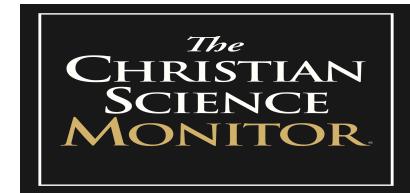


Tweets and the News

**What are they tweeting about?
How do they tweet differently?**

News Agencies

- Sample size: 25,600 tweets
- Domestic



- International



Methods

- Top words
- Collocations
- Searching for tweets by topic
 - Example: Fox News and [obama, #obama, potus, @barackobama]

unders gop led senate fails override obama #keystonexl veto lawmakers fight sup
ve damage dems rip netanyahu warning obama iran nuke deal fear mongering #netan
nagering #netanyahuspeech real reason obama white house doesn boost bibi widenin
house doesn boost bibi widening rift obama propel netanyahu upcoming election s
nyahu upcoming election stand israel obama iranians fact checker calls obama sa
el obama iranians fact checker calls obama saying #keystonexl bypasses us clean
lot love fo wake america beware team obama dangerous plan ban bullets pres tryi
tay ruling obama immigration action #obama administration sent 800 000 custome
iani wanted apologize comments pres #obama repeat said # 9p et talk u troops t
id # 9p et talk u troops think pres #obama comments wh extremism summit though
esn love america giuliani clarifies #obama patriotism comments obama offers lo
spiracy theories radical ideas pres #obama address grievances terrorists explo
including economic grievances pres #obama need find new ways amplify voices p
court case #obamacare next opinion #obama amnesty plan dead absolutely dead #

Lexical Richness: Domestic News

(# unique words) / (total # of words used)

- New York Times: **26.6%**
- FOX: **26.7%**
- Washington Post: **27%**
- Christian Science Monitor: **20%**

Hot Topics: Domestic News

				
Immigration	16	54	14	15
American Sniper	8	54	23	13
Ferguson	34	13	41	9
KeystoneXL	8	25	11	7
Gay marriage	10	15	29	25

Hot Topics: Domestic News

				
Obama	101	299	150	137
Hillary Clinton	40	41	59	22
Jeb Bush	20	10	38	26

Words about Hillary Clinton



- Private email
- Presidential contenders
- Glass ceiling



- Private email
- Violated ethics
- Monica reference

Words about Jeb Bush



- Dynasty son
- Campaign donors
- Ruthless
- Jeb Bush



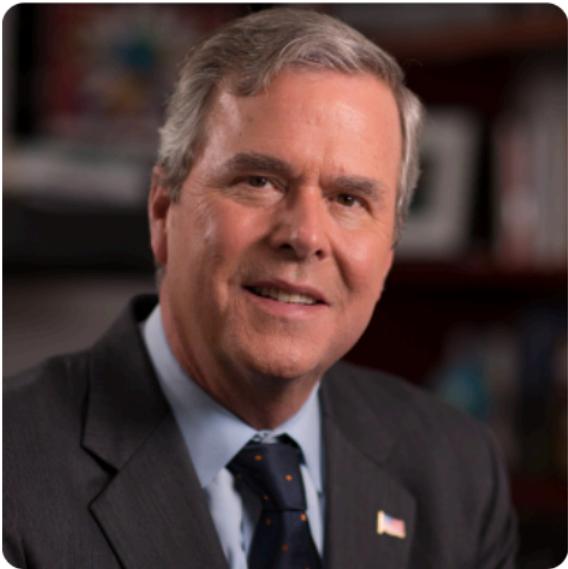
Hillary Clinton

A word cloud visualization of Hillary Clinton's speech at the Iowa State Fair. The words are arranged in two main sections: 'Hillary' at the top and 'Clinton' at the bottom. The size of each word indicates its frequency or importance in the speech. The colors of the words vary, creating a visual contrast between the two sections.

The word cloud includes the following words:

- challenge
- months
- sensibly making
- are afraid
- iowa
- obama political
- flags state
- review story
- /different meeting
- making
- activity
- business
- donation
- debate
- dems
- Silicon
- Foundation
- secretary
- donations
- thwarted
- museum
- re
- third
- 2001
- private
- public
- personal
- administration
- takes
- ethical
- 2016
- rules
- latest
- broke
- among
- raises
- busy
- request

- Political Calculus: voters **unlikely to care** much about the Hillary Clinton email furor [New York Times]
- Hillary Clinton, private email and more **questions about character** via [@danaperino](#) [FOX News]



Jeb Bush

@JebBush

Jeb

access book savvy
rivals video resigns
state cpac key fundraiser eyes christie quayle
legacy appearance #cpac2015 dynasty
tastes House tweets hurt marco
florida look white seems father documents run
conservatives man pac chief survive campaign technology
gays officer releases backing pressure makes policy team
brother tech dad win many wife rubio women
set unique home gop
meet faces backfire show wife
lay used economic vice mail host staffer
comment chapter emails presidency affairs Barbara family
republicans governor 2015 pursues son
dump experts speech VP education personal
relentlessness conservative new one growing
chapter
foreign donors

Bush

- As **dynasty son**, Jeb Bush used his connections freely [New York Times]
- Jeb Bush **stands firm** on controversial immigration, education policies at CPAC [FOX News]

International News Agencies

- How do they tweet differently?
 - Location



Telegraph



Methodology

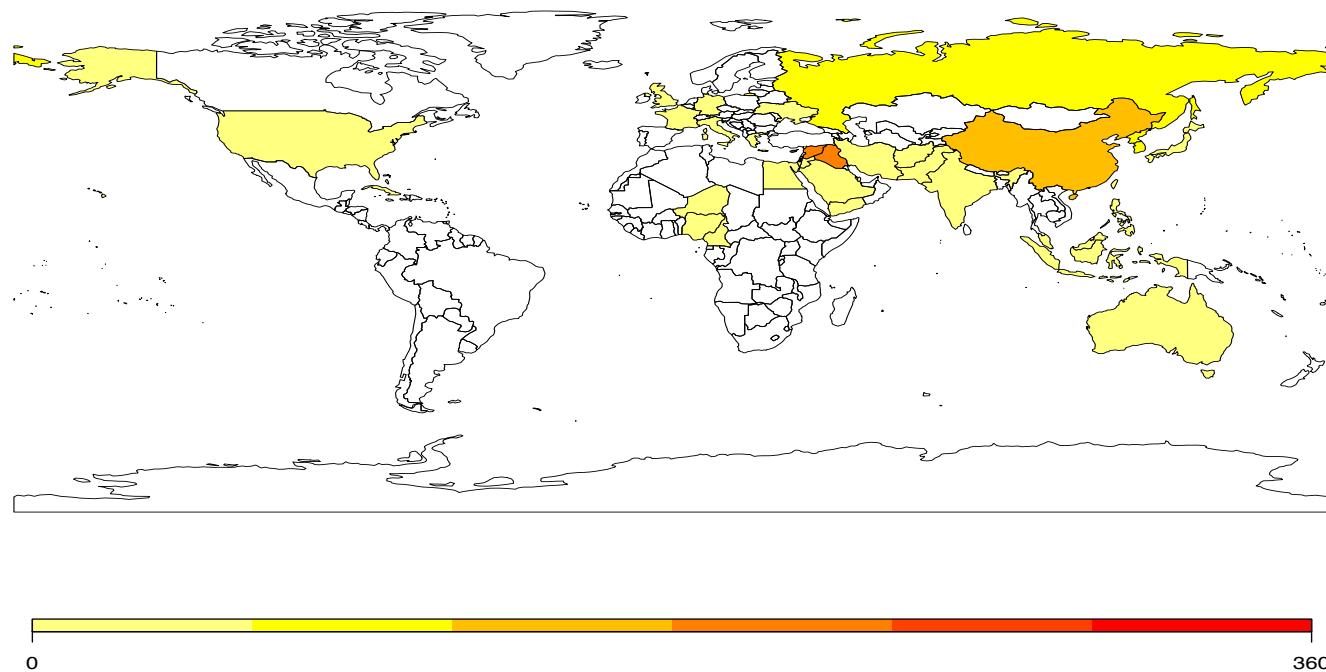
- Calculate words frequency for each agency
- Extract word counts representing each country
- E.g.

American, US, States, USA

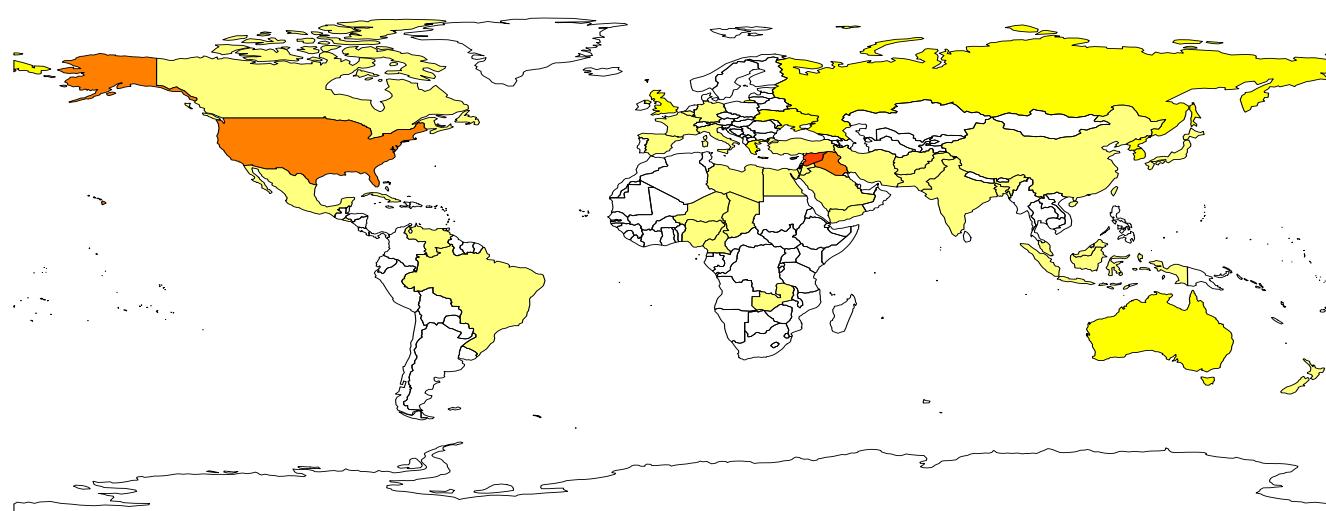
French, France

China, Chinese

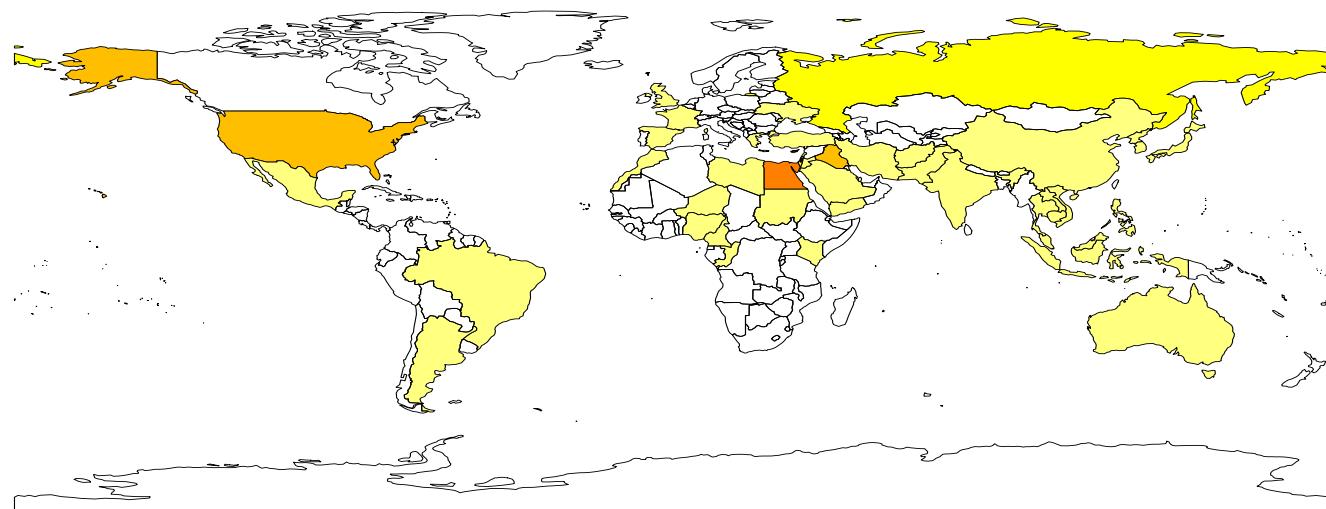
Cnn World News Coverage



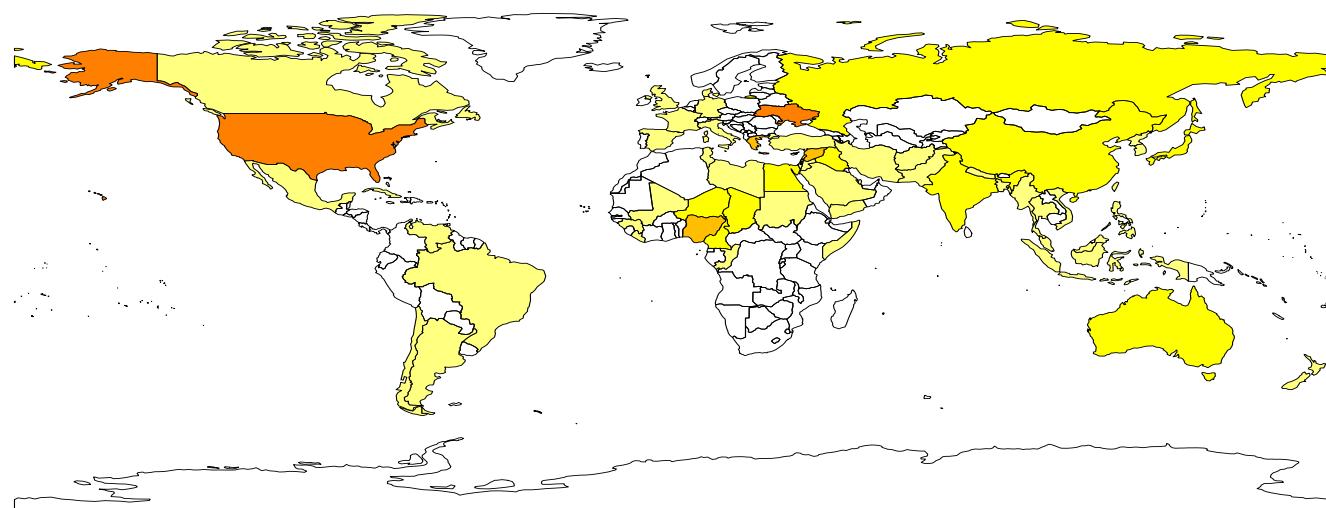
Telegraph World News Coverage



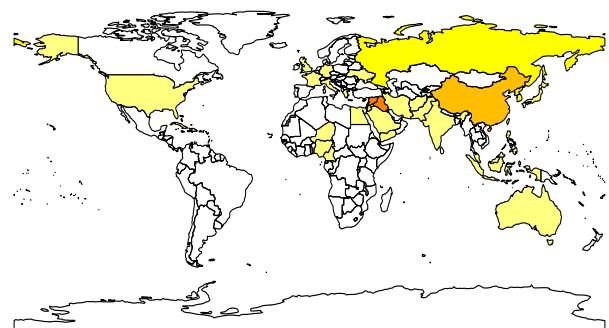
Al Jazeera World News Coverage



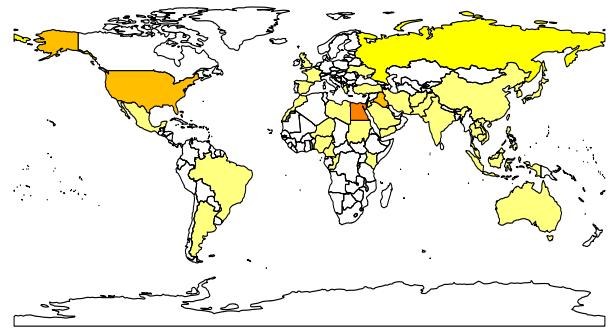
Agence France-Presse World News Coverage



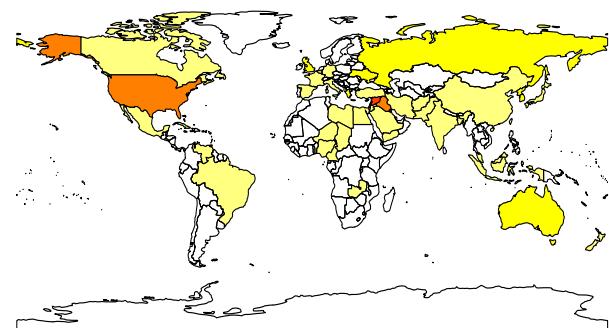
CNN World News Coverage



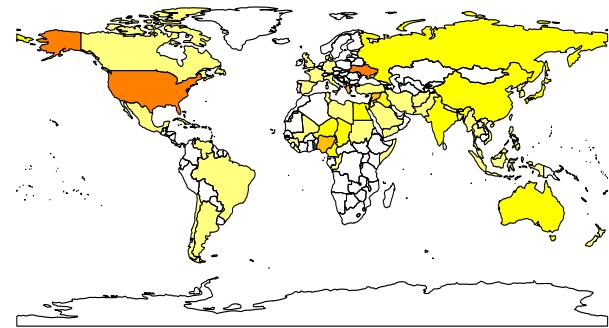
Al Jazeera World News Coverage



Telegraph World News Coverage

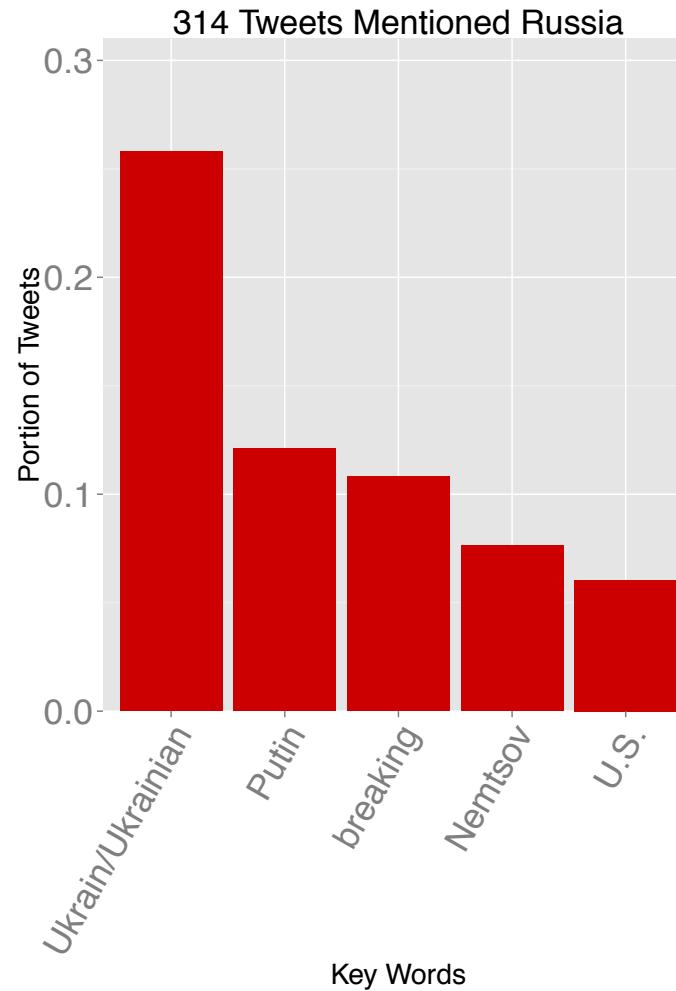
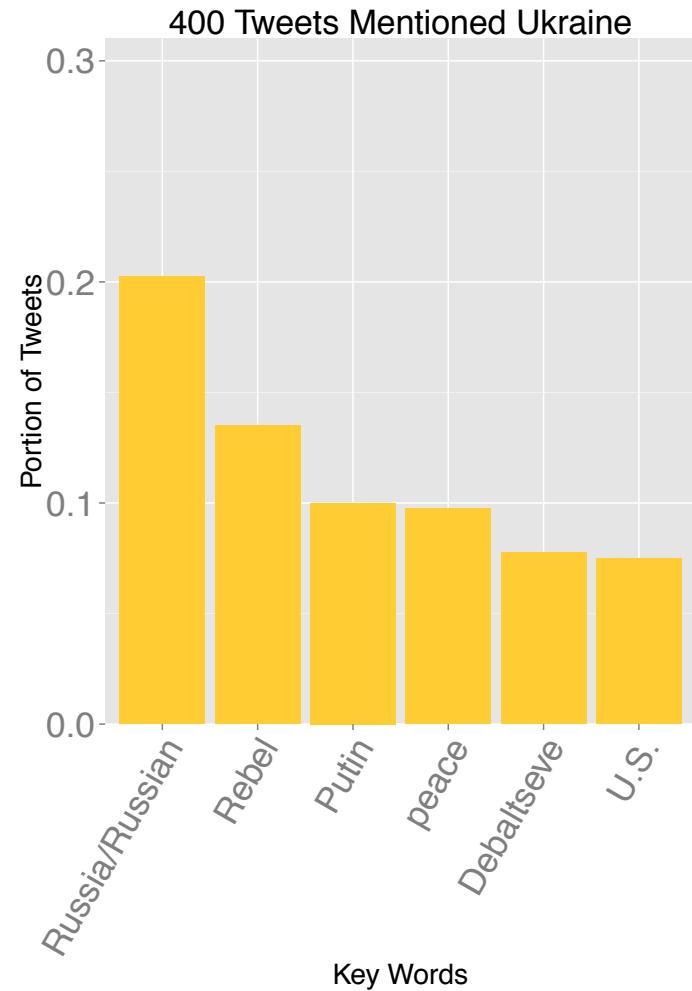


Agence France-Presse World News Coverage

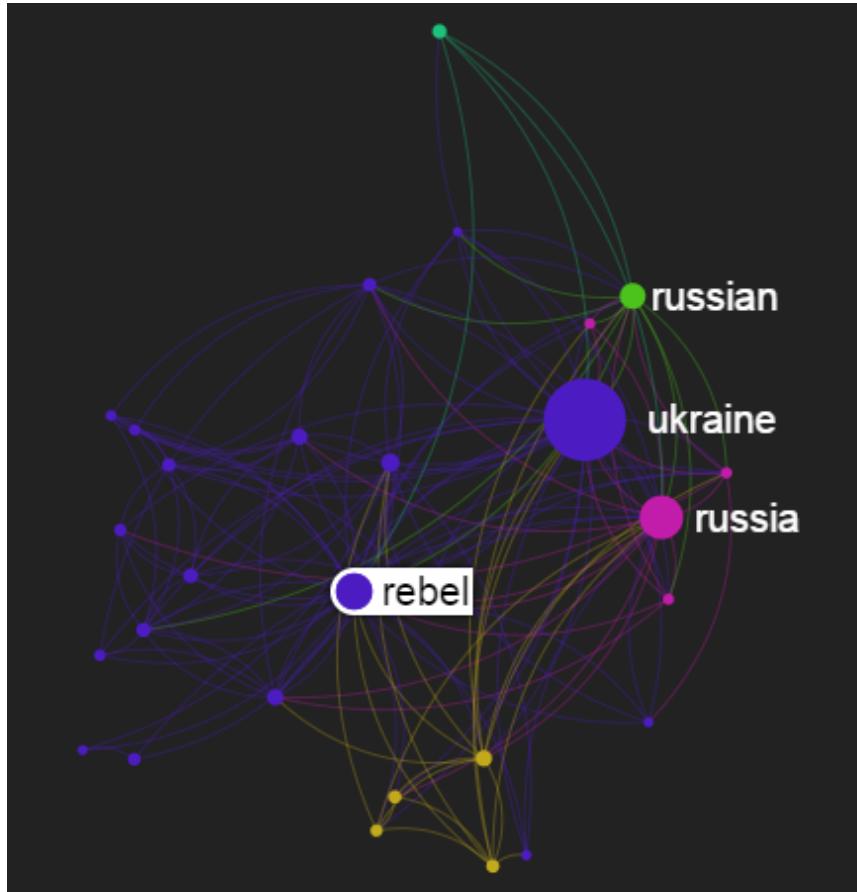


Ukraine and Russia

- Identify the tweets related to each region
- count the number of tweets that contain each key word



Visualize Tweets Involving both Russia and Ukraine as Network



Source : [Texttexture.Com](#)

Created by Nodus Labs, using the open-source free [Gephi](#) software and [Sigma.Js](#) toolkit.

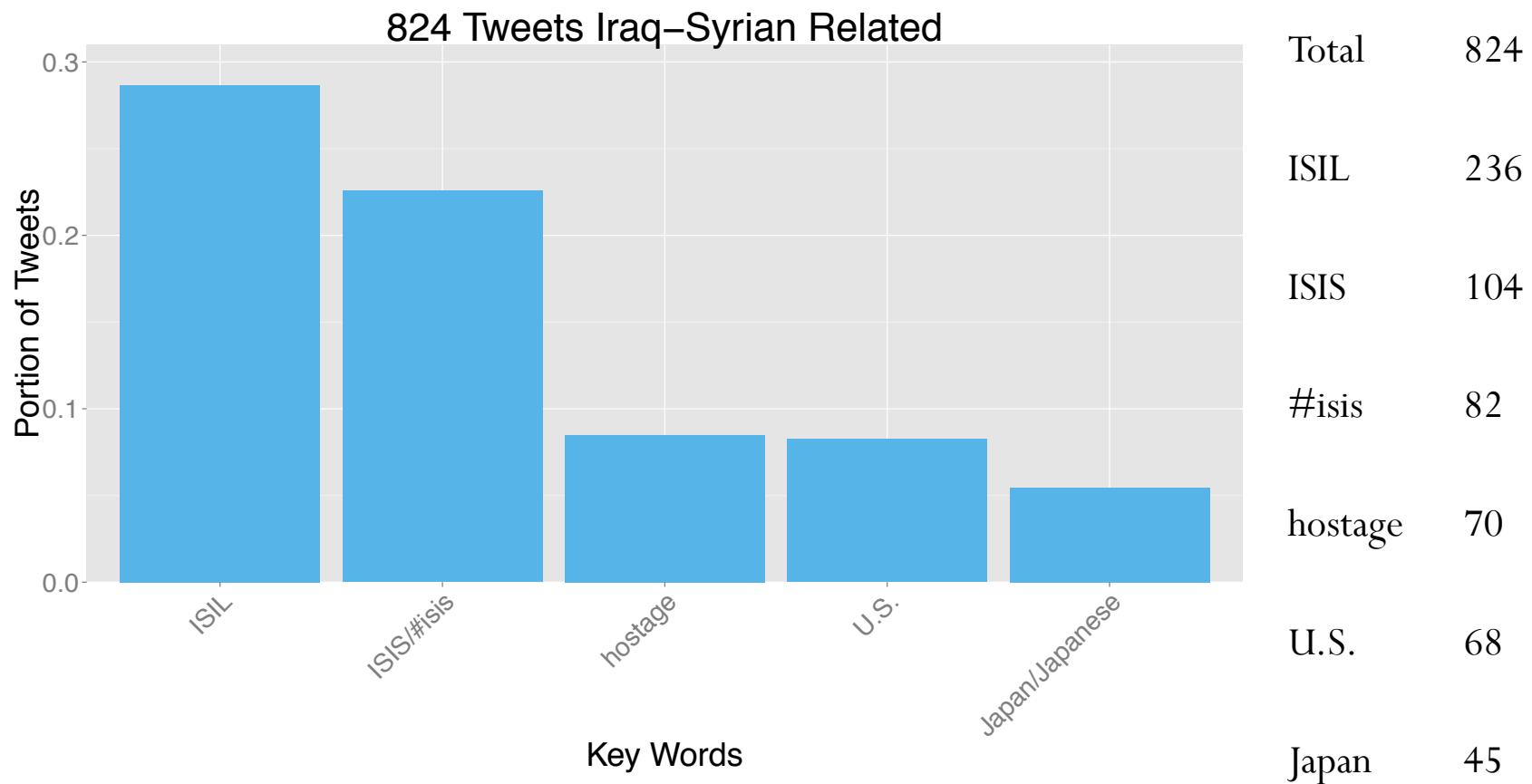
Methodology:

- Remove “stopwords”
- Remove extra characters and turns every word into its morpheme
- Encode words as nodes and encode co-occurrence by connecting the nodes.

Most influential keywords in this text:

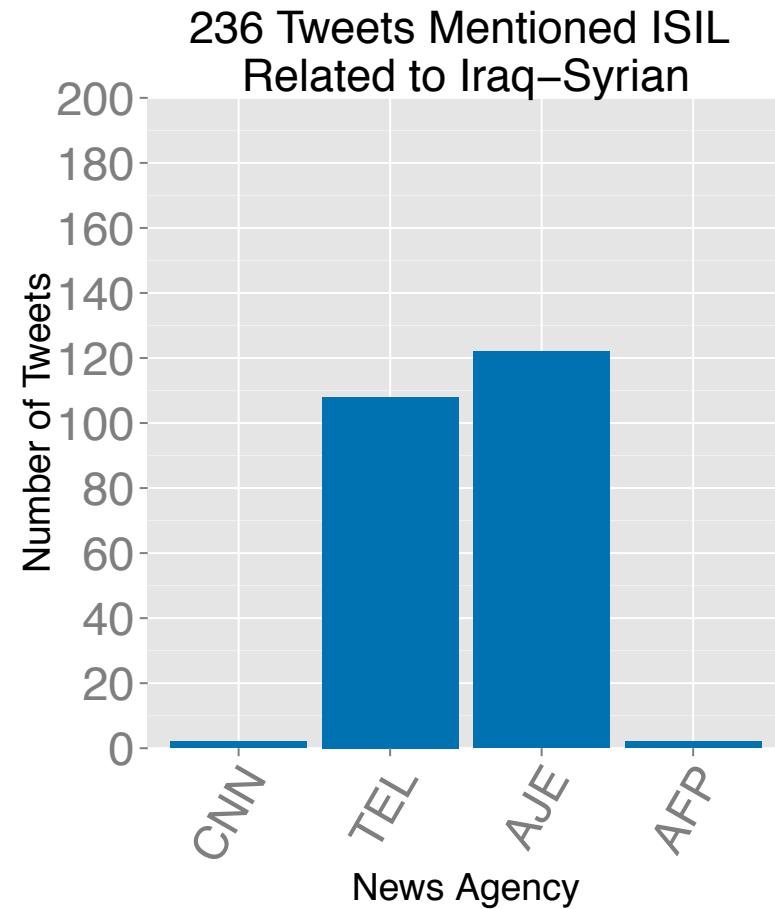
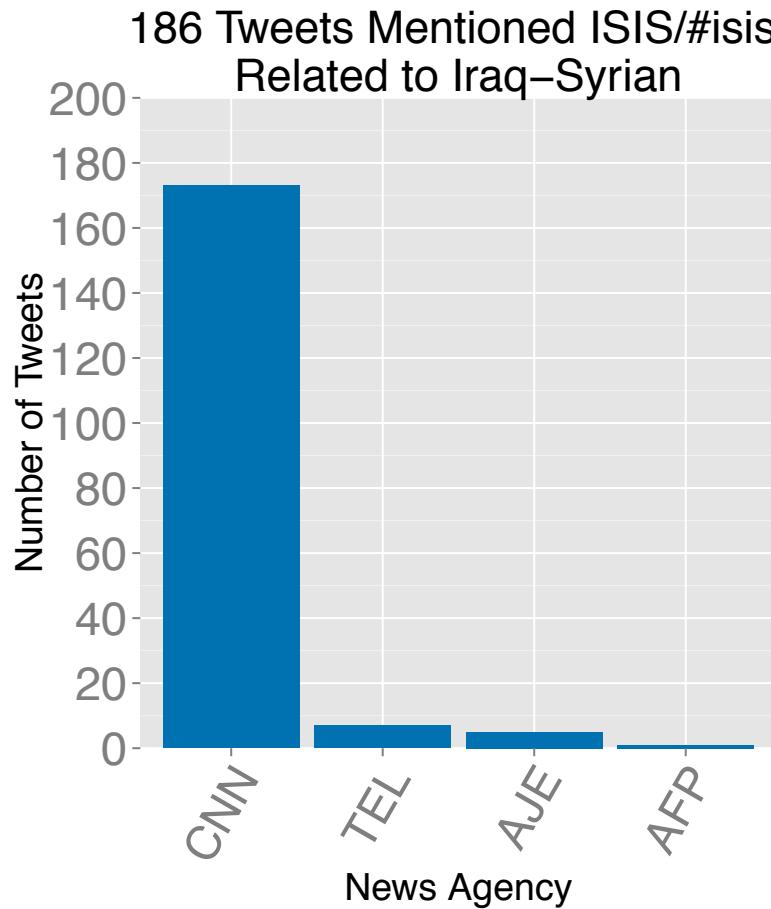
- **Ukraine**
- **Russia**
- **Russian**
- **Rebel**

Iraq-Syrian Region



Compare Across Agencies

- CNN prefers to use ISIS or #isis
- Telegraph and Al Jazeera prefer to use ISIL



Conclusion

- Domestic

- Similar topic

- Difference focus

- Different attitude.

- International

- Difference in topics at location

- Agencies have different choice of words.