


Where do students find information?



Google's share of all searches was 64% in March 2007, an increase of 10% versus March 2006 (<u>ref</u>)

<u>Case study</u>: The adventures of Miranda in the brave new world - learning in a Web 2.0 millennium





How do we manage the long tail?

We don't.

 By embracing a Web 2.0 approach to learning objects, we can allow academic staff to support learners on a much more individual basis through new communication channels.

microbiologybytes.com/AJC

