

Social Research with the Web  
Digital Methods Initiative, Amsterdam

We look at Google results and see society, instead of Google. That is a shorthand way of saying that we see institutions and issues in the ranked lists that are returned in the search results. Query the word rights in google.com and you are returned with the top Websites in the English-language space doing rights, in a variety of ways. You can also see which rights types are higher than others. For example, LGBT rights appear in the top ten of google.com, but not in google.fr, where youth rights are much higher.

But the question that is often asked is, where does social research end, and Google studies begin? Isn't it Google that determines the rankings? Surely Google has more to do with the hierarchies than societal dynamics. Can Google ever be removed from the picture when one is using it to perform research? These questions are classic ones in social research, as they concern the possibility of being able to isolate phenomena dependent on a context for them to exist. However, this question also should be put to Web studies more generally. Can one only study the Web with the Web?

The two research projects presented are attempts at a Web studies, where the devices themselves are a part of the analysis, and one is always aware of the significance of the question of where Google studies ends, and social research with Google begins. It is a question and approach that also may be applied to other devices as Twitter.

What kinds of findings may be made by reinterpreting search engine results, especially the rankings of sites for particular queries? What kinds of findings can be made by comparing results across the many local versions of Google, such as the new Palestinian one, google.ps? In the project "The Nationalities of Issues: Rights Types," we entered the word rights in various languages into the local Googles, in order to obtain hierarchies of rights types per country. Are there distinctive rights that rise to the top in Finland, the Netherlands, France, Italy, Switzerland, Germany, Austria, Sweden, Russia, Japan, Canada, the U.K., Australia, Philippines, Ivory Coast and other countries? Cultural rights in Mexico, pollution victims' rights in Switzerland, right to education in native

sign language in Finland, rights of the over-indebted in Ivory Coast – countries could be said to have distinctive concerns, compared to other countries, as read from local Google results.

Twitter, generally, but also during the Iran election crisis (June 2009 and beyond), has been described as banal. The question is, could the hundreds of thousands of tweets about the Iran election crisis be made into a comprehensible account of what has been happening on the ground as well as online? The project, "For the ppl of Iran - #iranlection RT," is such an attempt. In order to filter the most significant tweets, and order them so as to recount the crisis, the digital methods researchers chose to assemble the top three retweets per day, and order them chronologically, from 10 June to 30 June. The resulting output is a capsule account of the crisis, which the researchers also subsequently edited, and made into sub-storylines, on arrests, violence, Neda, censorship as well as the Internet. The entire set of top 3 retweets with the #iranlection hash tag from 10-30 June 2009 is printed. The sub-threads are online at <http://www.rettiwt.net/> (requires issuecrawler.net login).

The Digital Methods Initiative (DMI), Amsterdam, is a collaboration of the New Media program, Media Studies, University of Amsterdam and the Govcom.org Foundation. DMI is dedicated to reworking method for Internet research, and in particular to learning and developing technique for studying societal conditions and cultural change with the Web. Its director is Richard Rogers, Chair, New Media & Digital Culture, University of Amsterdam. Its coordinators and project facilitators are the New Media PhD candidates, Anne Helmond, Sabine Nie derer, Michael Stevenson and Esther Weltevrede. Anat Ben-David, the PhD candidate with dual affiliation, also facilitates. Staff include Erik Borra, Marieke van Dijk, Andrea Fiore, Koen Martens and Marijn de Vries Hoogerwerff. DMI is online at <http://www.digitalmethods.net/>.

Text by Richard Rogers, Michael Stevenson and Esther Weltevrede.

## The Nationalities of Issues

Most significant rights types per country according to local Google results of the query for rights in the local languages.

### RESEARCH STRATEGY

Employ Google to show most prominent types of rights per country.

### METHOD

Query the term “rights” in the local languages in the local Google versions, e.g., “oigused” in Google.ee and “direitos” in Google.pt. Manually, read the results and make lists of the top ten, distinctive rights types, leaving them in the order that Google provided.

Google.se with query “rättigheter” (13.07.09)  
Google.fi with query “oikeudet” (13.07.09)  
Google.ee with query “oigused” (15.07.09)  
Google.lv with query “tiesibas” (16.07.09)  
Google.co.uk with query “rights” (13.07.09)  
Google.nl with query “rechten” (13.07.09)  
Google.be with query “rechten van” (15.07.09)  
Google.be with query “droits” (14.07.09)  
Google.lu with query “rechte” (15.07.09)  
Google.de with query “rechte” (15.07.09)  
Google.at with query “rechte” (15.07.09)  
Google.ch with query “rechte” (15.07.09)  
Google.fr with query “droits” (14.07.09)  
Google.pt with query “direitos” (14.07.09)  
Google.es with query “derechos” (13.07.09)  
Google.it with query “diritto al” OR “diritto all” OR “diritto alla” (13.07.09)  
Google.ro with query “drepturile” (13.07.09)  
Google.mo with query “drepturile” (13.07.09)  
Google.ru with query “prava” (13.07.09)  
Google.com.tr with query “hakları” (17.07.09)  
Google.jp with query “権利” (16.07.09)  
Google.hk with query “權利” (17.07.09)  
Google.com.ph with query “karapatang” (16.07.09)  
Google.ci with query “droits” (17.07.09)  
Google.com.au with query “rights” (14.07.09)  
Google.ca with query “rights” (15.07.09)  
Google.ca with query “droits” (15.07.09)  
Google.com with query “rights” (14.07.09)  
Google.com with query “derechos” (15.07.09)  
Google.com.mx with query “derechos” (15.07.09)  
Google.com.br with query “direitos” (15.07.09)  
Google.ar with query “derechos” (15.07.09)  
Google.pe with query “derechos” (15.07.09)

### DATA STORAGE

The top 100 results per query are stored for validation purposes. In Firefox, save page as, web page, complete. Data sets available at <http://wiki.digitalmethods.net/Dmi/NationalityofIssues/>.

Note the local Google versions were chosen on the basis of the language skills of the participants of the Digital Methods Summer School, 2009. Note too that when faced with a large quantity of Google versions for a single language, a further selection was made, e.g., the top three Spanish-speaking countries according to population.

For those local Google versions where multiple languages are spoken, the two dominant languages were queried. We queried google.be (Belgium) in Flemish and French, and queried google.ca (Canada) in English and French.

### FINDINGS

Countries could be said to have distinctive concerns, compared to other countries, as read from Google results. For example, everyman’s rights in Finland, prostitutes’ rights in the Netherlands, computer programmers’ rights in Japan and the right to oblivion in Italy (not saving everything) are unique to the respective countries. The specific rights language per country has been retained, meaning that LGBT rights in the United States, and homosexual rights in Hong Kong, are not regarded as equivalents. Also, given the limited sample of countries and the method for selection, the most widely shared rights across countries are not the subject of analysis.

**ANALYSIS:** Vera Bekema, Liliana Bounegru, Andrea Fiore, Anne Helmond, Simon Marschall, Sabine Niederer, Bram Nijhof, Richard Rogers and Elena Tii.

**DESIGN:** Vera Bekema and Anne Helmond.

A product of the Digital Methods Initiative, Summer School ‘09, <http://www.digitalmethods.net/>.



Right type



Right type unique to the country  
(in this sample)

SWEDEN	FINLAND	ESTONIA	LATVIA	UNITED KINGDOM	NETHERLANDS	BELGIUM (Flemish)	BELGIUM (French)
human rights	children's rights	citizen's rights	animal rights	human rights	works council rights	human rights	human rights
patients' rights	everyman's right (freedom to roam)	children's rights	human rights	author's rights	air passengers' rights	disability rights	internet rights
children's rights	animal rights	environmental rights	air passengers' rights	digital rights	children's rights	cyclists' rights	youth rights
air passengers' rights	consumer rights	air passengers' rights	pension rights for non-citizens	minorities' rights	human rights	volunteers' rights	citizen's rights
creator's rights	women's rights	author's rights	immigrants' rights	citizen's rights	minorities' rights	air passengers' rights	intellectual property rights
equal rights	air passengers' rights	patients' rights	copyright	employment rights	prostitutes' rights	works council rights	patients' rights
citizen's rights	renter's rights	property rights	children's rights	publicity rights	taxpayers' rights	children's rights	women's rights
women's rights	patients' rights	landowners' rights	social rights	abortion rights	youth rights	job applicant's rights	children's rights
right of collective bargaining	youth rights	workers' rights	teachers' rights	photographers' rights	islam and women's rights	immigrants' rights	workers' rights
food rights	right to education in native sign language	sexual and health rights	consumer rights	children's rights	author's rights	patients' rights	the right to defend yourself in court

LUXEMBOURG	GERMANY	AUSTRIA	SWITZERLAND	FRANCE	PORTUGAL	SPAIN	ITALY
							
children's rights	children's rights	apprentice & trainee rights	citizen's rights	youth rights	human rights	human rights	privacy rights
							
personal information rights	youth rights	youth rights	journalists' rights	human rights	children's rights	author's rights	labour rights
							
human rights	rights of disabled children	children's rights	children's rights	women's rights	animal rights	digital rights	right to nationality
							
author's rights	rights of future generations	creators' rights	pollution victims' rights	children's rights	women's rights	women's rights	right to oblivion
							
european citizens' rights	phishing victims' rights	civil service rights	athletes' rights in doping cases	internet and ICTs rights	artists' rights	reproductive rights	right to information
							
youth rights	homosexuals' rights	disability rights	maternity rights	freedom of speech	citizens' rights	children's rights	health care rights
							
political rights	civil rights of institutionalised persons	work inspectors' rights	student's parents' rights	patients' rights	disability rights	intellectual property rights	right to a fair trial
							
shareholders' rights	apprentice & trainee rights	shareholders' rights	right to a fair trial	air passengers' rights	pedestrians' rights	audiovisual producers' rights	environmental rights
							
digital rights	human rights	athletes' rights in doping cases	equal rights	animal rights	patients' rights	rights of indigenous people	right to exercise religion
							
rights of future generations	crime victims' rights	patients' rights	apprentice & trainee rights	citizen's rights	passengers' rights	environmental human rights	medical self-determination

ROMANIA	MOLDAVIA	RUSSIA	TURKEY	JAPAN	HONG KONG	PHILLIPINES	IVORY COAST
human rights	human rights	human rights	human rights	children's rights	taxpayers' rights	copyright	human rights
children's rights	children's rights	children's rights	women's rights	right to defend yourself in court	children's rights	human rights	youth rights
citizens' rights	author's rights	intellectual property rights	children's rights	patients' rights	labour rights	civil and political rights	consumer rights
author's rights	patients' rights	animal rights	consumer rights	computer programmers' rights	human rights	student's rights	workers' rights
intellectual property rights	women's rights	freedom of the press rights	patients' rights	environmental rights	copyright	children's rights	rights of the overindebted
women's rights	disability rights	consumer rights	author's rights	performers' rights	right to demonstrate	rights of street vendors	health care rights
pedestrians' rights	pregnancy and maternity rights	citizen's rights	animal rights	disability rights	homosexual rights	the right to vote for a president	women's rights
homosexuals' rights	intellectual property rights	workers' rights	citizen's rights	freedom of speech	animal rights	the right to vacation	children's rights
pregnancy and maternity rights	personal information rights	housing rights	taxpayers' rights	the right to information	consumer rights	rights of indigenous people	author's rights
mental disability rights	pedestrians' rights	author's rights	intellectual property rights	music copyright	migrant workers' rights	intellectual property rights	fundamental rights

AUSTRALIA	CANADA (French)	CANADA (English)	USA (English)	MEXICO	BRAZIL	ARGENTINA	PERU
							
human rights	human rights						
							
artists' rights	children's rights	women's rights	artists' rights	children's rights	children's rights	school pupils' rights	children's rights
							
men's rights	immigrants' rights	housing rights	privacy rights	workers' rights	author's rights	author's rights	women's rights
							
welfare rights	author's rights	online rights	LGBT rights	women's rights	disability rights	civil rights	rights of indigenous people
							
activists' rights	civil and political rights	children's rights	publicity rights	labour rights	animal rights	rights of indigenous people	author's rights
							
plant breeders' rights	human rights at work	publicity rights	medicare rights	animal rights	fair use of copyrighted material	women's rights	reproductive rights
							
workers' rights	women's rights	media usage rights	children's rights	reproductive rights	infants' and adolescents' rights	animal rights	school pupils' rights
							
digital rights	non-smokers' rights	workers' rights	digital rights	intellectual property rights	minorities' rights	environmental human rights	animal rights
							
gay and lesbian rights	fundamental rights	non-smokers' rights	disability rights	rights of indigenous peoples	consumer rights	children's rights	environmental rights
							
aboriginal rights	intellectual property rights	equality rights in housing	civil rights	cultural rights	sexual rights and reproductive rights	citizen's rights	workers' rights

## For the ppl of Iran - #iranlection RT

#iranlection RT tells the story of the day-to-day unfolding of the Iran election crisis as seen through Twitter. #iranlection RT is a collection of all the tweets that have been tagged #iranlection from the first one on 10 June up to 30 June 2009, some 650,000 in all. The most “retweeted” tweets (RTs) have been filtered and organised chronologically, as opposed to the reverse chronology that Twitter uses. In “reversed realtime” the most significant #iranlection retweets show the urgency and the emotion of those twenty days in June, when the tensions on the streets and the coverage in the media were at their height. The crisis unfolds on Twitter with the discovery of the value of the #iranlection hash tag, and tweeters both in and outside Iran begin using it to mark all tweets about the events there. Mousavi holds an emergency press conference. The voter turn-out is 80%. SMS is down, Mousavi’s website and Facebook are blocked. Police are using pepper spray. Mousavi is under house arrest, and declares he is prepared for martyrdom. Neda is dead. There is a riot in Batherstan Square. First aid info here. Bon Jovi sings “Stand by Me” in support. Ahmadinejad confirmed the winner. Light a candle for the ppl of Iran.

The collection of tweets also shows how tweeters respond to what is happening online and on the ground. Tweets reporting important websites blocked are followed up by proxies being offered. Accounts of police using pepper spray are followed up by links to websites with first aid information.

For the ppl of Iran - #iranlection RT is an exercise in transforming the supposed banality of Twitter into a machine that recounts events on the ground and in social media.

About the #iranlection collection of tweets (10-30 June 2009)

Tweets tagged with #iranlection - 653,883

Unique number of Twitter users using #iranlection tag - 99,811

Number of Twitter users using #iranlection with multiple tweets - 46,702

Number of Twitter users using #iranlection with greater than 20 tweets - 6,000

Number of Twitter users using #iranlection with 1 tweet - 53,109

Number of Twitter users using #iranlection who were retweeted - 36,913

Number of Twitter users using #iranlection who were retweeted multiple times - 16,336

Number of Twitter users using #iranlection who were retweeted 10 times or more - 2,829

Number of Twitter users using #iranlection who were retweeted 1 time - 20,577

Number of languages used in #iranlection - 26

Number of tweets in #iranlection in English - 612,373

Number of tweets in #iranlection in Farsi - 6,248

“For the ppl of Iran - #iranlection RT” is a production of the Digital Methods Initiative, Summer School, 2009, session on media attention formats, led by Richard Rogers. Programming by Erik Borra, design by Marieke van Dijk and editorial by Kimberley Spreeuwenberg and Esther Weltevrede. #iranlection RT is online at <http://www.rettiwt.net/> (requires issuecrawler.net login).

## #iranlection RT Top 3 retweets per day

**[Jun 10]** Wow - Twitter search can let you see all the Iran election tweets coming out of Tehran  
[#IranElection](http://bit.ly/x5C8P) 3 retweets Prosecutor General declares unequal airtime given to candidates is against the law [#IranElection](http://bit.ly/1bhCHk) 2 retweets Mousavi boycotts TV debate due to unfair time allocation: 20 min to Ahmadinejad, 1:41 to Mosuavi #IranElection

2 retweets **[Jun 11]** RT@LaraABCNewsAhmedinejad = Bush, Mousavi = #Obama? Sadjadpour's neat analysis of #iranlection [#IranElection](http://bit.ly/14jy0Y) 4 retweets Marc Lynch asks "Could there be a Mousavi Effect?" [#IranElection](http://bit.ly/12hkAW) #retweet\_thursday 4 retweets RT: @alexbobov: RT @keyvan Expect internet connection problems and new wave of filtering in Iran within next 72 hours. #IranElection 3 retweets **[Jun 12]** Mousavi will hold emergency press conference in 15 mins in Tehran [#IranElection](http://havadaran.net/archive/00309.php) 6 retweets My conclusions after seeing 100s of #IranElection photos: Tehran looks a lot like Tel-Aviv and ALL Iranian girls are beautiful 5 retweets Reports says more than 80% are electing. This is very high, first time in the history of islamic republic #iranlection 5 retweets **[Jun 13]** Latest photos from Tehran: [www.flickr.com/mousavi1388/](http://www.flickr.com/mousavi1388/) (updated every minute) #IranElection 11 retweets Mousavi has been arrested!!!!!! [#iranlection](http://tr.im/oopK) 11 retweets SMS is down, Moussavi's websites and Facebook are filtered, state TV is celebrating and people are in the streets. #IranElection

10 retweets **[Jun 14]** PLEASE RT (ReTweet) these pictures <http://twitpic.com/7c85I> AND <http://ow.ly/e11H> and this hashtag 348 retweets Dear Iranian People, Mousavi has not left you, he has been put under house arrest by Ministry of Intelligence #IranElection 80 retweets #iranlection We witnessed police spraying pepper gas into the eyes of peaceful female protesters 36 retweets

**[Jun 15]** Functioning Iran proxies 218.128.112.18:8080 218.206.94.132:808 218.253.65.99:808 219.50.16.70:8080 #iranlection 410 retweets Our Iranian friends can access Twitter from 148.233.239.24 Port:80 in Tehran. Can avoid govt filters from here. #iranlection 131 retweets to other sources: this isn't the police! police is still outside! we're under attack by Ansar-Hezbollah.

#iranlection 67 retweets **[Jun 16]** Twitter Reschedules Maintenance Around #IranElection Controversy [\(via](http://bit.ly/2xWNy) 223 retweets RT From Iran: CONFIRMED!! Army moving into Tehran against protesters! PLEASE RT! URGENT! #IranElection 222 retweets RT Open Letter to the World from the People of Iran: <http://tinyurl.com/nw95ev> Please RT. 129 retweets **[Jun 17]** Simple ways to help Iranian free speech: [#IranElection](http://is.gd/13U0V) #gr88 Pls RT

536 retweets RT from Iran: #IranElection Regime still pretending there's no protest outside Tehran RT this HUGE demo pic NOW- <http://twitpic.com/7ki6e> 250 retweets U.S. Government Asks Twitter to Stay Up for #IranElection Crisis . <http://bit.ly/5Cade> 116 retweets **[Jun 18]** RT Add your username to the Green Wall to show support for #iranlection <http://iran.greenthumbnails.com>

272 retweets Mindblowing #IranElection Stats: 221,744 Tweets Per Hour at Peak <http://bit.ly/3xmvpE> 209 retweets to protect us all followers pls change your twt location to IRAN GMT+3.30 - #iranlection RT RT RT 69 retweets **[Jun 19]** MOUSAVI APPEALS TO THE WORLD TO PARTICIPATE IN SEA OF GREEN IN IN ALL CAPITAL CITIES THIS SUNDAY #Iranlection RT RT RT - confirmed 108 retweets RT From Iran: "I have one vote. I gave it to Moussavi. I have one life. I will give it for Freedom." #IranElection 59 retweets RT from Iran: The

situation in Iran is now CRITICAL - the nation is heartbroken - suppression is imminent - #IranElection  
52 retweets Jun 20 I am prepared For martyrdom, go on strike if I am arrested #IranElection  
174 retweets Courage! Please, please, read this short piece & RT: <http://bit.ly/IQUI5> #IranElection  
70 retweets STOP supporting US backed coup in Iran. #IranElection #IranElection 64 retweets  
Jun 21 RT If an innocent girl gets shot halfway across the world, does she make a sound? Yes, and the whole world hears her. #IranElection 117 retweets RT "On 9/11, the world said we were all Americans. Tonight, we're all Iranian" #IranElection #Neda 79 retweets RT RT WIDELY FIRST AID INFO IN FARSI : یکشزپ لکشم. <http://gr88.tumblr.com/> #IranElection 68 retweets Jun 22 PLEASE RT: THIS IS WHY WE PROTEST. @ <http://digg.com/d1uPU9> #iran #iranelection 462 retweets  
Anonymous secure blog RT bypass govt. blocks Free Select Canada to auto-download <http://tinyurl.com/nzxc05> #iranelection 188 retweets Help Iran free speech. RT. Anonymous web tool. Free. Select country Canada <http://tinyurl.com/nzxc05> #iranelection 119 retweets Jun 23 RT MOUSAVI Declares ALL IRAN STRIKE TUESDAY & Rest of Week! Do NOT WORK! STAY HOME OR PROTEST! Close ALL Bazaars! #IranElection #N 64 retweets #iranelection RT  
<http://iran.greenthumbnails.com/> learn, understand, support 57 retweets FREE SPEECH! DO NOT SUPPORT BLOODY COUP IN IRAN! #IranElection Tehran <http://tinyurl.com/m7w4pg> 56 retweets  
Jun 24 New pictures of Neda along with a profile of her life <http://bit.ly/14ebTK> #neda  
64 retweets in Baharestan we saw militia with axe chopping ppl like meat - blood everywhere - like butcher - Allah Akbar - #Iranelection 62 retweets they pull away the dead into trucks - like factory - no human can do this - we beg Allah for save us - #Iranelection 61 retweets Jun 25 RT URGENT FOR WOUNDED!! English & FARSI FIRST AID INFO: (<http://gr88.tumblr.com/>)  
#Iranelection 102 retweets RT Please RT Video June 24th Riot in Baherstan Sq. posted today <http://bit.ly/Hrh71> #iranelection 87 retweets Plz send your videos to for media, esp CNN. When filming show newspaper to prove date. Very Imp RT RT RT #iranelection 36 retweets Jun 26 RT - natarsim natarsim ma hame ba ham hastim - Don't be afraid, don't be afraid. We are all in this together #IranElection #iran 40 retweets Doctor who was with Neda in her last moments took a risk to speak to BBC: <http://tinyurl.com/nrrg63> 30 retweets Statistical analysis suggests fraud in #iranelection <http://bit.ly/63MKI> 22 retweets Jun 27 God is Great #Iranelection #revolution #neda RT RT RT everybody 70 retweets RT Please RT Video June 24th Riot in Baherstan Sq. <http://bit.ly/Hrh71> #iranelection #gr88 32 retweets Check out the new tribute video for #iranelection. Dedicated to those protesting in Iran. Amazing video.RT RT RT <http://tinyurl.com/lqpvv> 28 retweets Jun 28 British embassy staff arrested in Iran, Foreign Office confirms <http://bit.ly/6jjnP> #iranelection 66 retweets Iran government TV: Eight local British embassy staffers arrested <http://bit.ly/13hAZ8> #iranelection 28 retweets has been arrested. Some solidarity might not go amiss. RT! #iranele 20 retweets Jun 29 Bon Jovi, Andy Madadian & Richie S. sing "Stand By Me" 2 support #iranelection <http://tr.im/q3hj> 88 retweets #Neda (You Will Not Defeat The People) #music video 4 neda and the ppl of Iran 50 retweets Bon Jovi & Iranian Superstar Andy M. sing "Stand By Me" 2 support #iranelection <http://tr.im/q3hj> RT 47 retweets Jun 30 RT Support your local Iranians! Only shop at 7-11. FREE IRAN!! ... with purchase of any medium size slurpee... #iranelection 75 retweets RT Ahmadinejad WINS!!! Everyone else can SUCK IT!!!! #iranelection 25 retweets RT Please LIGHT a CANDLE for those who have DIED! PLZ RT! #iranelection Iran #Neda 6 retweets