



## US Senate

A public list by Twitter Government



Principal Accounts of Members of the U.S. Senate (a mix of campaign and government accounts)

MEMBERS

100

SUBSCRIBERS

1,101

[Subscribe](#)

### Tweets

[List members](#)[List subscribers](#)

Recently added members · [View all](#)



Senator Thom Tillis @Se...

[Follow](#)

Senator Ben Sasse @Se...

[Follow](#)

Senator Mike Rounds @...

[Follow](#)

## Tweets



Senator John Thune @SenJohnThune · 6m

Joan Kreitlow and Erland & Marlys Weerts stopped by my office today. Good to see you all, and thanks for stopping by.

[View photo](#)

John McCain @SenJohnMcCain · 8m

Joining @Greta shortly @FoxNews to discuss latest on #ISIS and my @WSJ op-ed on #defense: wsj.com/articles/john-...

[View summary](#)

Senator Jon Tester @SenatorTester · 8m

Canada's import fees are hurting MT businesses. Read the bipartisan letter I sent Canada here [http://pol.mtbiz.tra/tester.senate.gov/?p=press\\_relea](#)

[View photo](#)

Mark Kirk @SenatorKirk · 10m

VVA Chairman I will keep working to make sure our nation's heroes have access to quality care. [1.usa.gov/1Eyq0sj](#) #veterans

[View photo](#)

# Tweeting the U.S. Senate

Cari Kaufman & Jarrod Millman

More lists by @gov · [View all](#)

# Data sources:

The screenshot shows the Twitter interface for the 'US Senate' public list. At the top, there are navigation links for Home, Notifications, Messages, Discover, and a search bar. Below the header, the list title 'US Senate' is displayed, along with a small Twitter logo and a note that it's a public list by Twitter Government. It shows 100 members and 1,101 subscribers. A 'Subscribe' button is available. The main content area is titled 'Tweets' and lists several recent posts from senators like John Thune, Thom Tillis, Ben Sasse, Mike Rounds, Jon Tester, and Mark Kirk. Each tweet includes a profile picture, the senator's name, their Twitter handle (@SenJohnThune, etc.), the time since posted, and a brief description. Below the tweets, there's a section for 'Recently added members' with links to profiles for Senator Thom Tillis, Senator Ben Sasse, Senator Mike Rounds, Senator Jon Tester, and Senator Mark Kirk. At the bottom, there's a link to 'More lists by @gov'.

[twitter.com/gov](https://twitter.com/gov) list of senators  
twitter REST API

The screenshot shows the Sunlight Congress API website. At the top right, the Sunlight Foundation logo is visible. The main heading is 'SUNLIGHT CONGRESS API'. Below it, a large section is titled 'LEGISLATORS'. It contains a brief description: 'Data on members of Congress, dating back to 1789. All member information is sourced from the bulk data at [github.com/unitedstates](https://github.com/unitedstates). Feel free to [open a ticket](#) with any bugs or suggestions.' It defines the 'Unique ID': 'the bioguide\_id will be present and unique for all members of Congress. It is an official ID, assigned by Congress, and is the most suitable for use as a unique ID.' A 'Methods' section is listed under 'Legislators', with links to '/legislators/locate' and '/legislators'. Another 'Methods' section is listed under 'Fields', with links to 'Identifiers', 'Names', 'Contact info', 'Social Media', and 'Terms'. At the bottom, there are links to 'Improve this page on Github.', 'Try out the API in your browser.', and a 'Follow @sunlightlabs' button.

# Sunlight Congress API

# Our questions

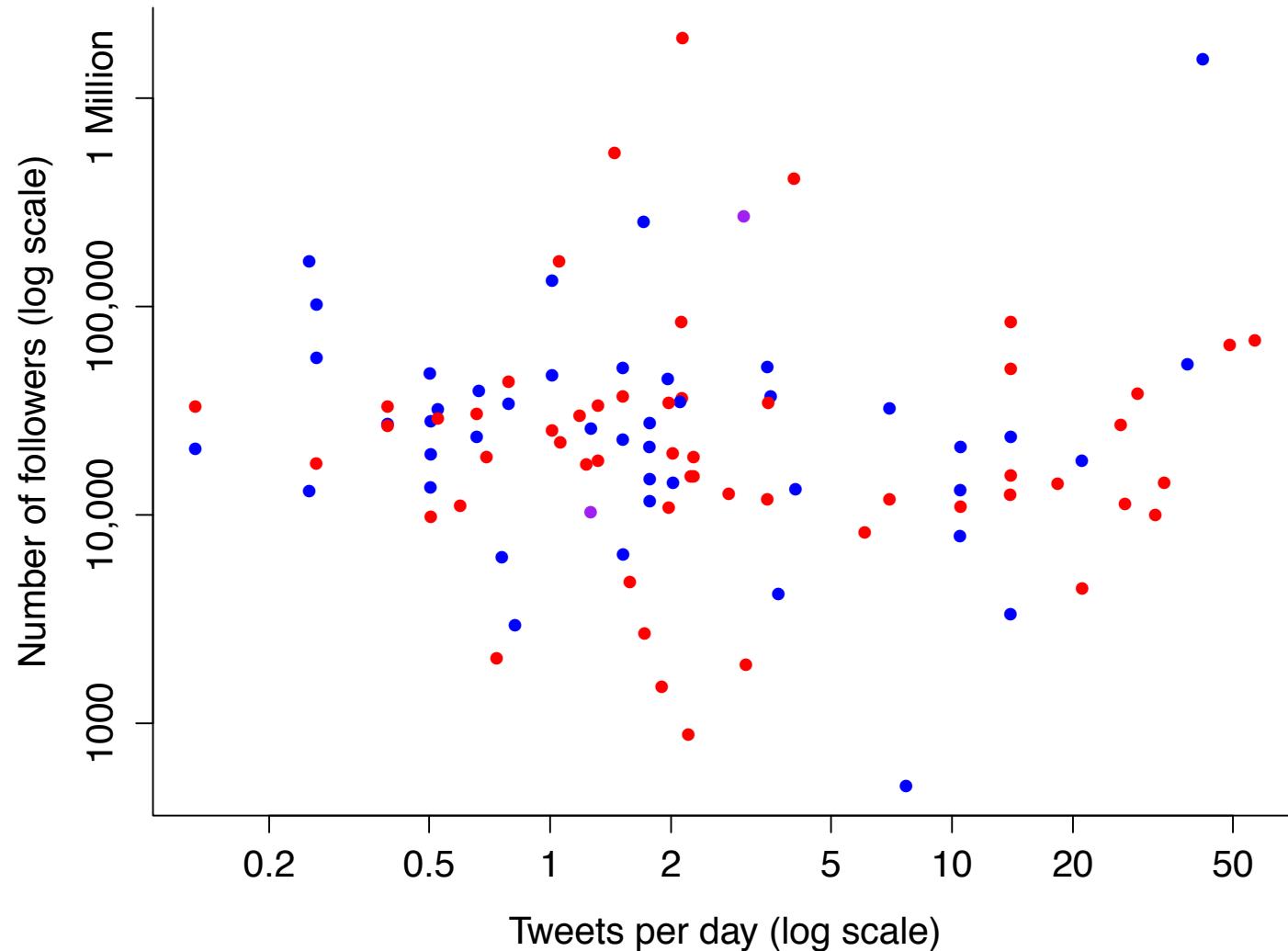
Who are the **popular** senators on twitter? How **often** do they tweet?

Do senators **follow** each other? What does the **network** look like?

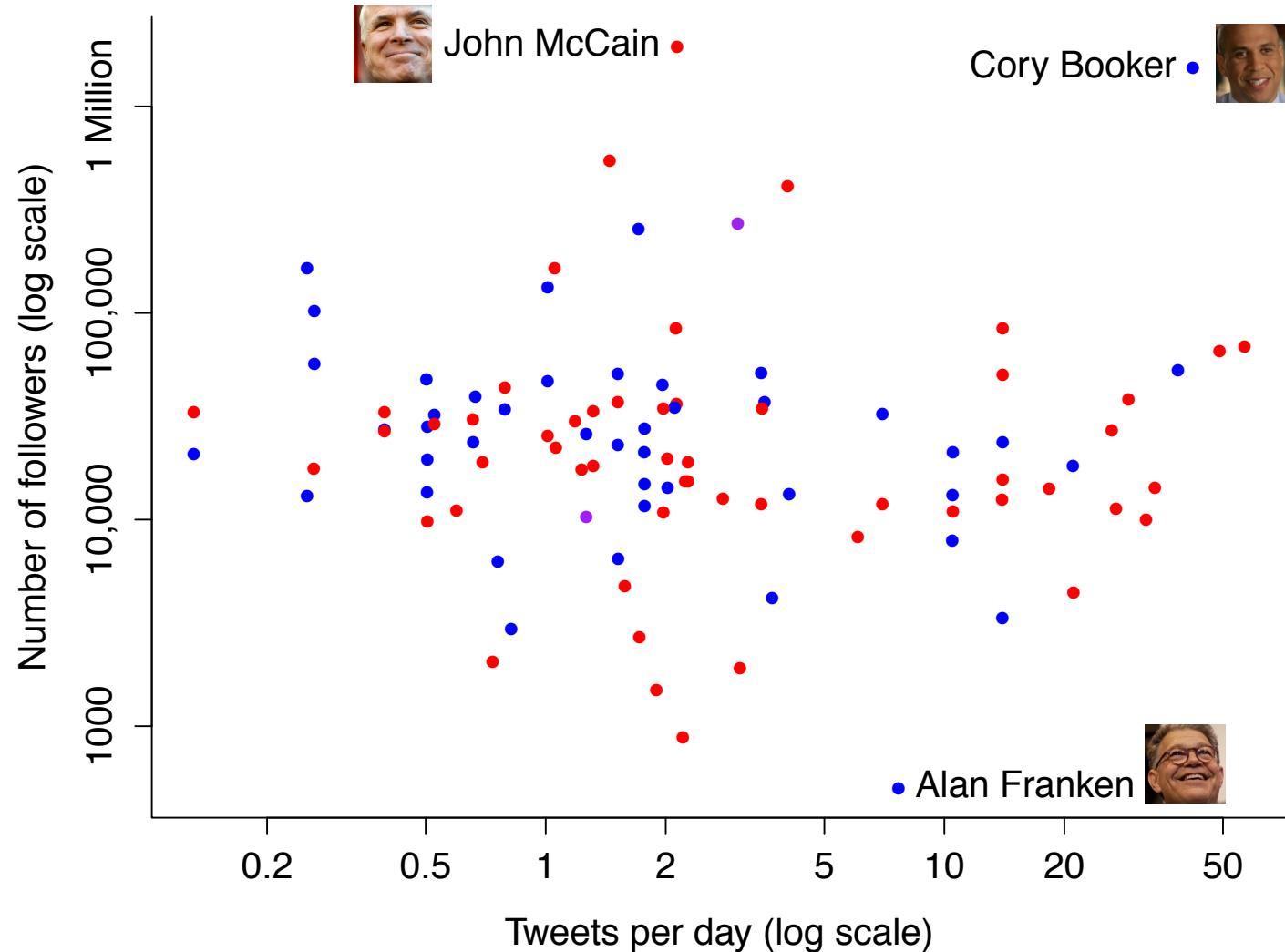
What **hashtags** do senators use? How do they change over time?

What **words or phrases** distinguish between Democrats and Republicans?

# Frequent tweeting $\neq$ popularity

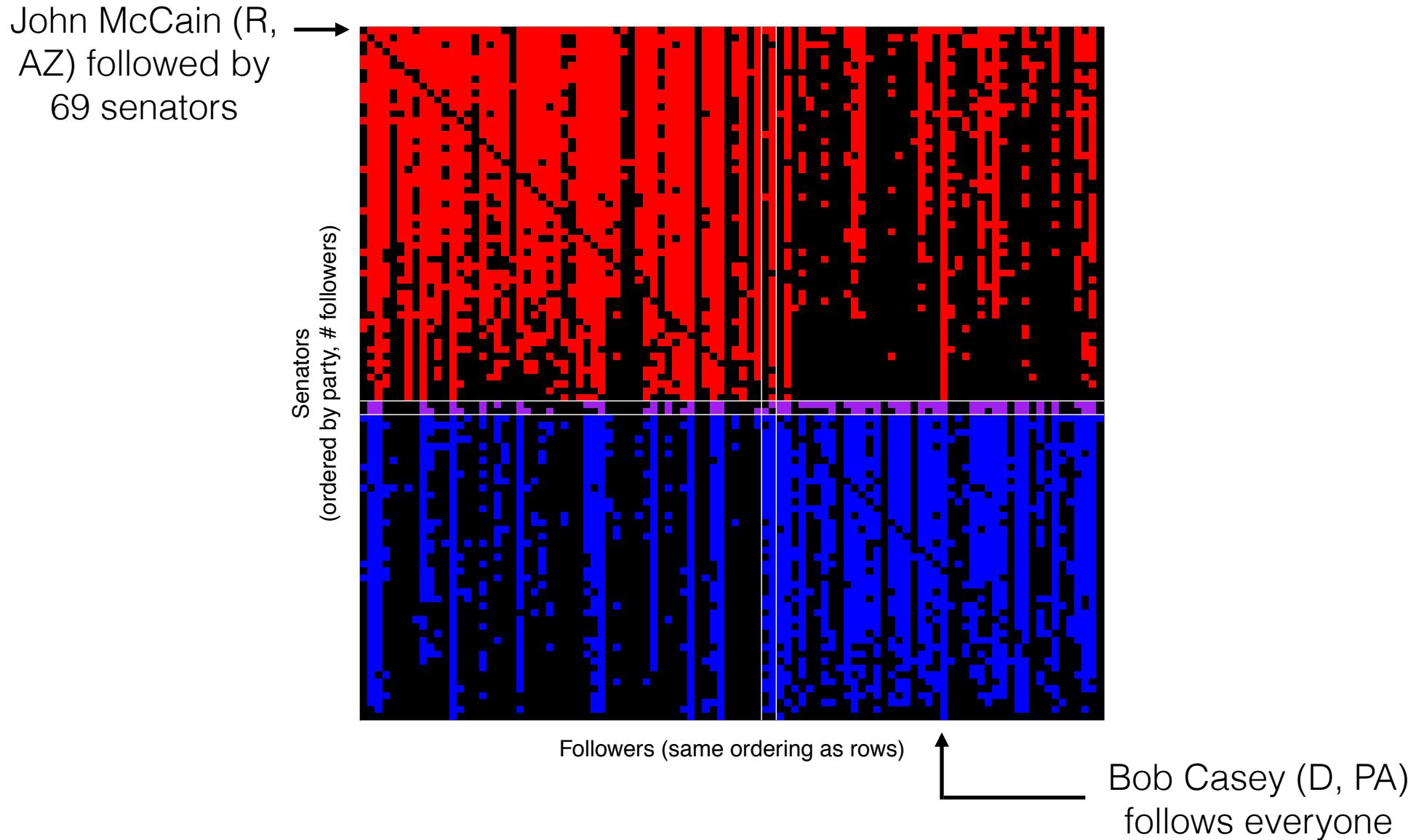


# Frequent tweeting $\neq$ popularity



# Do senators follow each other?

$i, j$  entry black means  $j$  does NOT follow  $i$

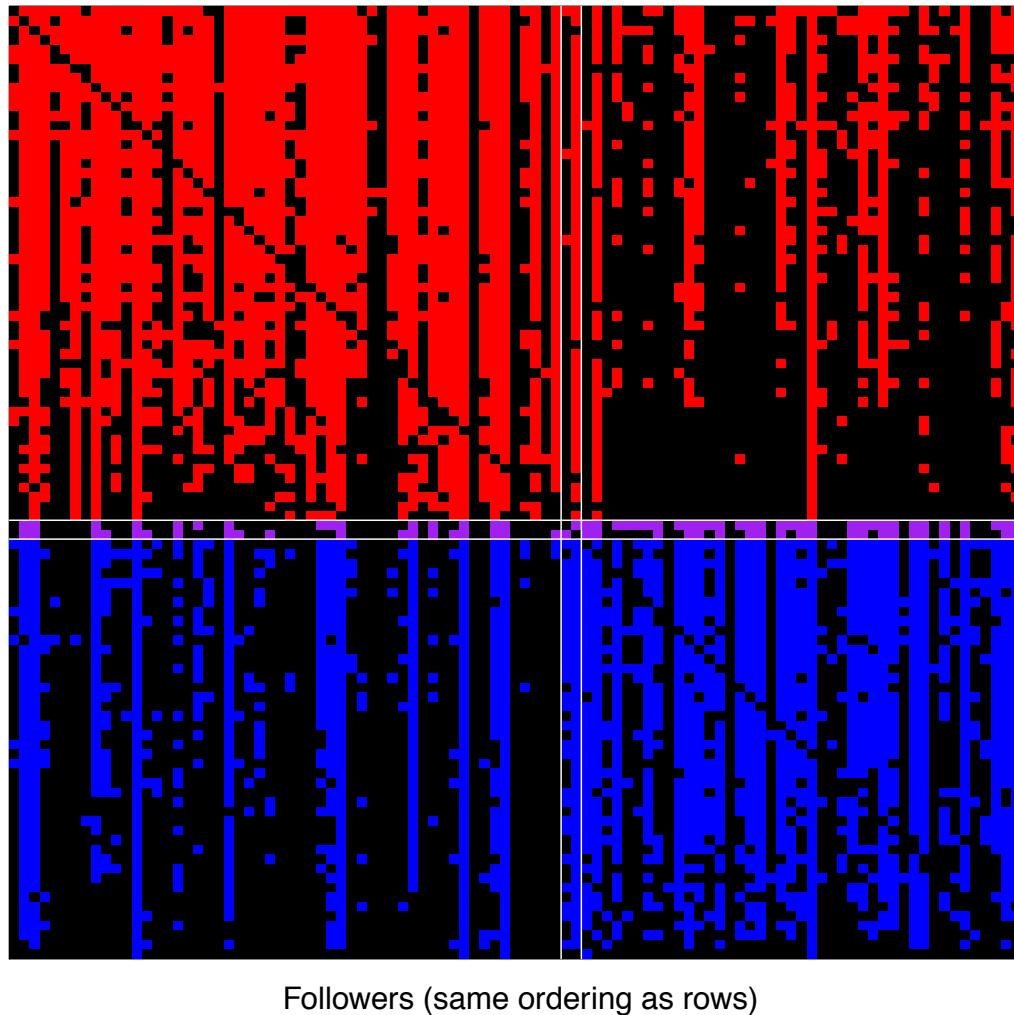


# Do senators follow each other?

i,j entry black means j does NOT follow i

R following R  
(66.5%)

Senators  
(ordered by party, # followers)

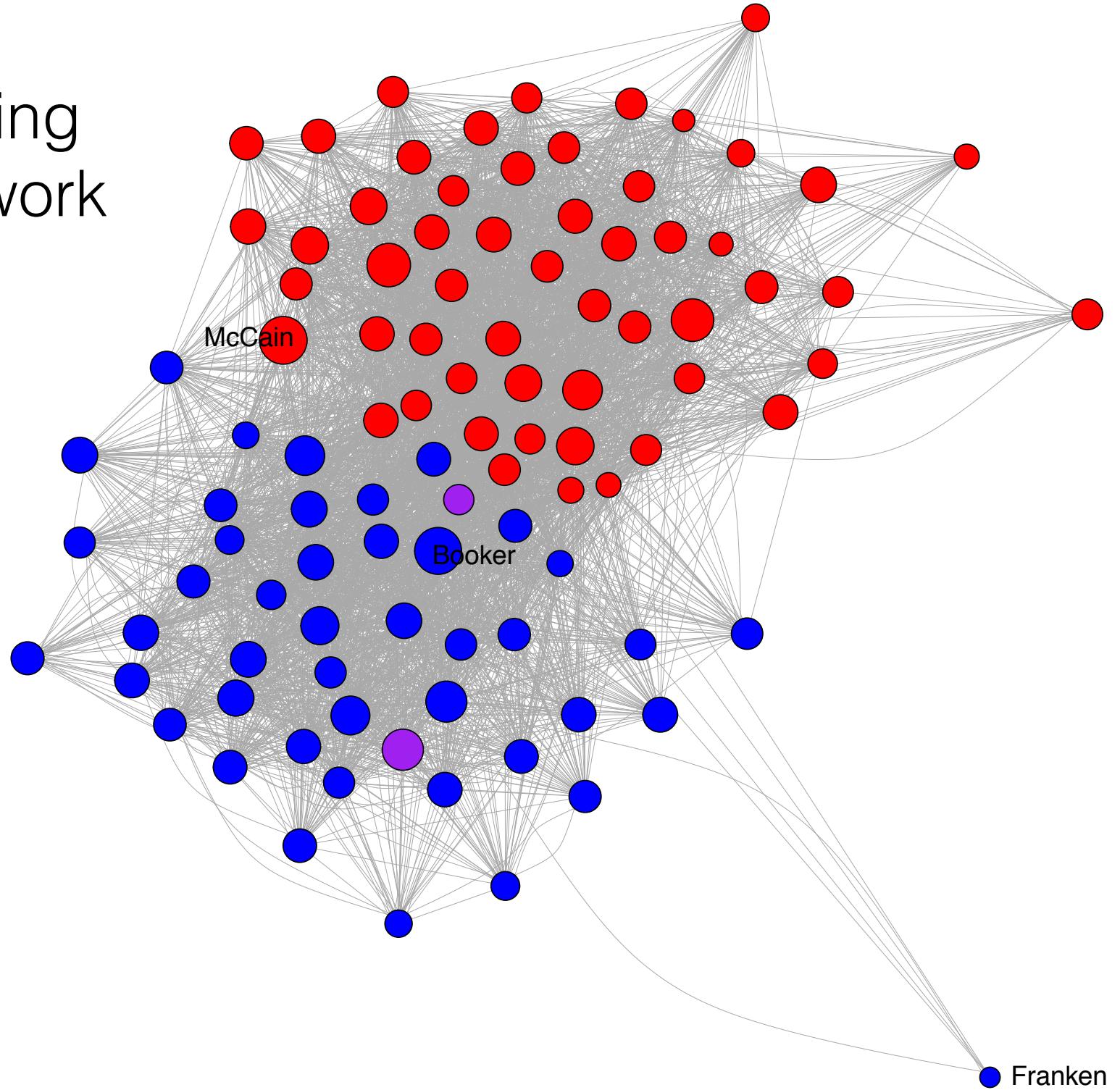


R following D  
(26.5%)

D following R  
(23.9%)

D following D  
(57.8%)

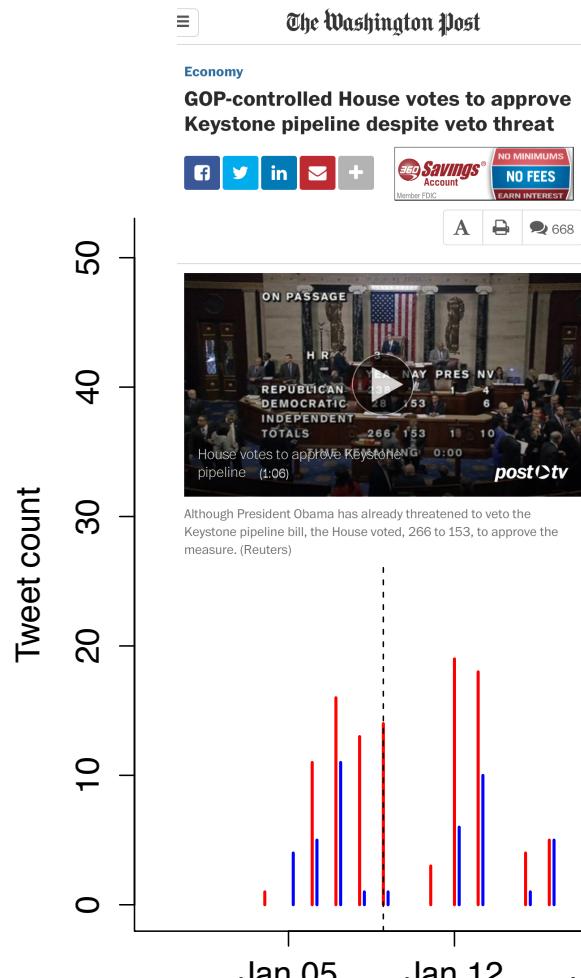
# Visualizing the network



# Popular hashtags (beginning 2015)

#sotu	243	257
#keystonexl	141	300
#netneutrality	161	25
#clayhuntsavact	99	65
#senate	51	72
#funddhs	131	11
#dhs	72	60
#veterans	64	51
#dontshutdownoursecurity	112	2
#obamacare	5	105

# #keystonexl



The Washington Post

Economy

**GOP-controlled House votes to approve Keystone pipeline despite veto threat**

House votes to approve Keystone pipeline (1:06) posttv

Although President Obama has already threatened to veto the Keystone pipeline bill, the House voted, 266 to 153, to approve the measure. (Reuters)

US News NEWS

Senate Approves Keystone XL Pipeline

Obama is faced with deciding whether to follow through on a veto threat.

npr

House Sends Keystone XL Pipeline Measure To Obama Despite Veto Threat

FEBRUARY 11, 2015 5:18 PM ET KRISHNADEV CALAMUR

House Energy and Commerce Committee Chairman Fred Upton, R-Mich., left, clasps hands with Sen. John Hoeven, R-N.D., sponsor of the Senate's Keystone XL pipeline bill version, on Wednesday as lawmakers gather to urge President Obama to sign the legislation approving expansion of the Keystone XL pipeline. The House passed the Senate's version of the bill Wednesday afternoon. J. Scott Applewhite/AP

The New York Times

**Obama Vetoes Bill Pushing Pipeline Approval**

By MICHAEL D. SHEAR and CORAL DAVENPORT FEB. 24, 2015

Email Share Tweet Save More

President Obama retains the authority to approve the pipeline on his own timeline. Doug Mills/The New York Times

# Tweets to tokens

- Remove place names (states, large cities) - regular expression search
- Remove twitter handles, hashtags, RT, links - string functions
- Tokenize - nltk
- Remove stop words, senator first and last names - direct comparison

# Tweets to tokens

Before:

```
u"Proud to welcome Dave Nelson  
from @pva1946 to this morning's  
Nebraska Breakfast. #Veterans  
http://t.co/00JN3emVLN"
```

- Remove place names (states, large cities) - regular expression search
- Remove twitter handles, hashtags, RT, links - string functions
- Tokenize - nltk
- Remove stop words, senator first and last names - direct comparison

After:

```
[u'proud', u'welcome', u'dave',  
 u'morning', u"'s", u'breakfast']
```

# Words used more frequently by Republicans

	# tweets (# senators)
obamacare	1805 (46) 70 (13)
administration	555 (48) 65 (21)
uni	494 (2) 2 (1)
fox	469 (33) 16 (12)
must-read	467 (12) 11 (5)
potus	467 (38) 51 (23)
irs	455 (43) 38 (18)
obama's	441 (40) 54 (22)
iran	420 (39) 47 (11)
epa	412 (39) 28 (15)

# Words used more frequently by Democrats

	# tweets (# senators)	
clean	447 (43)	67 (28)
sexual	445 (34)	125 (20)
equal	365 (41)	29 (19)
wage	271 (34)	52 (15)
fairness	192 (31)	55 (19)
equality	184 (33)	12 (10)
discrimination	175 (28)	12 (6)
minimum	154 (28)	30 (17)
impt	154 (21)	38 (14)
gap	154 (31)	26 (15)

# Republicans on Obamacare

bill to **lessen the consequences** of Obamacare on American workers . http : //t.c  
can not expand , extend , or fix # ObamaCare - but we need a plan for the # Kin  
going dark for 10K ? The coming # Obamacare **horror stories** : http : //t.co/lwe  
8 months will decide the fate of # Obamacare : http : //t.co/lwemqtTF3f We 're  
losing the war when it comes to # Obamacare . We must unite to prevent that :  
feat from the jaws of victory on # Obamacare : http : //t.co/lwemqtTF3f Thanks  
bsite : http : //t.co/jj0dyMkOQm # Obamacare RT @ SDGOED : Thank you , @ LeeCow  
akson and I are **fighting against** # Obamacare : https : //t.co/vly810I0TY . @ WJ  
agree . We need a **full repeal** of # Obamacare now ! http : //t.co/ZQMYF78arB Sup  
http : //t.co/jtN8rJn8Q9 # Georgia Obamacare is **hurting Georgia families** ; It  
of this law -- &gt ; Architect of Obamacare says the law will `` sting '' smal  
der 30 hours per week because of # Obamacare . # SOTU The current economic path  
'm cosponsoring a bill to **repeal** # ObamaCare . We must replace it with affordab  
ith @ Varneyco earlier today about Obamacare & amp ; tonight 's vote on # Keyst  
ers and businesses from effects of Obamacare . http : //... Met with 22 groups fr  
se Pastor Saeed Abedini . How is # Obamacare affecting you and your family ? If  
ss owner who is **struggling under** # Obamacare . VIDEO : http : //t.co/k866bbJM9Y  
y agreement . I want to know how # Obamacare has affected you , your family , o  
the start , I have voted to **defund** Obamacare . Tomorrow I will vote to **oppose** c  
to voice my opposition to funding Obamacare . # MakeDClisten video : http : //  
nniversary of # SCOTUS ruling on # ObamaCare I share concerns that the IRS 's r  
11 Business hearing yesterday w/ # Obamacare regs . http : //t.co/kBmmo7rPwl Th  
. # Donts... Last reason to send the Obamacare Repeal Act to President Obama 's d  
j Reason # 7 for # **FullRepeal** of # Obamacare . - \$ 18 trillion and counting . L  
co/67k1tzjHrq Why must we send the Obamacare Repeal Act to President Obama's de

# Democrats on Obamacare

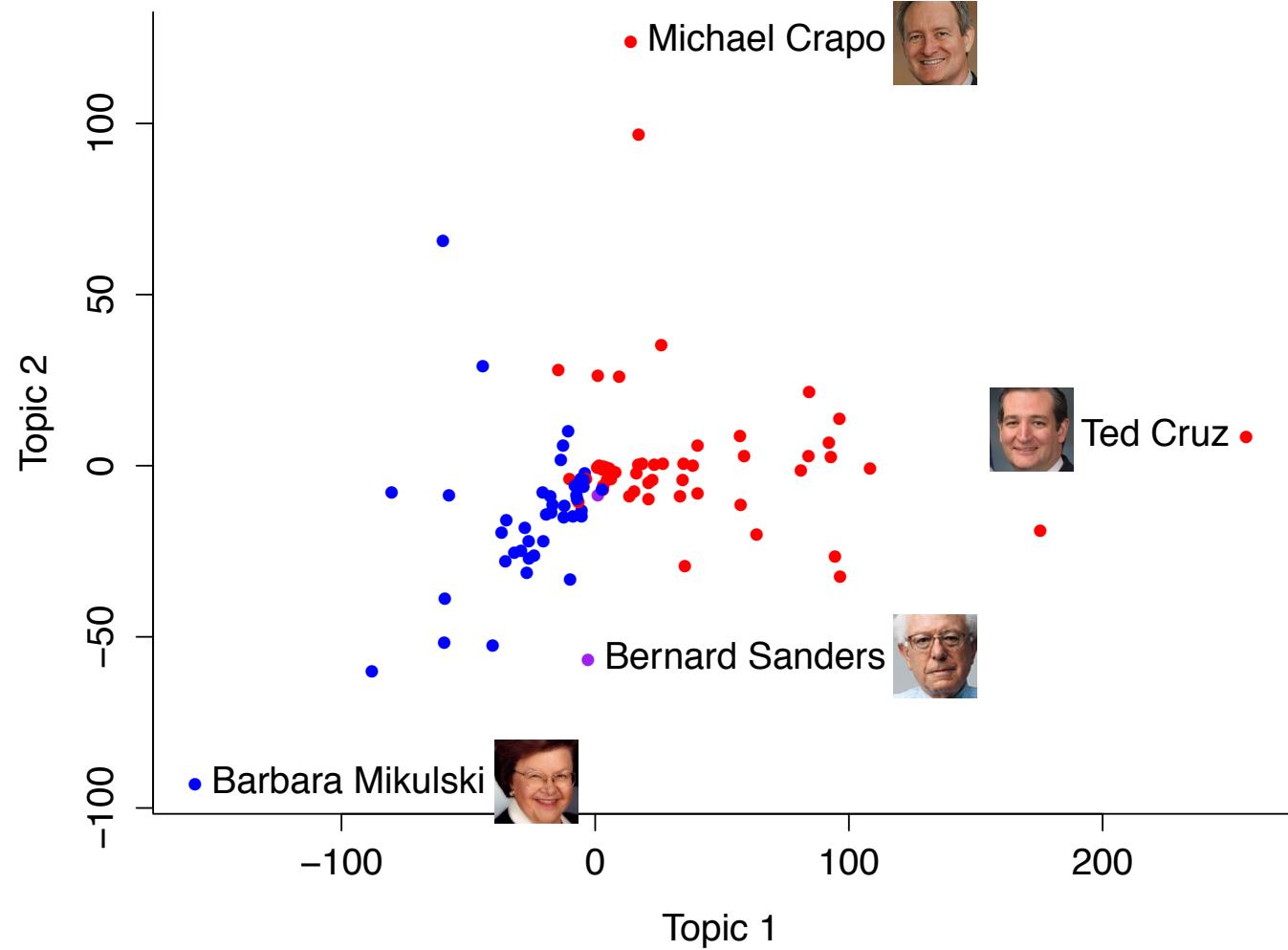
blicans push back on shutdown over Obamacare . http : //t.co/NDKKGNUThh '' RT @ z and Co. shutdown the govt over # Obamacare . Chile roasting season ! # fall # 00 dropped from # Medicaid about # Obamacare : http : //t.co/iPXTLC5WRV http : Most Americans newly covered under Obamacare are happy with their coverage . ht works in the news : `` # Wisconsin Obamacare enrollment nearly doubles , beats ` Uninsured Rate Drops , Thanks to Obamacare '' http : //t.co/duPrRiXGZM # ACAW ent & amp ; reacts to McConnell 's Obamacare trade http : //t... VIDEO : Emergenc ys young women will benefit from # Obamacare : http : //t.co/Me85P8bgL6 Celebra ple are clear : no shutdown over # Obamacare : http : //t.co/07kwiD4glN . RT @ FScjYs Happy 1-yr anniversary to # Obamacare 's preventive services benefit for vices benefit for women . Thanks # Obamacare ! # GetCovered http : //t.co/lLvJh talks about the best reforms in # Obamacare that are improving how we deliver shutting down the government over Obamacare ? Dumbest idea , `` dishones Eichmann : Sen. @ ChrisCoons calls Obamacare debate and other manufactured cris RT @ TPM : GOP expected to thwart Obamacare fix for churches : http : //t.co/0 e http : //t.co/6II4VxJfLp GOP's # Obamacare change would raise the deficit htt an 9.5M Americans have enrolled in Obamacare : http : //t.co/wY4ZawW8UX You can a healthy young America . 1 in 3 # Obamacare enrollees are under age 35 ! # Get age for \$ 100/month or less . '' # Obamacare , http : //t.co/UEY... # TTIP must o billion on prescription drugs . # Obamacare , http : //t... For the third year i tions : http : //t.co/g1td0D3uXP # Obamacare 7.1 M people on Medicare have save ption drugs since 2010 thanks to # Obamacare : http : //t.co/g1td0D3uXP @ DEBRe etCovered-health insurance under # Obamacare is more affordable for all America RT @ politicoroger : B. Clinton : Obamacare `` is the law . Elected officials se : RT so your friends know how # Obamacare is helping millions afford quality

# Similar analysis for bigrams (two-word phrases)

obama admin	319	12	sexual assault	312	73
fox news	318	5	student loan	258	60
listen live	304	32	climate change	178	37
obama administration	197	16	equal work	152	2
listen here:	151	10	clean energy	145	2
et discuss	147	3	minimum wage	140	19
senate democrats	144	14	domestic violence	131	33
majority leader	143	10	campus sexual	123	9
details here:	141	15	child care	116	27
tax reform	140	11	loan debt	111	1

# Two “topics” separate the parties

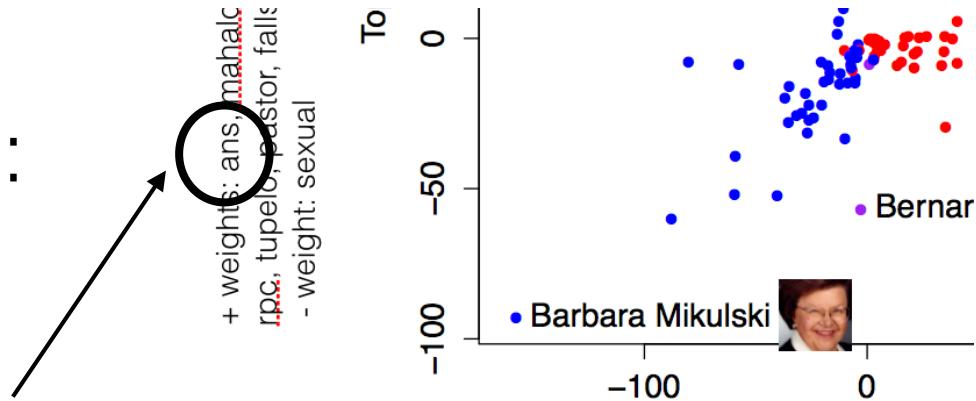
+ weights: ans, mahalo, tele-townhall, abedini,  
rpc, tupelo, pastor, falls, coeur  
- weight: sexual



+ weights: obamacare, amnesty, fox, hsgac, rps  
- weights: ans, sexual, mahalo, wage, mexicans

# Room for improvement 1: Demonyms

+ weights: ans, mahalc  
RPC, tupelo, pastor, fall  
- weight: sexual



“ans” shows up in both topics.  
What is it?

+ weights: obamacare, a  
- weights: ans, sexual, m

Displaying 25 of 402 matches:

```
smen 's caucus w/ 114th congress join ans today congratulating sworn second ter  
eel good future america meet w/ young ans attended 225th anniversary judiciary  
thinking- great ideas future glad met ans week joined coalition senators offer  
oud join presenting outstanding young ans w/ congressional award gold medals to  
od bless one busy week dc-met w/ lots ans usual glad home week trying get many  
year really great week met 26 groups ans always thankful come way-great conver  
nds need help met 14 group today lots ans lots important issues glad took time  
ist today amp others field serve many ans well occasion today press get abedini  
ects obamacare met 22 groups week- 35 ans lots issues lots work 'm thankful ans  
ans lots issues lots work 'm thankful ans take time help appreciate members com  
ble state received encouraging report ans w/ great hear success amp progress tr  
practitioners-they great job w/o many ans would w/o healthcare-impressed hard w  
e tater proud grandpa busy week- lots ans dc lots photos find website vicki amp  
talk important business issues facing ans met foundation suicide prevention mor  
busy day despite snow met two groups ans braved storm 's big blizzard d.c. shu  
s open intel committee hearing video: ans americans deserve better heard tonight  
n't approve answered great questions ans last night telephone town hall listen  
tor abedini 's release important many ans 's exchange w/ state dept case n't se  
oes victims families thoughts prayers ans reminder president obama added 1.7 tr  
u amp id va services always good see ans dc - welcome nation's capital territo  
conservation issues remain important ans amp appreciate tu 's work recently en  
st time christmas: interesting number ans signing concealed carry permits far o  
onal lands... sen introduces strengthen ans rights 1 2 signed onto several bills  
following president 's address think ans american people need hear president t  
rong partnership advocating interests ans 2/2 join ans today congratulating swo
```



# List of demonymns for U.S. states

From Wikipedia, the free encyclopedia

This is a list of official and notable unofficial terms used to designate the citizens of specific [states](#) and the [District of Columbia](#).

## List [\[edit\]](#)

State or District	Official (recommended by U.S. GPO) <sup>[1]</sup>	Official, unofficial, or informal alternates
Alabama	Alabamian	Alabaman <sup>[2]</sup>
Alaska	Alaskan	Sunasorpok (Inuit term for original settlers) <sup>[3]</sup>
Arizona	Arizonan	Arizonian, Sand Cutter <sup>[4]</sup>
Arkansas	Arkansan	Arkansawyer, <sup>[5]</sup> Arkie <sup>[6]</sup>
California	Californian	Californio (archaic)
Colorado	Coloradan	Coloradoan (archaic) <sup>[7][8]</sup>
Connecticut	Connecticuter	Nutmegger, Connecticuter, Connecticutersian, <sup>[9]</sup> Connecticutian, Connetian <sup>[10]</sup>
Delaware	Delawarean	Blue Hen's Chicken, Muskrat <sup>[11]</sup>
District of Columbia	Washingtonian	
Florida	Floridian	Florida cracker <sup>[12]</sup>
Georgia	Georgian	Buzzard, Cracker, Goober-grabber, <sup>[13]</sup> Sand-hiller <sup>[14]</sup>
Hawaii	Hawaii resident	Hawaiian ( <a href="#">Hawaiian people</a> ), Malihini (newcomer), Kama'āina (native-born nonethnic Hawaiian), <sup>[15]</sup> Islander <sup>[15][16]</sup>
Idaho	Idahoan	