

Pleasure and Competition in Collaborative Information Retrieval

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Collaborative IR: Opportunities

- Pleasure
 - Competition
- } Latent in many IR settings. But collaborative systems bring these to the fore.

Current work: use these dynamics to improve IR in two senses:

- **Better search results**
- **Better searchers**

Search Off! A Game with Many Purposes

<http://gojira.lis.illinois.edu/searchOff>

Please sign up and play.

N.B.

- 1) Sure to be many bugs... your mileage WILL vary.
- 2) Until official launch, games are likely to be deleted periodically.
- 3) While these data won't be published, your searches will be publicly viewable.



Search Off!

Find games to play (by keyword)

Search:

Search

- [Search Off home](#)
- [Find Games to Play](#)
- [Create a new game](#)
- [Player rankings](#)
- [View my games](#)

Games in Progress... top 5 of 5

Recently Created

- joseph cornell (8)
Oct. 9, 2011, 8:33 a.m.
- Graceland (3)
Oct. 6, 2011, 6:50 p.m.
- information retrieval evaluation (10)
Oct. 6, 2011, 4:57 p.m.
- java json (26)
Oct. 5, 2011, 2:20 p.m.
- cult leaders (84)
Oct. 5, 2011, 10:45 a.m.

Most Played

- cult leaders (84)
Oct. 5, 2011, 10:45 a.m.
- java json (26)
Oct. 5, 2011, 2:20 p.m.
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Oct. 6, 2011, 4:57 p.m.
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Help

Search Off is a game based on the idea that Web searching can be fun. Playing Search Off involves interacting creatively with a search engine (specifically Search Off uses the Bing search engine because the folks at Microsoft offer a very generous API)



Player rankings
View my games

Original query: cult leaders

Keywords: information about cult leaders. lists of famous ones or discussion of their personal qualities

Created at: Oct. 5, 2011, 10:45 a.m.

Target URL: <http://www.allaboutcults.org/religious-cult-leaders-faq.htm>

Target Title: **Religious Cult Leaders - Cults - AllAboutCults.org**

Total searches so far in this game: 84

Average score: 13.65

Max score: 53.16

Search:

[View high-scoring searches & pages for this game](#)

Results for: "cult leaders" members

Score: 4.80

Rank of target: 1 Number fresh: 3.0

1. [Religious Cult Leaders - Cults - AllAboutCults.org](#)
Religious Cult Leaders - Are there certain characteristics that make cult leader successful? What draws people to them and why do people stay active in a cult?
2. [Beyond Mind Control - Learn the Communication Methods of Cult Leaders](#)
This Amazing Course Shows You How To Model Their Techniques - And How To Make Them Your Own!
3. [Most Evil Cult Leaders 1/5 - YouTube](#)
What qualifies you to be a cult leader. what do you need to have. the gift of gab. charisma. Look at this and find out if you have these qualities.

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Keywords: information about cult leaders. lists of famous ones or discussion of their personal qualities

Created at: Oct. 5, 2011, 10:45 a.m.

Target URL: <http://www.allaboutcults.org/religious-cult-leaders-faq.htm>

Target Title: **Religious Cult Leaders - Cults - AllAboutCults.org**

play this game

So Far: 84 queries & 7066 unique documents.

- (53.16) "religious cult" leaders charismatic fillmore bab
- (50.49) cult leaders ballard
- (49.51) cult leaders fillmore
- (48.68) bab ballard fillmore smith religious cult leaders
- (46.81) cult leaders bab
- (45.40) Charles Fillmore (1854-1948) is credited with founding the Unity School of Christianity
- (35.94) Allaboutcults.org Religious Leaders
- (30.33) "cult leaders" AND religion AND faq
- (30.14) "religious cult leaders" faq
- (27.47) "Famous cult leaders"
- (26.90) allaboutcults religious cult leaders
- (26.45) "cult leaders" excommunicated
- (25.70) "cult leaders" religious faq
- (25.40) "cult leaders" worship claimed
- (1155.13) Religious Cult Leaders - Cults - AllAboutCults.org
- (688.03) Religious Cult Leaders - Top 10 - Internet's definitive top list ...
- (223.62) Violence Tolerance 04
- (198.89) Cult - Wikipedia, the free encyclopedia
- (181.30) RELIGIOUS GROUPS & CULTS - TRUTH ON THE NET
- (179.91) The Cult Test, Questions 0 - Orange Papers
- (177.99) Cults & False Teachings | Cults List - SO4J-TV | Christian TV ...
- (169.56) UNDERSTANDING CULTS
- (163.73) cult leaders
- (160.13) Ahmed Hulusi - Wikipedia, the free encyclopedia
- (152.51) Cults - All About GOD - GOD - AllAboutGOD.com
- (151.76) RELIGIOUS REQUIREMENTS
- (148.43) L.A.'s Five Most Powerful Cult Leaders
- (145.81) Cults - Bible Truths, Salvation, Creation, Angels, Jesus, God ...
- (144.85) Texas governor (Dick Dem) Prayer Event includes cult

Search Off! A Game with Many Purposes

- A game begins with a seed query.
 - Game play builds:
 - A ranked list of documents.
 - A ranked list of queries.
- } Visible to all users at any time
- Query scoring is key to Search Off's motivation and design

A Plausible Query Scoring Function

For A game G that has been played t times so far, yielding a set of S "seen" documents.

A new query Q returns a SERP R with a total of N documents.

R ranks the target at position p .

$$\varphi(Q, G) = t \cdot \frac{N - p}{N} \cdot \frac{|R \notin S|}{N}$$

Crucial Research Questions (Help, Please!)

- Is it plausible that this would be fun enough for critical buy-in?
- What *is* critical buy in?
- Are the proposed benefits plausible/non-trivial?
 - Improved search results (for what kind of needs?)
 - More skillful searchers
- Scoring function:
 - Transparency vs. ease of cheating
 - What kinds of cheating are actually undesirable?
 - Does the scoring function need additional criteria?
- How to evaluate a system like Search Off?