Whiskey, Weed, and Wukan on the World Wide Web: On Measuring Censors' Resources and Motivations

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Internet censorship measurement studies...



vs.



Why do we do Internet censorship measurement studies?

Case studies

Albuquerque, New Mexico

Chat programs (SinaUC and TOM-Skype)

Microblogging (Weibo)

Albuquerque, New Mexico

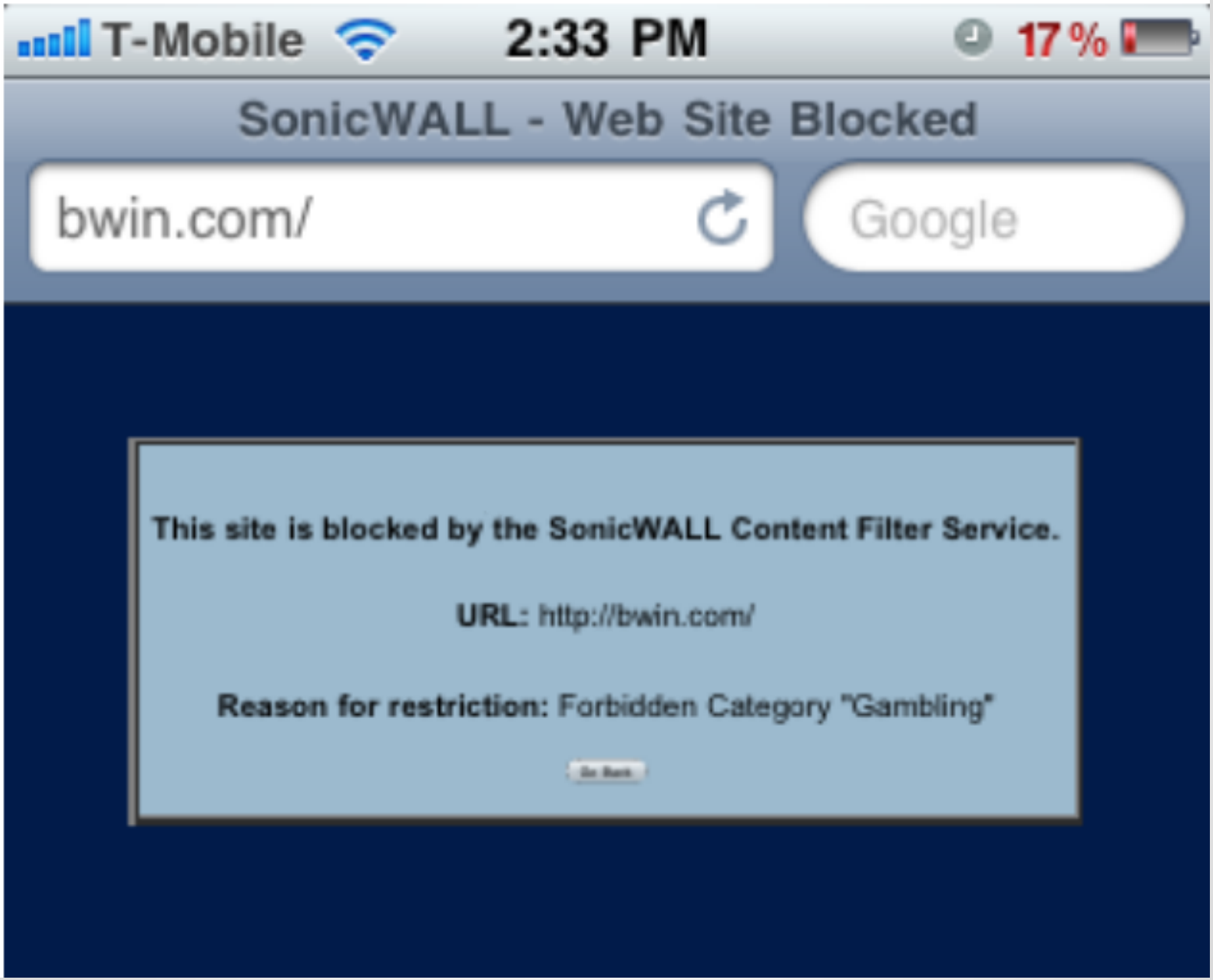
No filtering detected: DSL, Lobo-Guest, Lobo-WiFi, Lobo-Sec, Albuquerque Police Dept., Albuquerque Convention Center, Albuquerque Town Hall, Hookah Star, Papa John's, Brickyard, McDonald's, Starbucks, Bank of America

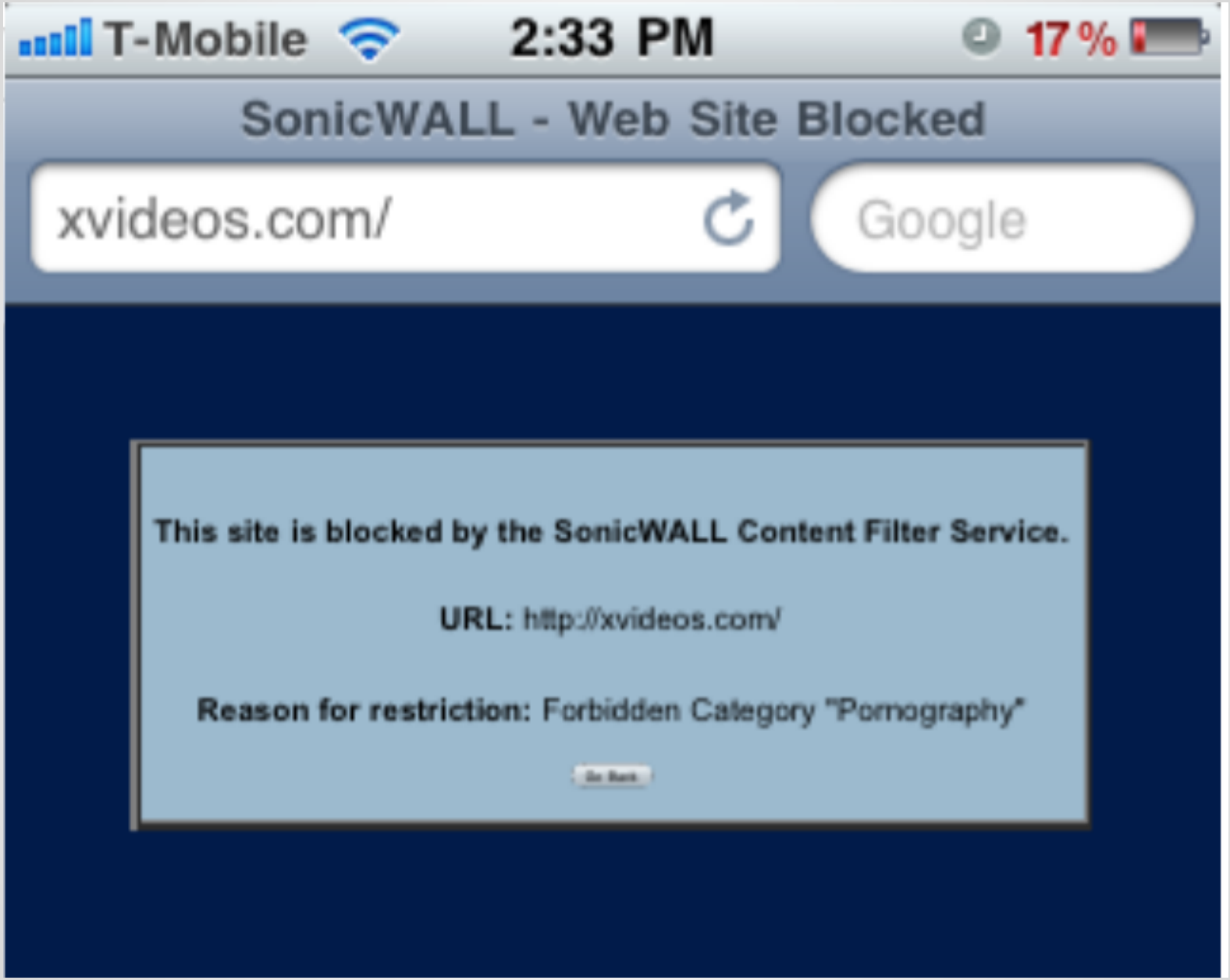
Filtering of pornography detected: Albuquerque Public Library, Sun International Airport

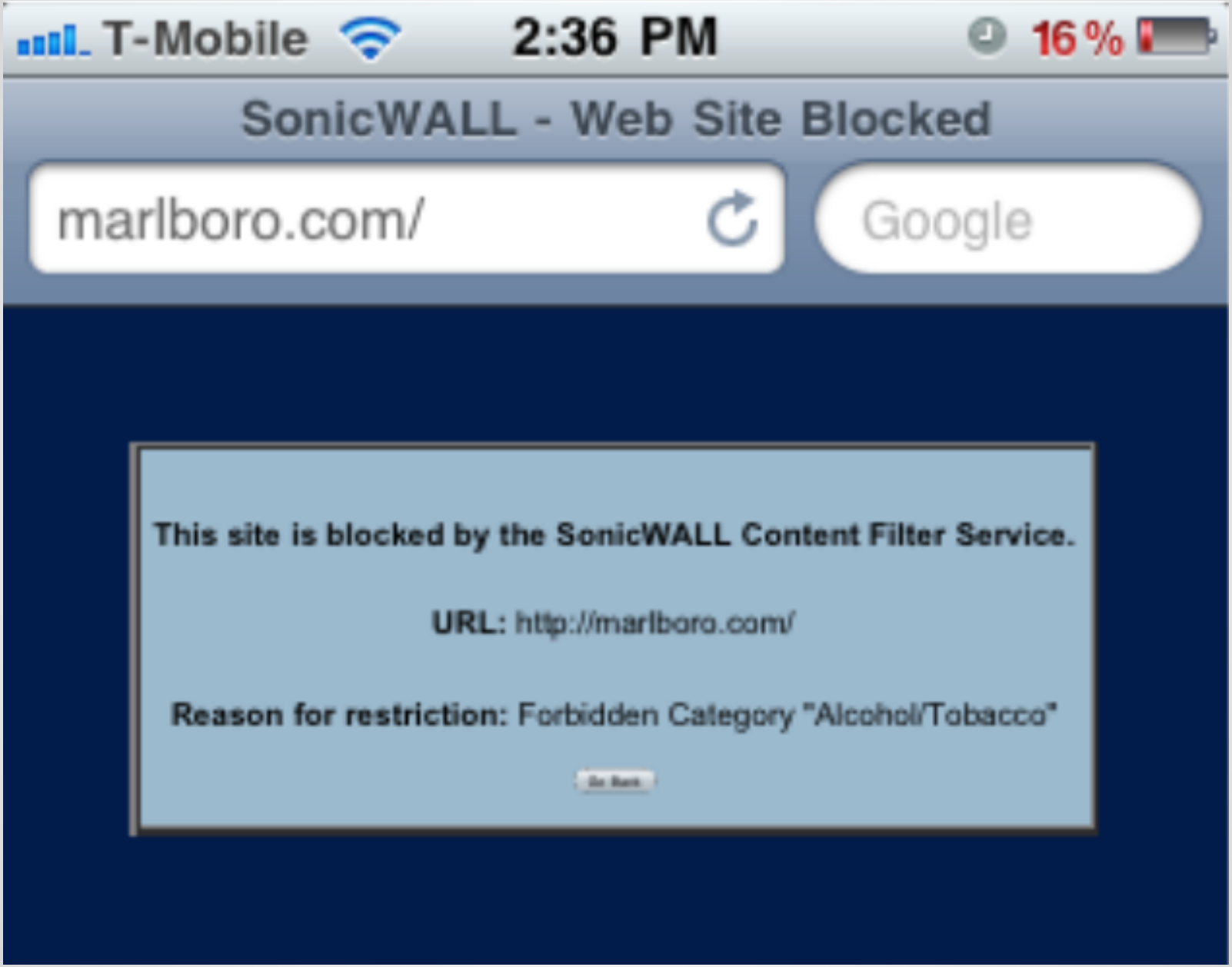
Filtering of peer-to-peer websites: Satellite Coffee


AMERICAN PLATTERS
KIDDIE BREAKFAST
KIDDIE LUNCH


WENDY'S
OLD FASHIONED
HAMBURGERS
FREE WIFI
AS IN BEER, NOT FREEDOM
DONT GOOGLE BEER HERE
http://www.says-it.com/fastfood/


T-Mobile
2:33 PM
17%
SonicWALL - Web Site Blocked
bwin.com/
Google
This site is blocked by the SonicWALL Content Filter Service.
URL: http://bwin.com/
Reason for restriction: Forbidden Category "Gambling"


T-Mobile
2:33 PM
17%
SonicWALL - Web Site Blocked
xvideos.com/
Google
This site is blocked by the SonicWALL Content Filter Service.
URL: http://xvideos.com/
Reason for restriction: Forbidden Category "Pornography"


T-Mobile
2:36 PM
16%
SonicWALL - Web Site Blocked
marlboro.com/
Google
This site is blocked by the SonicWALL Content Filter Service.
URL: http://marlboro.com/
Reason for restriction: Forbidden Category "Alcohol/Tobacco"

What does censorship that's more advanced than this look like?

Chat programs

Censorship built into the client

TOM-Skype since March 2011
SinaUC since August 2011

Some interesting stuff...

春熙路麦当劳门前 - McDonald's in front of Chunxi road
哈尔滨电影院门口 - Harbin cinema entrance
二七路百货大楼 - 27th street department store
乱其阵脚 - Confuse its footing
薄熙来 - Bo Xilai
占领长安街 - Occupy Chang An Street
占领温州 - Occupy Wenzhou
占领上海 - Occupy Shangha
占领山东临沂 - Occupy Shangdong
荣守京 - Rong Shoujing


HELL

Some interesting stuff... but...

6 April 2012

- 1130 keywords on TOM-Skype blacklist
- 1490 on SinaUC blacklist
- Intersection: 21 keywords

flg, fuck, 一党专政，八九民运，六四，共匪，刘晓波，吾尔开希，大纪元，小姐上门，情色六月天，操你妈，方励之，河殇，法轮，美女激情视频，胡紧掏，视频裸聊，赵紫阳，零八宪章，黄菊

21 not-so-interesting keywords...

flg, fuck, 一党专政，八九民运，六四，共匪，刘晓波，吾尔开希，大纪元，小姐上门，情色六月天，操你妈，方励之，河殇，法轮，美女激情视频，胡紧掏，视频裸聊，赵紫阳，零八宪章，黄菊

Falun Gong, 操, one-party dictatorship, 89 pro-democracy movement, June 4th, communist bandit, Liu Xiaobo, Orkesh Dolet, Epoch times, escort, erotic June day, fuck your mother, Fang Lizhi, River Elegy, the eternal wheel, beautiful woman passion video, Hu Jintao, nude video chat, Zhao Ziyang, Charter 08, Huang Ju

The Anaconda in the Chandelier: Chinese Censorship Today.

Perry Link. The New York Review of Books. April, 2002.

新浪微博 beta 首页 广场 微吧 应用 游戏 搜索微博、找人

全部 相互关注 悄悄关注 特别关注 名人明星 同事 更多

happy柯杰：FOCI的人都是疯子。

10秒前 来自新浪微博 转发 | 收藏 | 评论

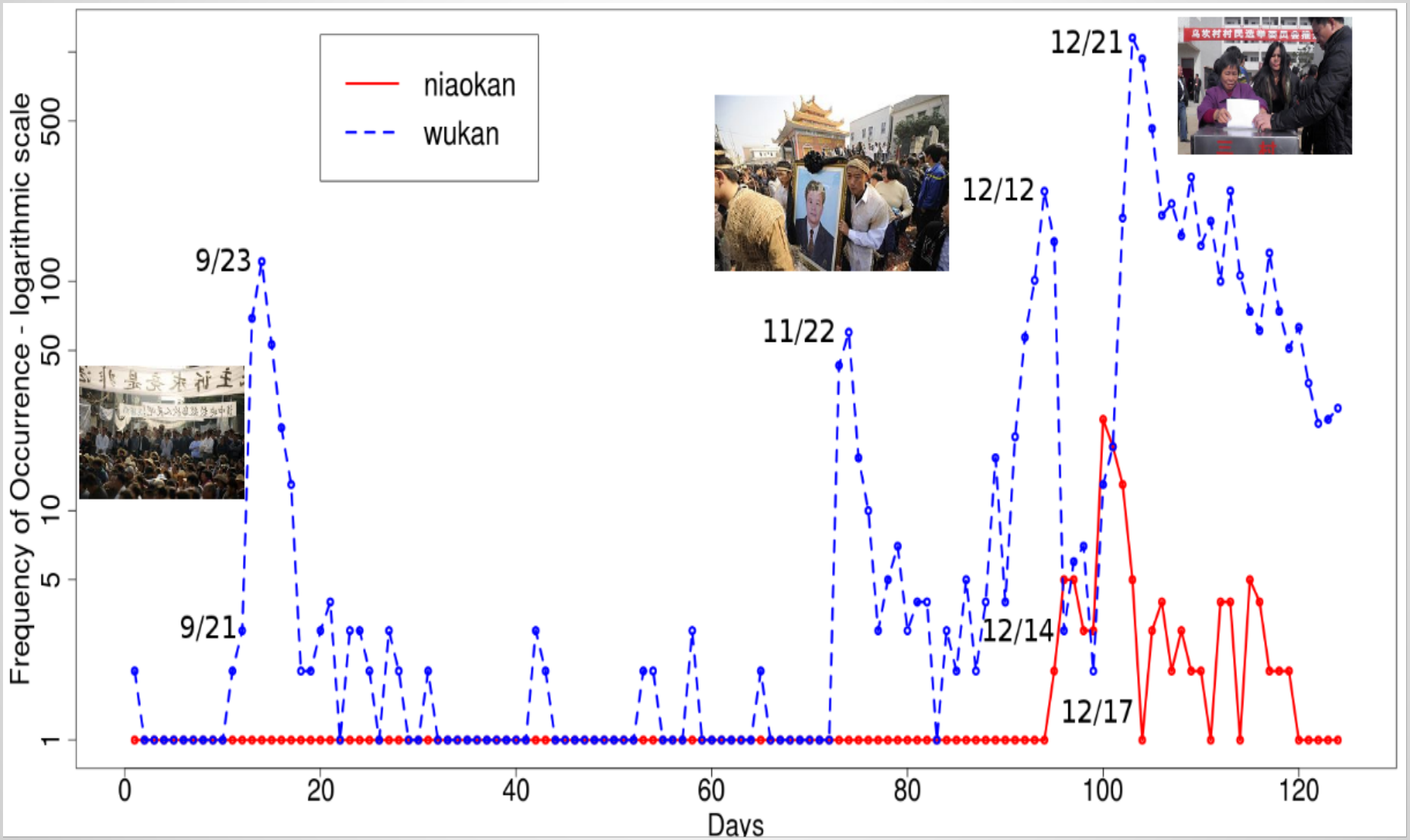


牛尔：。。。。。。跟胶原蛋白日饮配合效果更佳，业界最高浓度！

@牛尔亲研娜露可：#10天打造睡美人计划#众所周知，夜间是肌肤修护的最佳时机！娜露可胶原蛋白12000果味饮料，专门针对晚上睡眠的黄金时机研发，富含蜂王乳，天山雪莲，大豆异黄酮等珍贵萃取，让肌肤在睡眠中Q弹起来哦！再搭配细纹毛孔克星-多效维他命毛孔紧致精华乳，紧致效果更赞！微博独享直击：http://t.cn/zWSIuWJ



niaokan = 鸟坎　　wukan = 乌坎

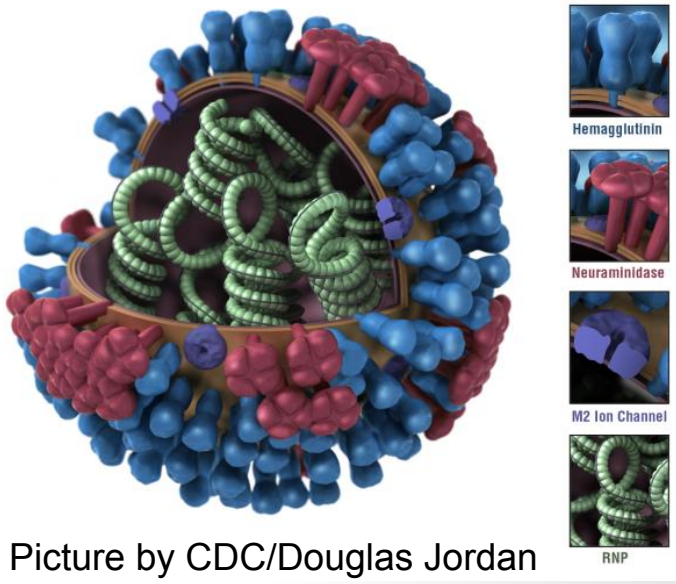


捐你妹

Juān nǐ mèi

Donate your sister

An analogy...



Picture by CDC/Douglas Jordan

- Human immune system
  - Distributed
  - Multi-tiered
  - Adaptive
  - Robust to new threats

Data and source code

Albuquerque, New Mexico

Source code, documentation, URLs

Chat programs

http://www.cs.unm.edu/~jeffk/

Weibo

Source code

Acknowledgments

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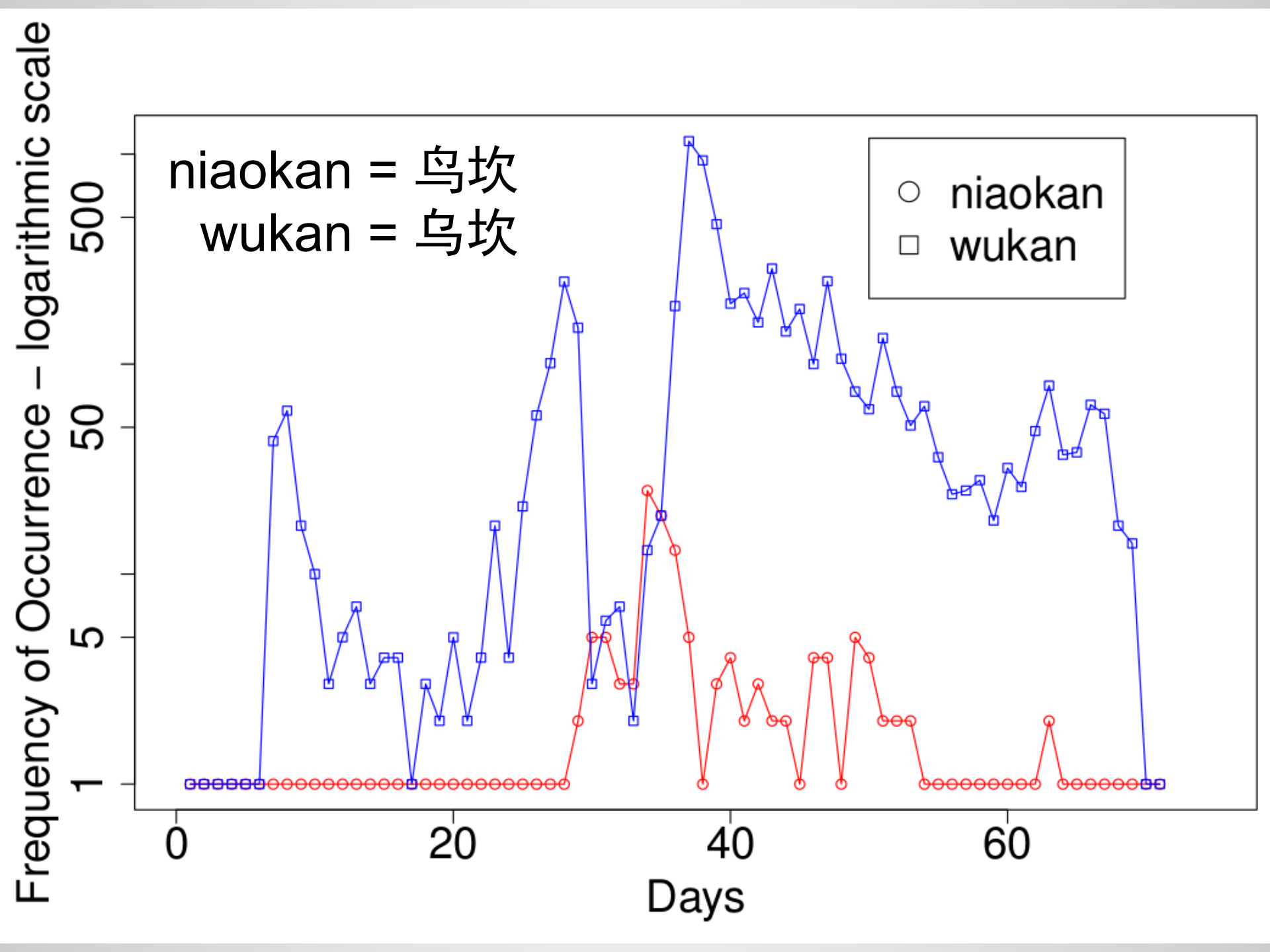
What is the "chess" of Internet censorship measurement?

What about policy implications?


niaokan = 鸟坎
wukan = 乌坎
niaokan
wukan
Frequency of Occurrence – logarithmic scale
1
5
50
500
0
20
40
60
Days