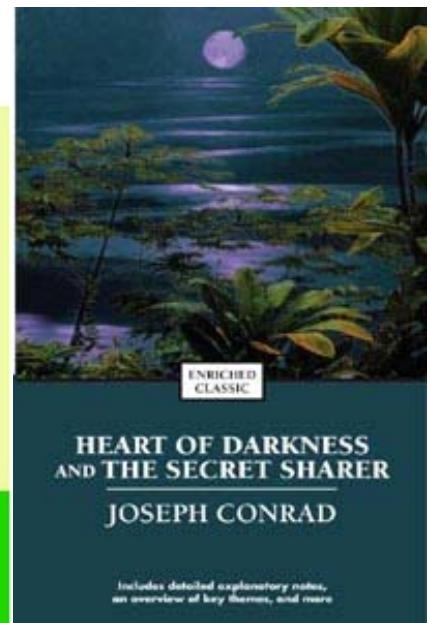
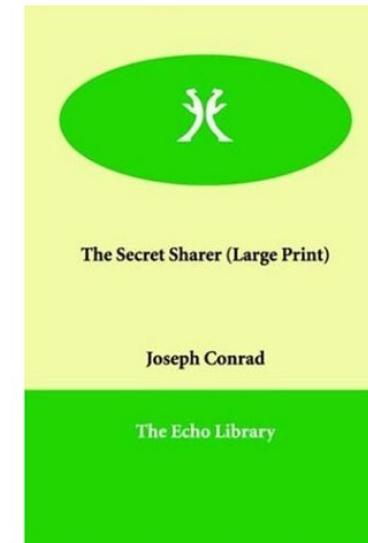
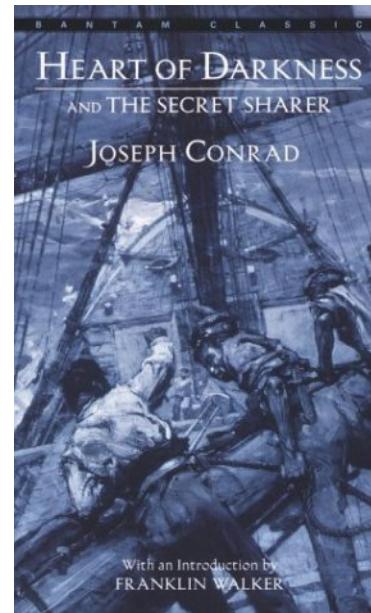
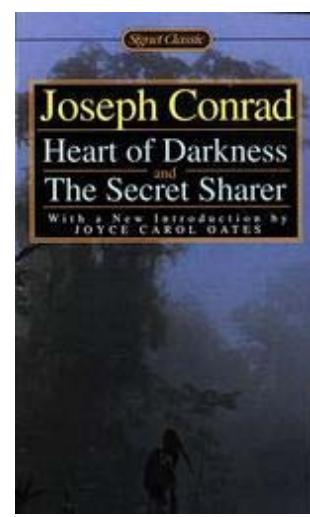
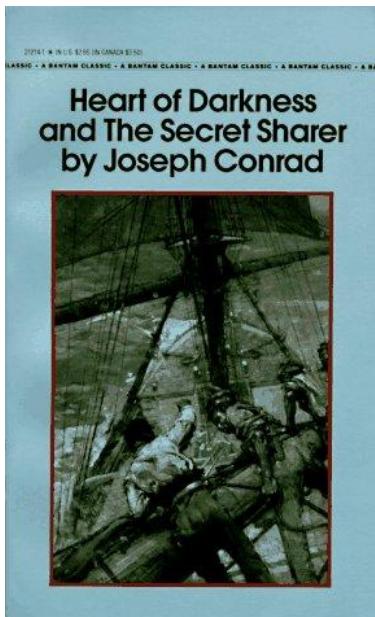


# Serial Sharers

Einat Amitay, Sivan Yogev, Elad Yomtov



- Holloway T., Bozicevic M., Börner K. (2005). Analyzing and Visualizing the Semantic Coverage of Wikipedia and Its Authors.

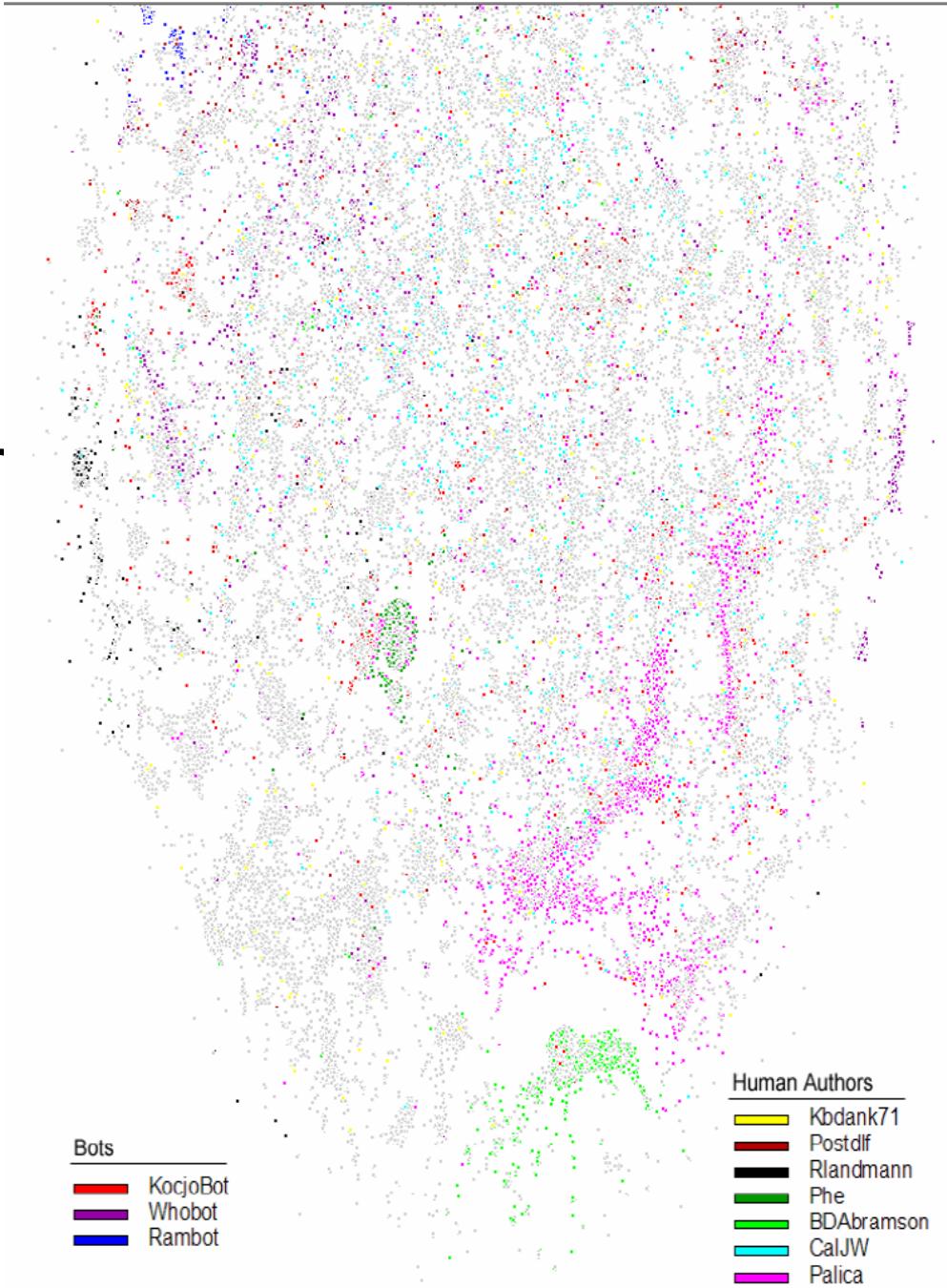
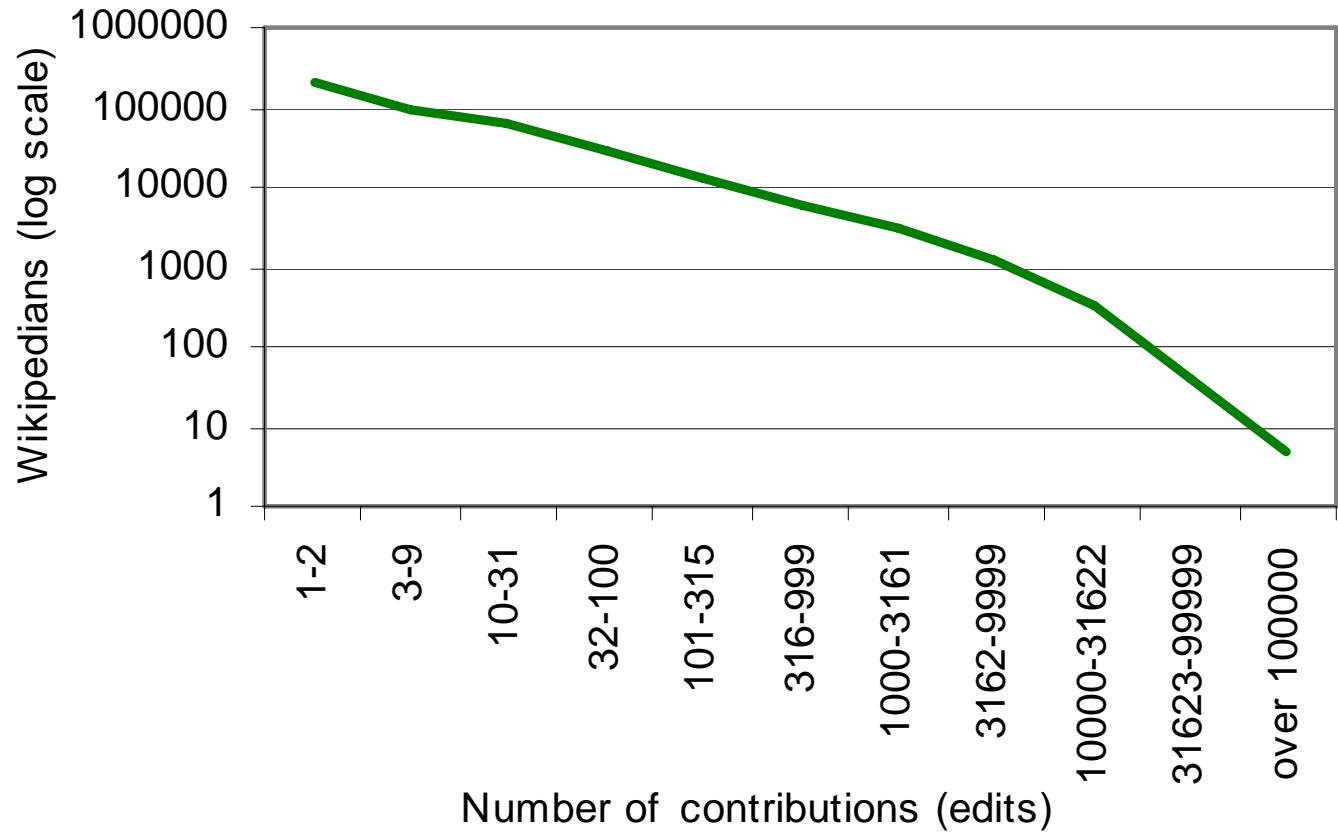
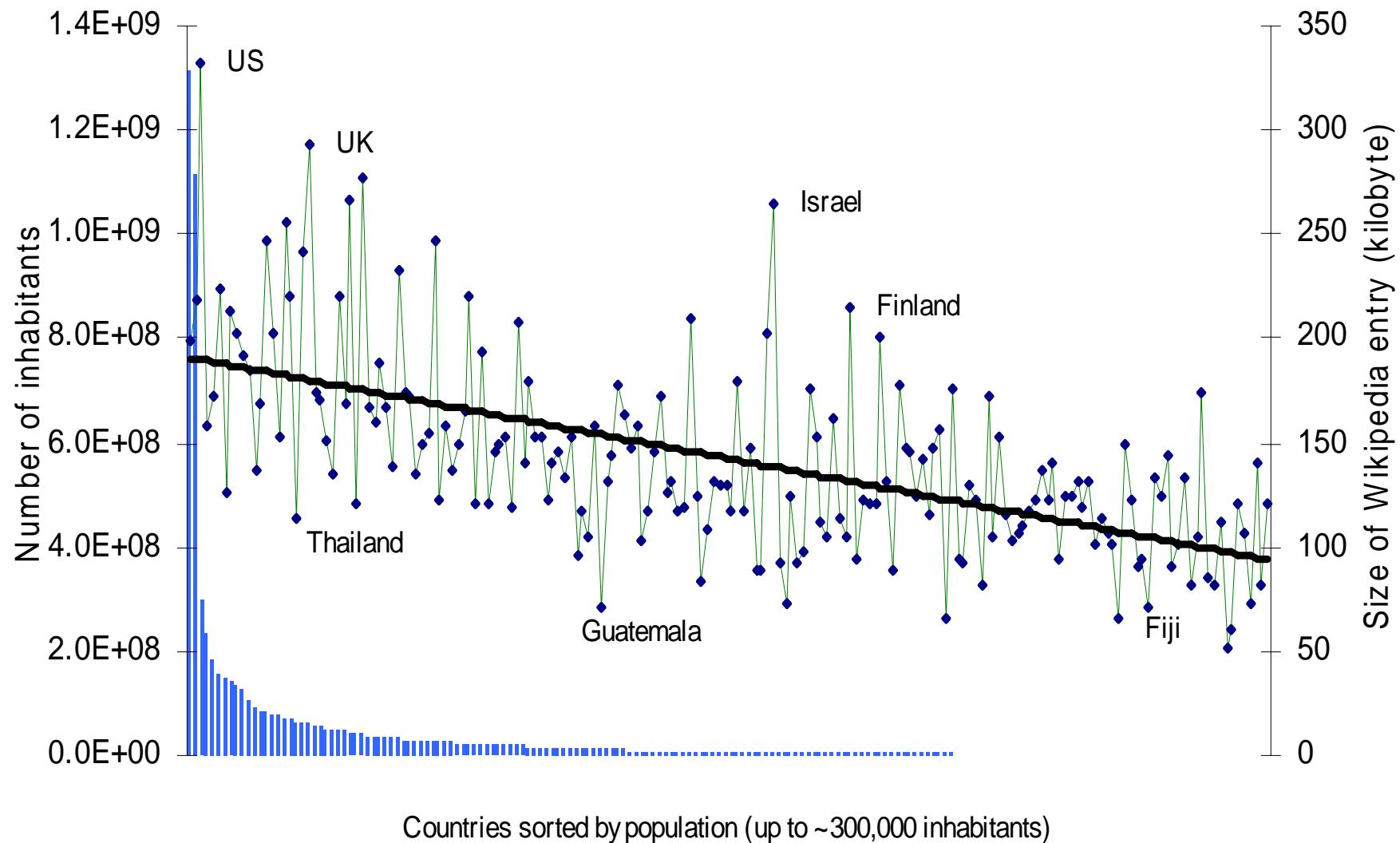


Figure 6: English Wikipedia category network colored by top ten most active authors.

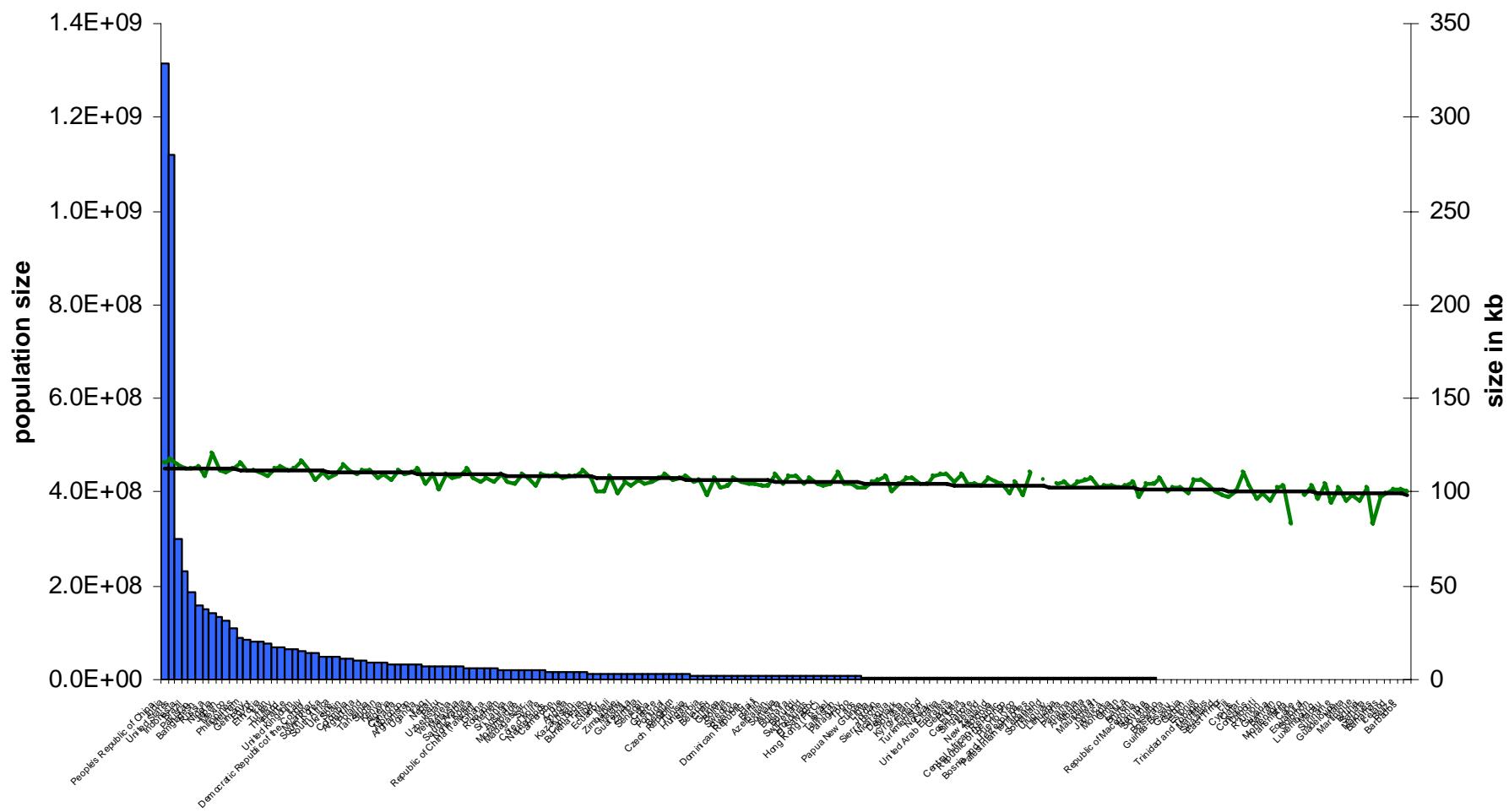
# A histogram of the number of contributions per single author to the English portion of Wikipedia



# A comparison of country population size and Wikipedia entry size in kilobytes



## CIA Factbook by population



% of Web users who have done this	Activity	Survey Date
35%	Posted content to the internet	December 2005
30%	Rated a product, service or person using an online rating system	September 2005
26%	Shared something online that they created themselves, such as own artwork, photos, stories or videos	December 2005
14%	Created or worked on own webpage	December 2005
13%	Created or worked on webpages or blogs for others, including friends, social groups, or for work	December 2005
11%	Used online social or professional networking sites like Friendster or LinkedIn	September 2005
8%	Created or worked on own online journal or blog	February-April 2006

- 61% of 13 to 17 year-olds in the US have a personal profile on sites such as MySpace, Friendster, or Xanga.
- 37% of them maintain a blog

- 37% of American bloggers had a personal website before they started blogging
- 43% of all bloggers maintain at least two blogs.

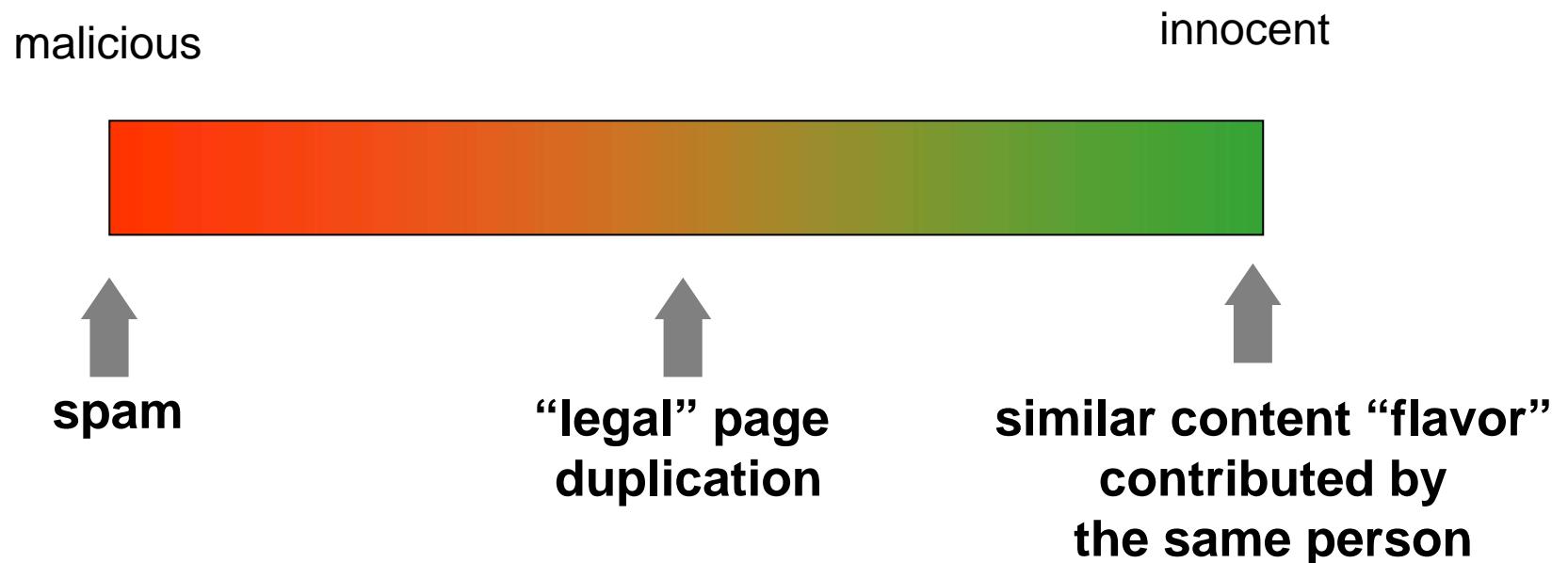
The collage includes:

- instinctaneous**: A critique of LinkedIn's user interface, pointing out unnecessary windows and a "different application-like environment".
- GUI Cookbook**: A collection of UI design examples and concepts.
- LinkedIn Profile**: David Gómez-Rosado's profile, showing his current role as Senior User Experience Program Manager at Microsoft.
- Friendster Profile**: David Gómez-Rosado's profile on Friendster, featuring a photo and links to his public profile and shelfari.
- Yahoo! TRAVEL TRIP PLANNER**: A screenshot of the trip planner interface, showing trips like "Venezuela 2007" and "Asia".

The collage includes:

- FUNDACIÓN GLOBAL DEMOCRACIA Y DESARROLLO**: A header banner.
- Noticias FUNGLODE**: An article titled "En Funglode Seminario sobre identidad corporativa aplicada a las grandes compañías". It features a photo of David Gómez Rosado and text about the seminar's objectives and speaker.
- flickr**: David Gómez Rosado's public profile page, showing his photo and a grid of his photos.
- facebook**: David Gómez Rosado's public profile page on Facebook, showing his photo, friends list, and activity feed.

# Types of information duplication



# Applications of Serial Shares detection

## Profiling

- Personalization for creating site or **personal defaults** (e.g. layout, color choice, dictionaries, links, etc.)
- **Personalized advertising** based on cross-page content and/or readership
- **Expertise location** based on link analysis, shared content, readership, etc.
- Generating use patterns of the “**typical**” **author** in a given site (e.g. a typical author of blogger maintains another blog on typad and has 10 tagged links on del.icio.us)

# Applications of Serial Shares detection

## Noise reduction

- Site collapse by author for search results
- “more from this author” button
- Contributing to “Net Neutrality”
- Treating same-author pages as single entity to reflect clickthrough, inlinks, indexing, summary, etc.

# Applications of Serial Shares detection

## Sizing Web sites

- Determining the true size of a site's user community (how large is MySpace?)
- Comparing the uniqueness of each site in terms of authorship (blogger vs. typad - which has more truly unique users?)

# claimID: Mindy McAdams

Viewing 6 links

## My Online Self ▾

As far as the online world is concerned, this is who I am.

### ★ [mindymcadams.com](#) - Verified

► About Me | By Me | Tagged with: personal bio biography contact links pages work

Officially, my home page.

### ★ [macloo.com](#) - Verified

► About my work | By Me | Tagged with: work journalism business online teaching education resources examples

My handle online, and my primary domain for professional topics, such as online journalism.

### ★ [Teaching Online Journalism](#) - Verified

► About my field | By Me | Tagged with: online journalism journalism blog resources reference tips professional practice

My blog about practices in the world of online media.  
Updated often!

### ★ [University of Florida faculty bio page](#)

► About Me | From my employer | Tagged with: bio biography personal work

Evidence of my employment and position. (I try to teach students how to verify that people are who they say they are.)

### ★ [My Flickr](#)

► Visual evidence | By Me | Tagged with: photos photographs photography travel

I get to travel a lot, and you can see some documentation of where I've been.

### ★ [My del.icio.us](#)

► What interests me | By Me | Tagged with: reference resources tutorials examples

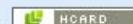
The links I have not blogged about, but I expect I might



Mindy McAdams

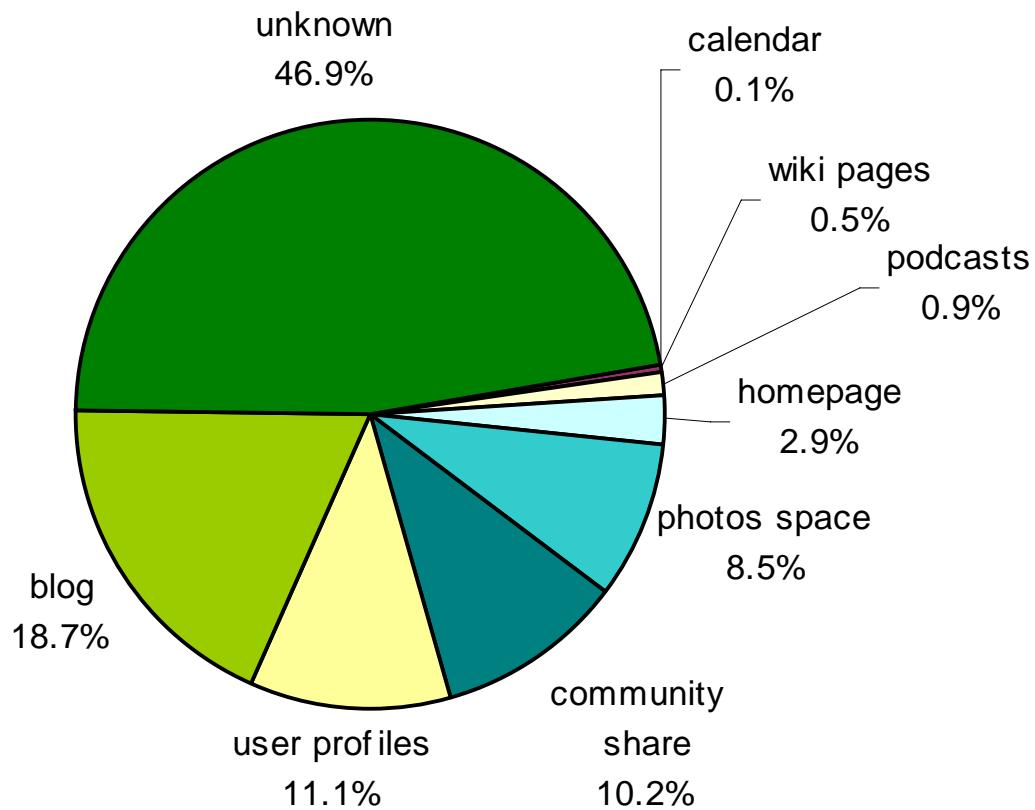
Florida. USA

In 1994 the Web took off, and soon all the world knew about the Internet. Journalism has been adapting, slowly but continuously, to the possibilities and demands of online, digital media. This is my field. This is where I work.



Mindy McAdams

9834 pages coming from 2201 different authors

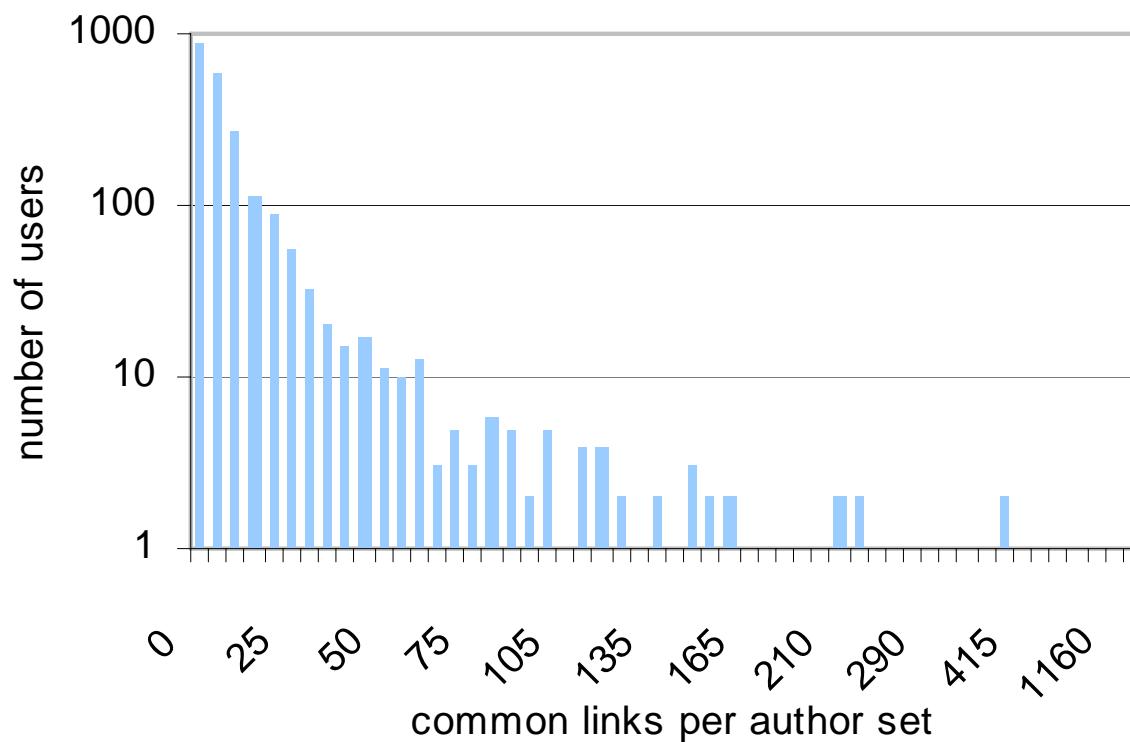


# Common Authorship Characteristics

- same username
- share themes
- shared content terms
- relative URL path
- linking patterns
- page layout
- color scheme
- image filenames
- coding style

60% of authors reproduced links more than once in two different pages

The most prolific author had 1283 links appearing repeatedly



- links are not awfully useful
- maintaining a comparison list for each term – not practical
- combining any of the features is a hard task.
- **authorship is an illusive thing!**

Cilibrasi R., Vitanyi P.M.B. (2005). Clustering by compression. *IEEE Transactions on Information Theory*, 51(4):1523-1545.

# Detection by Compression

$$2NCD(x, y) = \frac{[C(xy) - C(x)] \cdot [C(xy) - C(y)]}{C(x) \cdot C(y)}$$

2NCD measures separately how much the compression of **each** of the documents is improved by using the information included in the other document.

# Detection by Compression

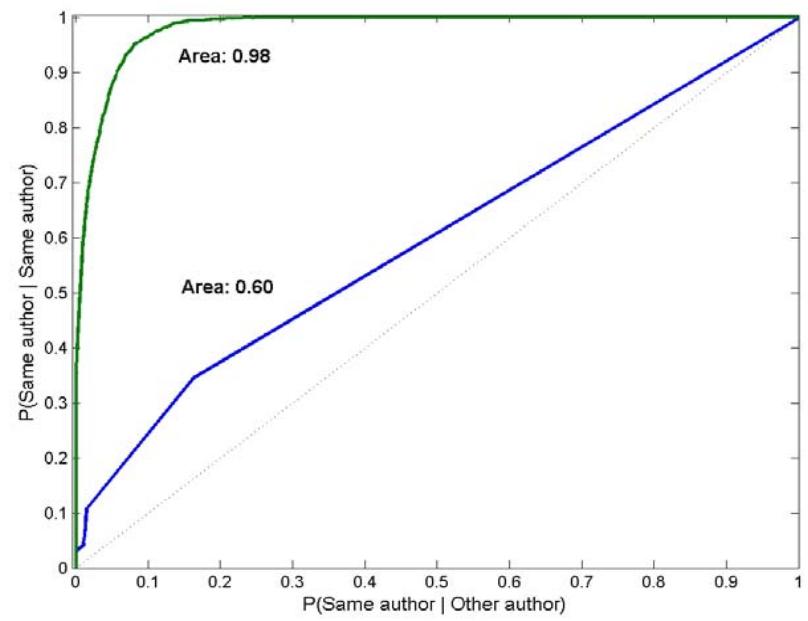
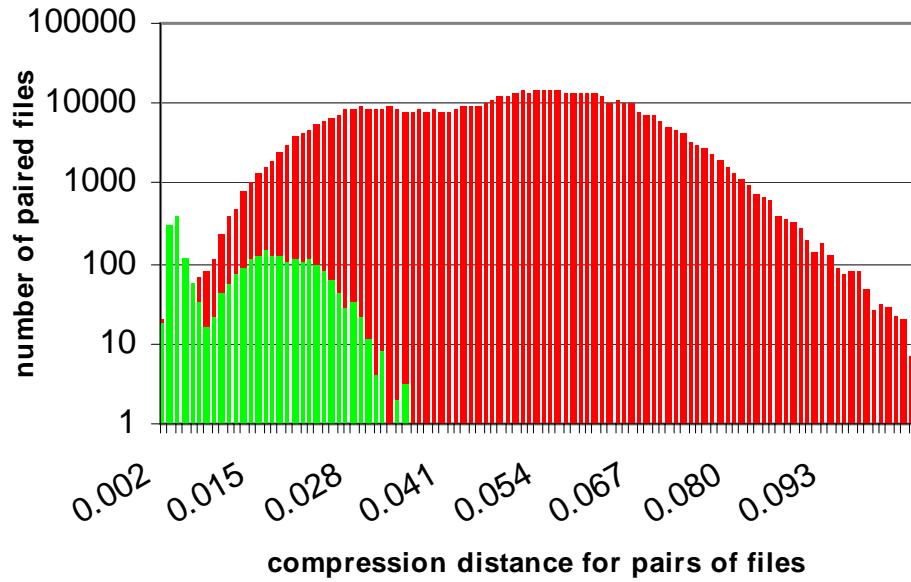
A 3  
B 4  
C 7  
X 11  
Z 9

A 5  
B 5  
C 7  
X 13  
Z 9

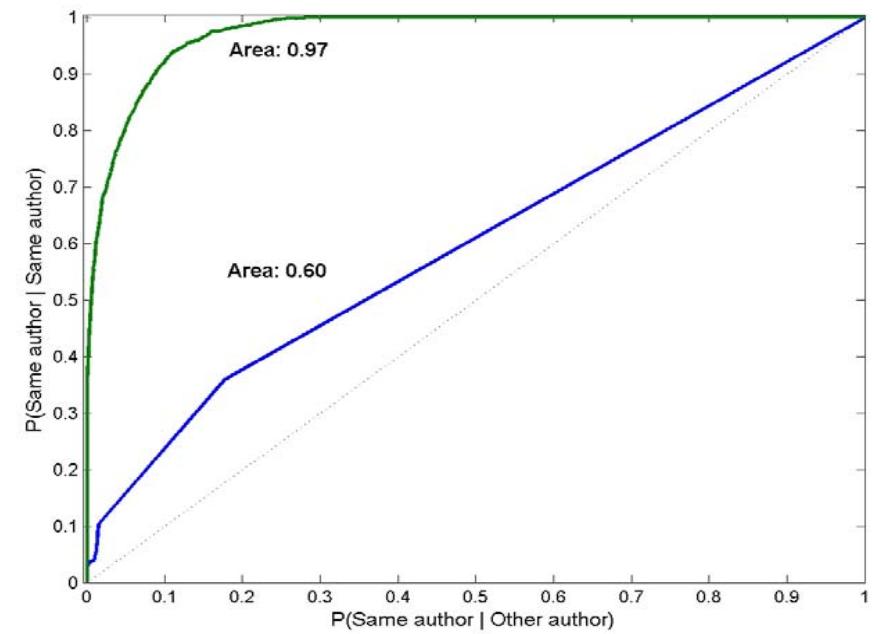
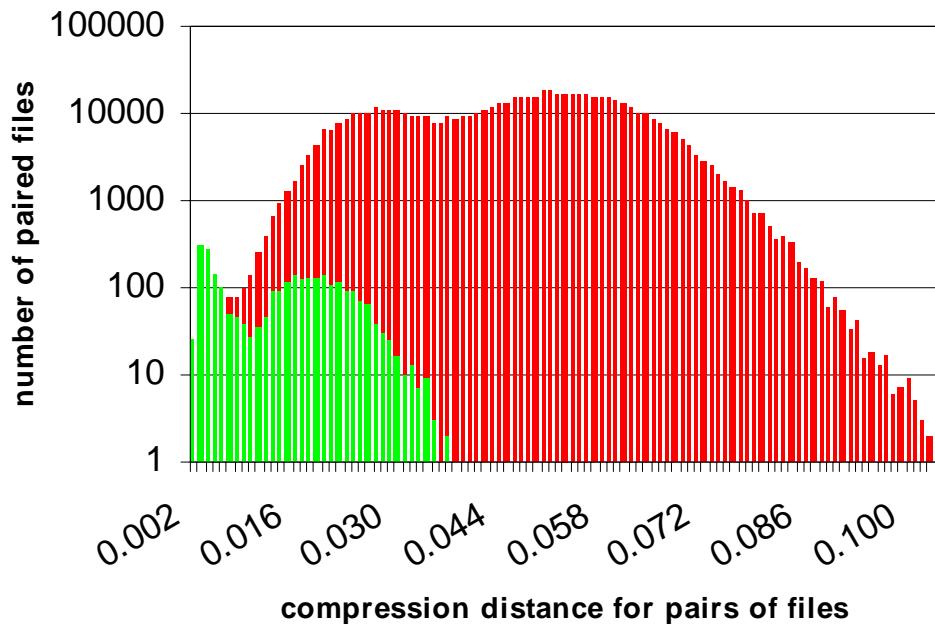
A 2  
B 1  
X 2

2NCD measures separately how much the compression of **each** of the documents is improved by using the information included in the other document.

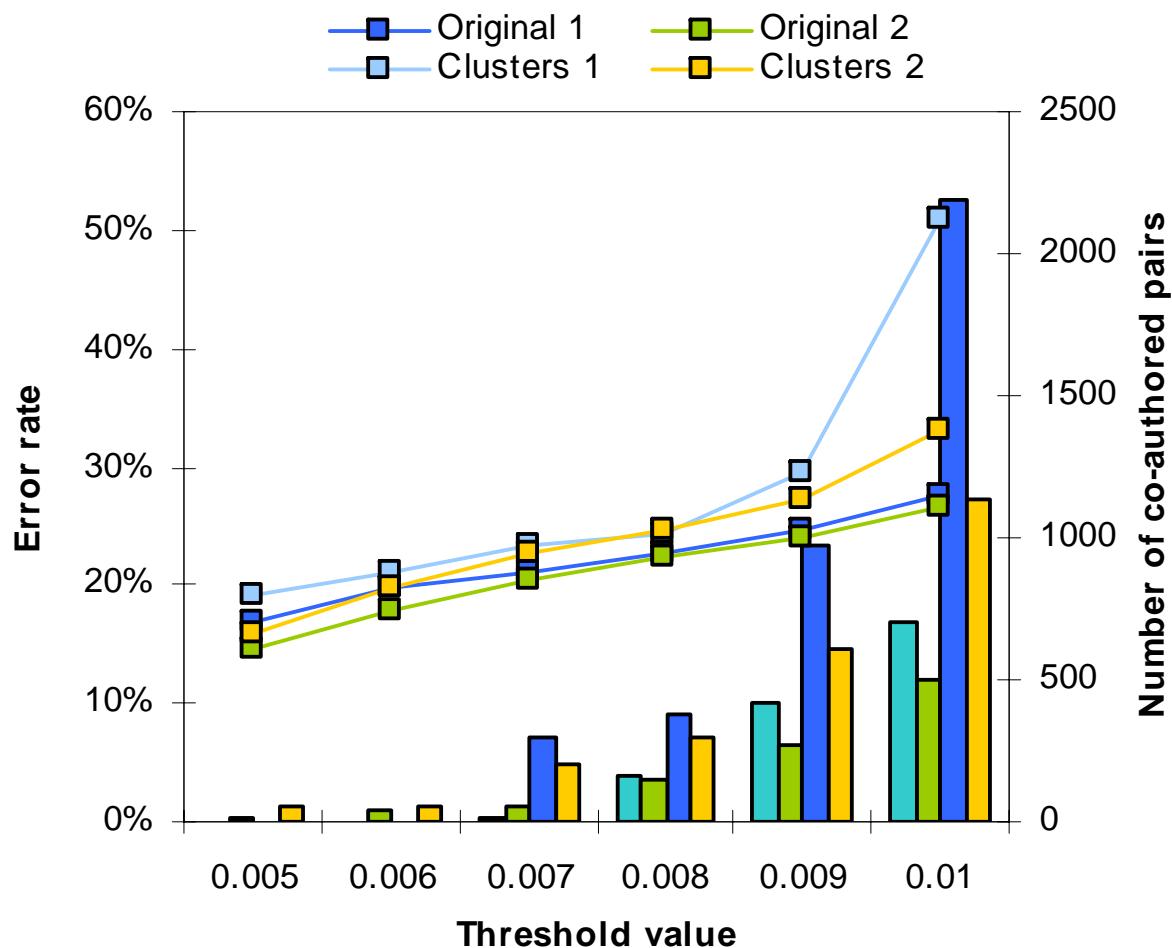
# Experiment 1



# Experiment 2



# Clustering



[SEARCH THIS BLOG](#) [Next Blog»](#)

## THINK UPON THESE THINGS

monday, october 09, 2006

### Monday Report...

Hullo everyone! Horse back riding lessons are going well, my dog isn't, and I have memorized two chapters of Philippians. My dog hurt his leg, if you are wondering what happened to him.

I want to tell you about this farm I went to on Saturday. Ineteresting place, it was! My parents wanted me to go with them to a meet farm in NY. They raise range fed animals: chickens, cows, pigs, and several others. It was a pretty drive up, but I felt a little sick because of all the twists and turns in the country hill roads. I am used to them, just not on a relatively empty stomach when the sun in glaring in my face at 9:30 on a Saturday morning!

We selected our chickens (that was why we were going there-- to buy more food) and then my mom wanted to show me their house. From the outside it appeared to be a science lab you would find somewhere in the Arctic. Wow, it was interesting. I walked in and instantly my glasses were steamy. A small stove was in the middle of the wall to my left. The floor was an interesting marble textured concrete, speckled green and cream. The whole place smelled of grease and bacon. Apparently there had just been a company breakfast, and the house still smelled like it. I stared at my surroundings. About 15 feet from where I stood was a stairway that lead to an entirely open second floor. The ceiling was still exposed insulation. A few sky lights provided most of the dim light.

The living room was right in front of the door way. A TV was at the foot of the stairs surrounded by videos and DVDs. A dog was

**ABOUT ME**

 **Ednella**  
US  
Greetings! My name is Ednella Sound-Out, but you can call be Nella. Please feel free to poke around my blogs, Think Upon These Things and Sound Out.

[View my complete profile](#)

**PREVIOUS POSTS**

[Monday Report...](#)  
[I thought this picture was so lovely that I just h...](#)  
[Paul's Prayers](#)  
[Announcement](#)  
[Crazy Days!](#)  
[Because He Cares](#)  
[Introduction to Philippians](#)  
[My Crazy-Weird Yesterday](#)  
[2 Corinthians](#)  
[Ever](#)

Unknown Zone (Mixed)

My Computer

*a, c, d, f* blogs;  
*b, e, h* profiles;  
*g* unknown

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>
<i>a</i>	0.0051	0.0048	0.0051	0.0065	0.0051	0.0028	0.0028	
<i>b</i>	0.0051		0.0033	0.0036	0.0041	0.0036	0.0036	
<i>c</i>	0.0048	0.0033		0.0038	0.0044	0.0038	0.0033	0.0033
<i>d</i>	0.0051	0.0036	0.0038		0.0041	0.0036	0.0036	0.0036
<i>e</i>	0.0065	0.0041	0.0044	0.0041		0.0041	0.0041	0.0041
<i>f</i>	0.0051	0.0036	0.0038	0.0036	0.0041		0.0036	0.0036
<i>g</i>	0.0028	0.0036	0.0033	0.0036	0.0041	0.0036		0.0036
<i>h</i>	0.0028	0.0036	0.0033	0.0036	0.0041	0.0036	0.0036	

*d*



*a*



*b*



*c*



*e*



*e*



*f*



*g*



*h*

**PIR2** BACK NEXT

INFORMATION

- About Me
- Projects
- About Site

CATEGORIES

- chaotic.terrain (1)
- Personal (2)
- Photography (2)
- Site (1)

ARCHIVES

- August 2006
- July 2006

LINKS

- MY LINKS
- photos
- bookmarks
- more...

FRIENDS

- vade // (blog)
- cityarts.com
- dan winckler (blog)

Two Views of Brooklyn

August 21st, 2006

My thesis project has been consuming all of my time these days. Part of that work includes photography, both shooting new and rummaging through old. Here are two very different perspectives of Brooklyn: both shot from the same location, while facing opposite directions. Click to enlarge.

From March, facing south:

From August, facing north:

category [Photography][chaotic.terrain] comments [0]

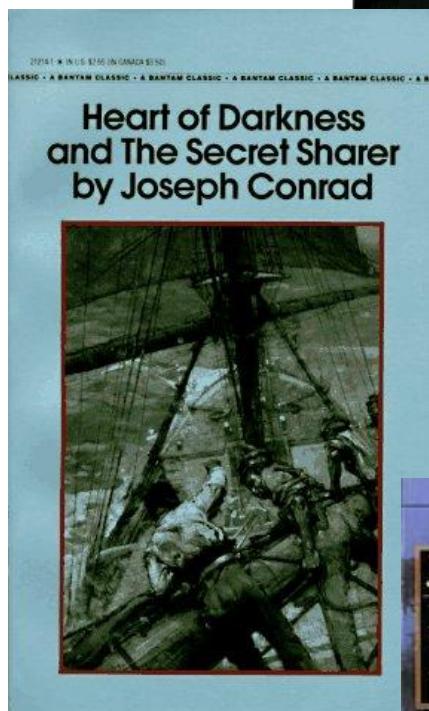
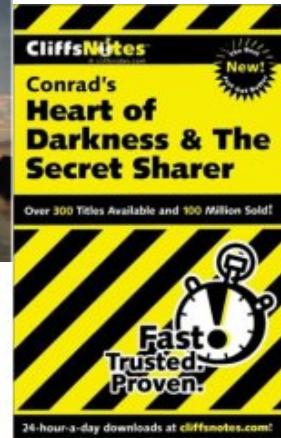
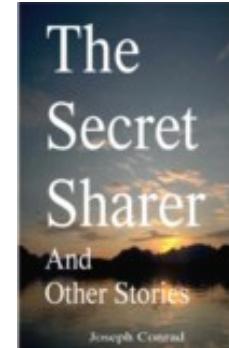
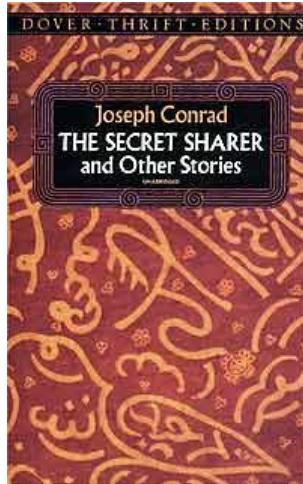
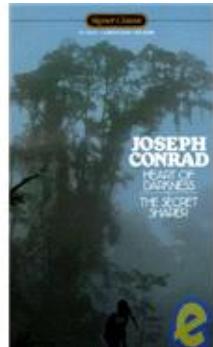
Done!

There's currently a bit of mess, as I got the silly idea in my head to support Internet Explorer 6.0. Oh bother...  
At this point, only the main page is readable, and I've given up on fighting IE for the night.

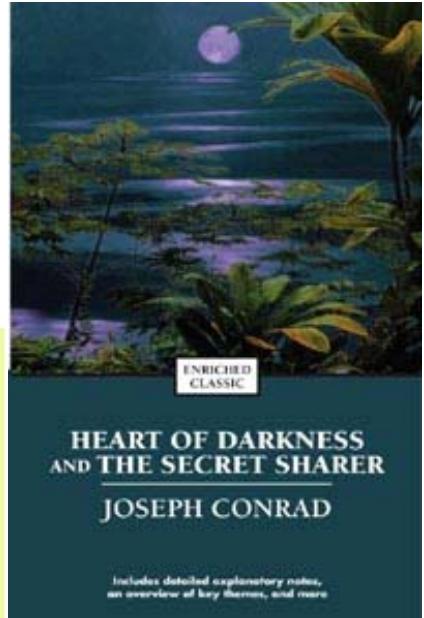
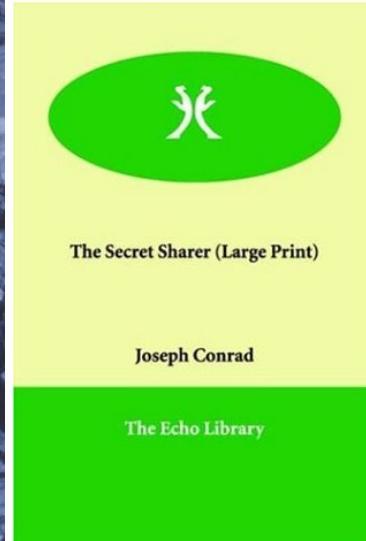
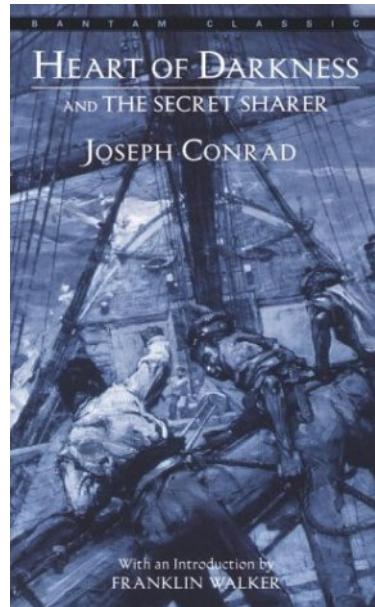
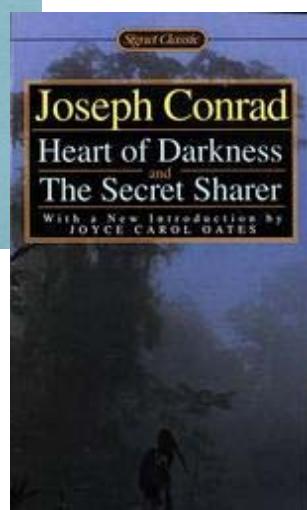
August 6th, 2006

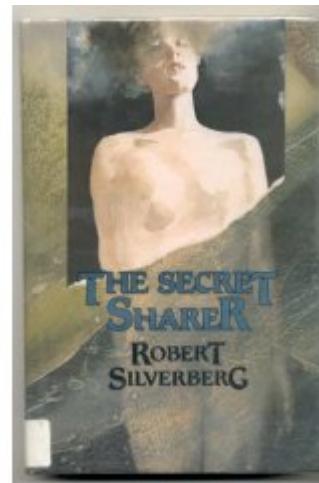
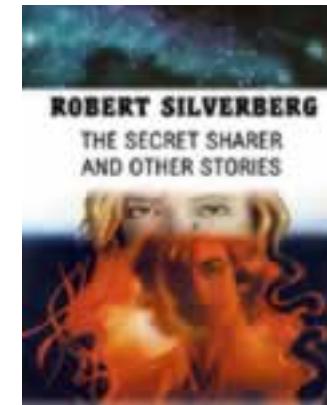
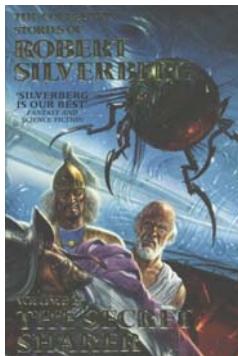
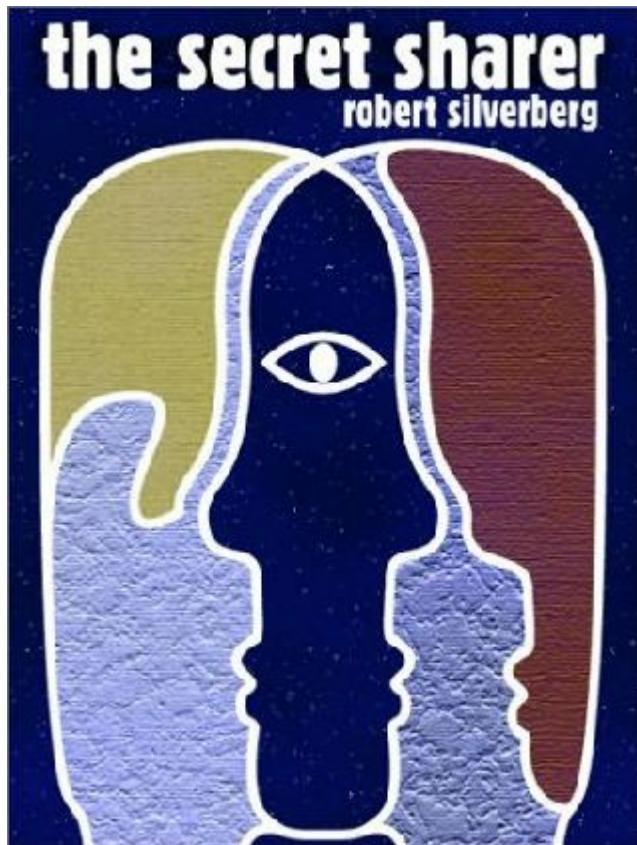
My Computer

falsely paired document with g (0.016), d (0.018), f (0.018), and h (0.018).  
**(pay attention to color choice and layout!)**



# remember this?





# The last slide

