

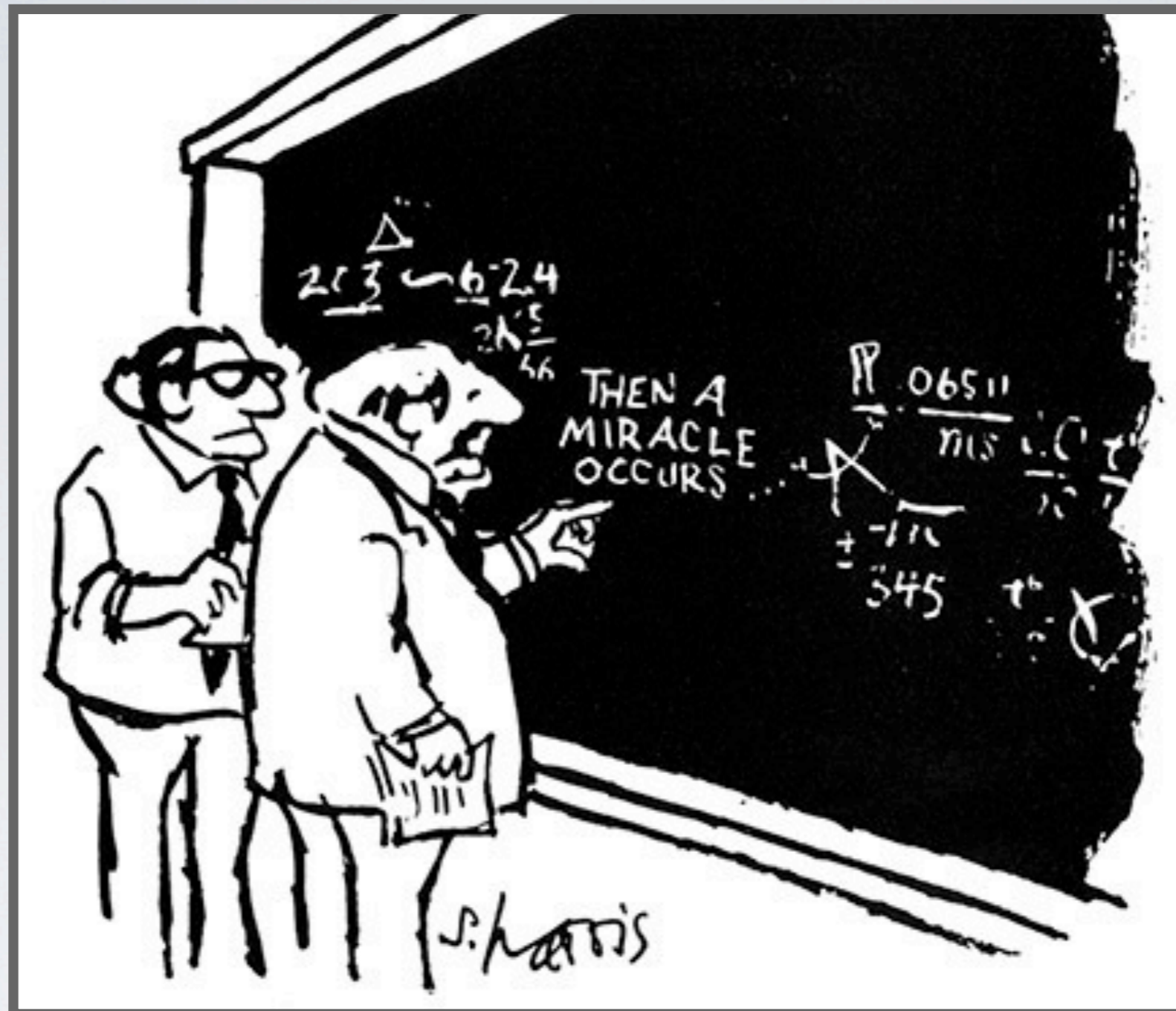
LAST WEEK ON IO LAB



Find a group for project 4.
Come up with any cool ideas?

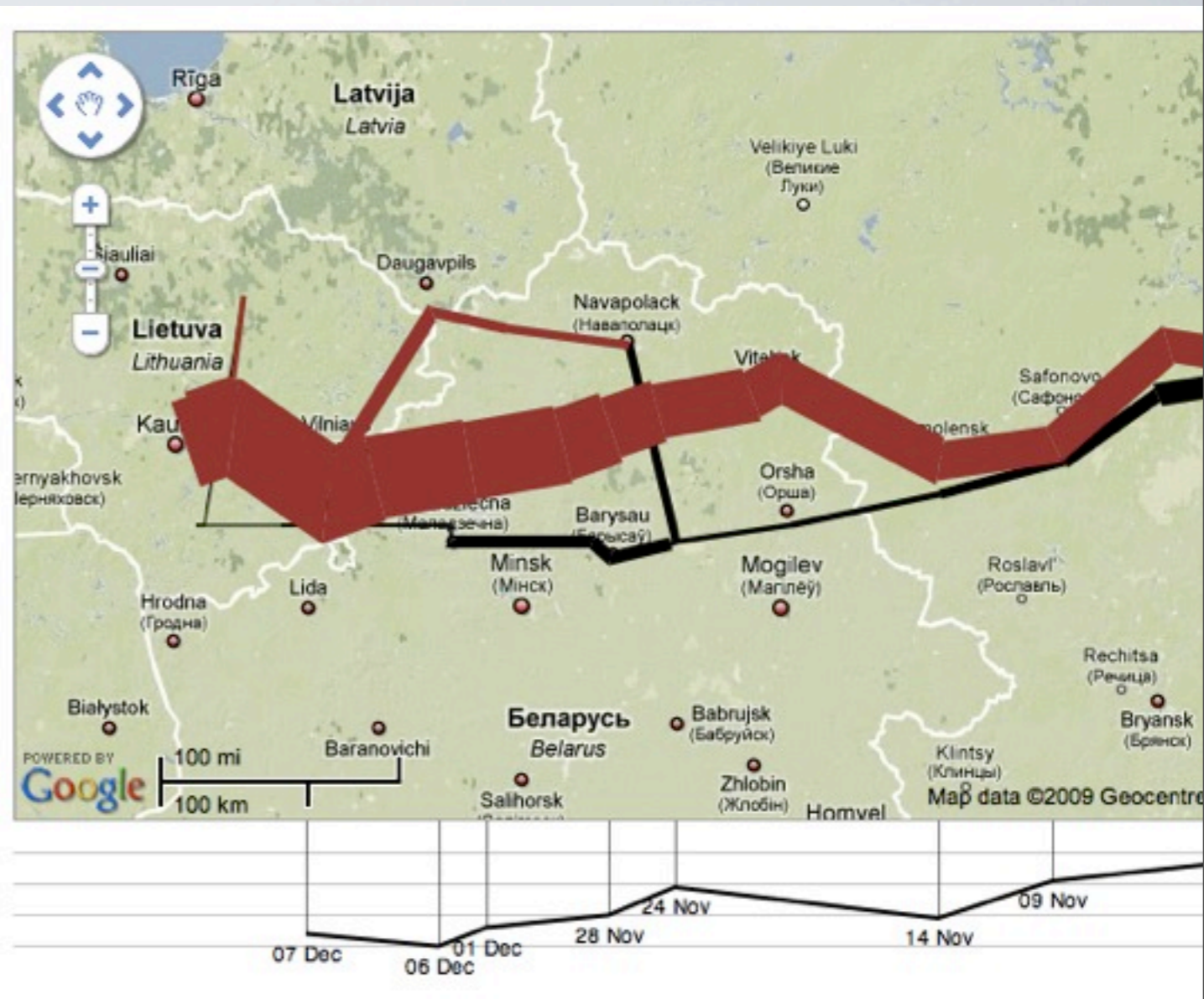
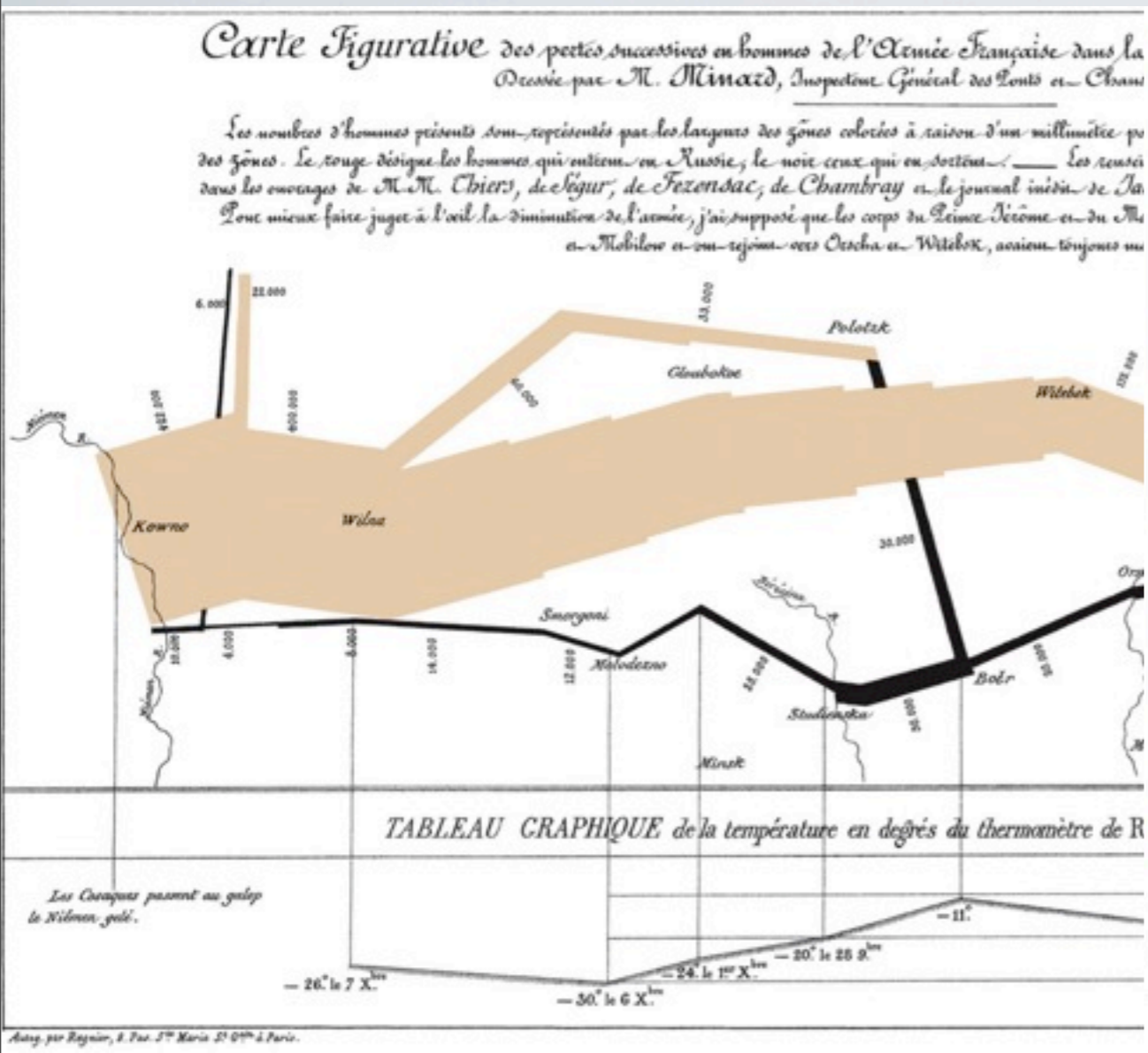


INFORMATION ORGANIZATION LAB

Cartoon courtesy of [Sidney Harris](#)

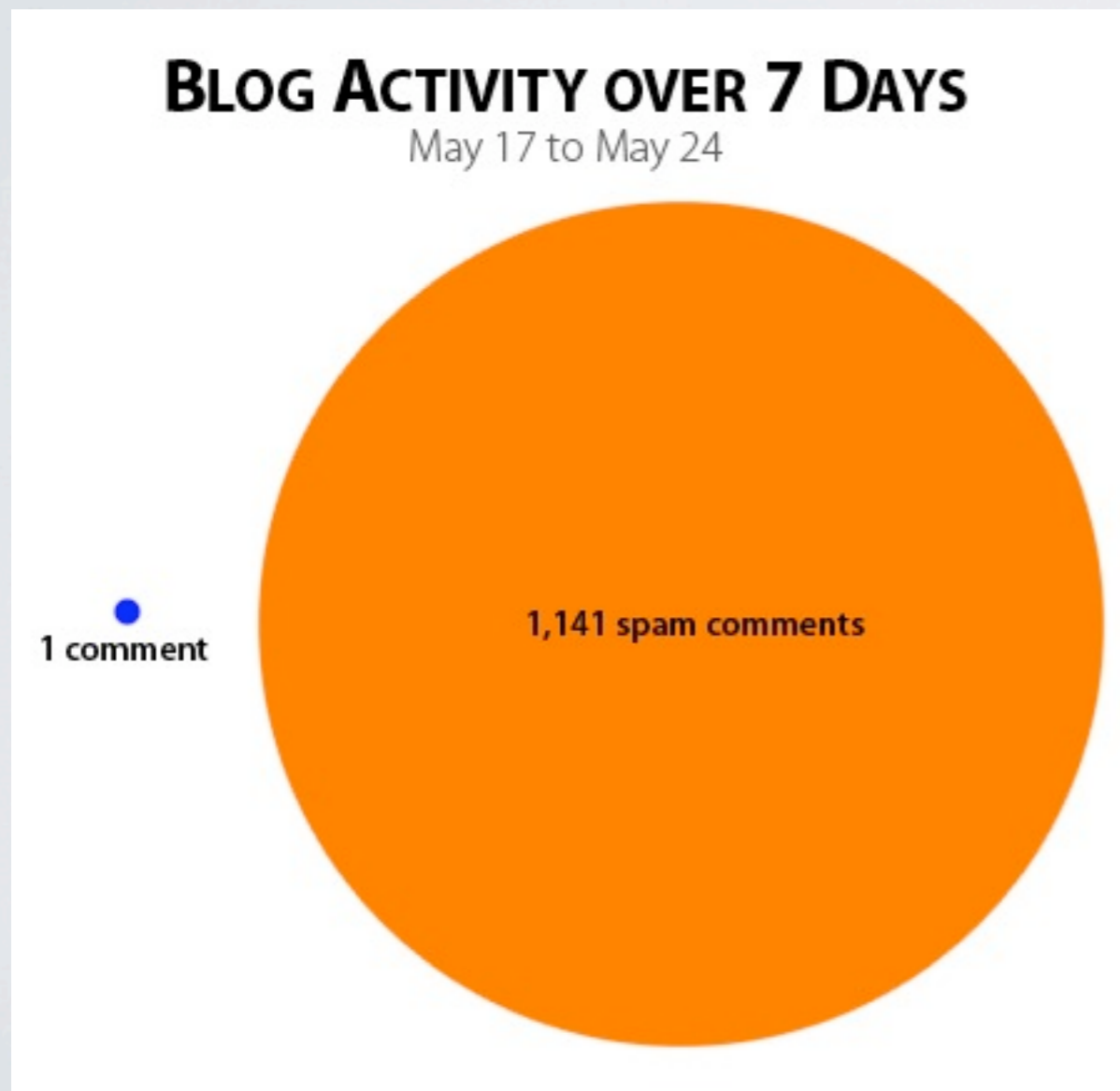
NOTES ON PROJECT 3

We encourage you to reuse existing code—there's no need to spend time reinventing the wheel. Do be careful when copying code. Remember to provide citation in your comments, both as a matter of credit and assisting people who will need to read your code in the future.



COMPARING VISUALIZATIONS

DO YOU NEED A VISUALIZATION?



1,141 spam
comments
per actual
comment

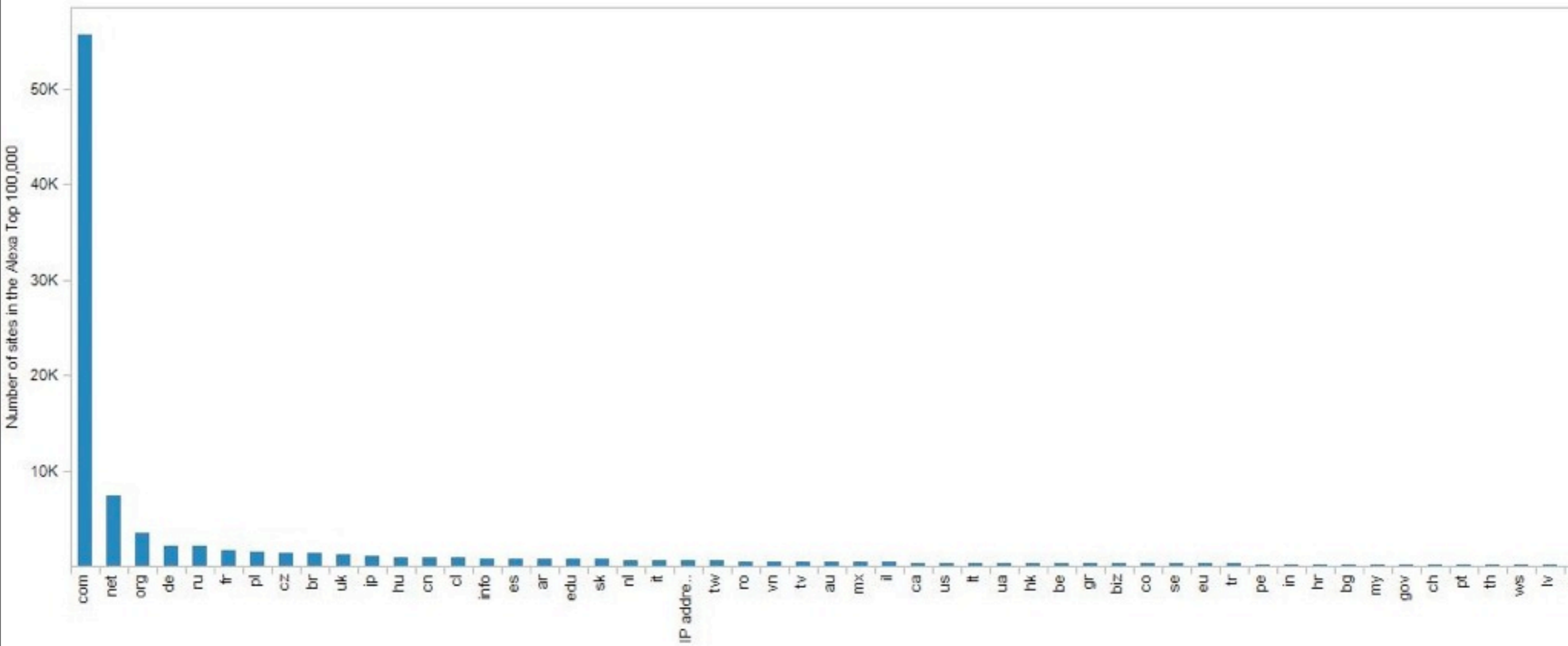
You should consider whether the data you are presenting would be aided by a visual representation. Are you presenting precise data or merely trying to convey a sense of scale?

Empirical studies show that people have much more difficulty comparing areas or volumes than linear sizes.

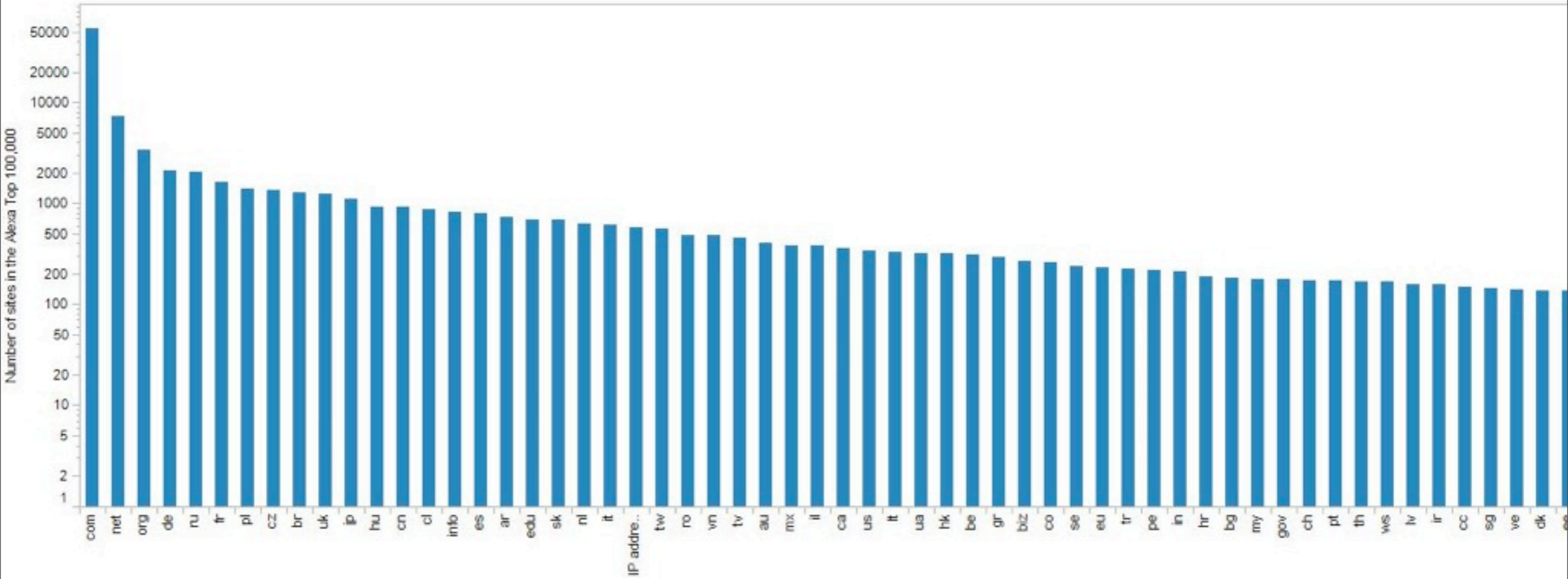
CONSIDER THE STORY YOU WANT TO TELL

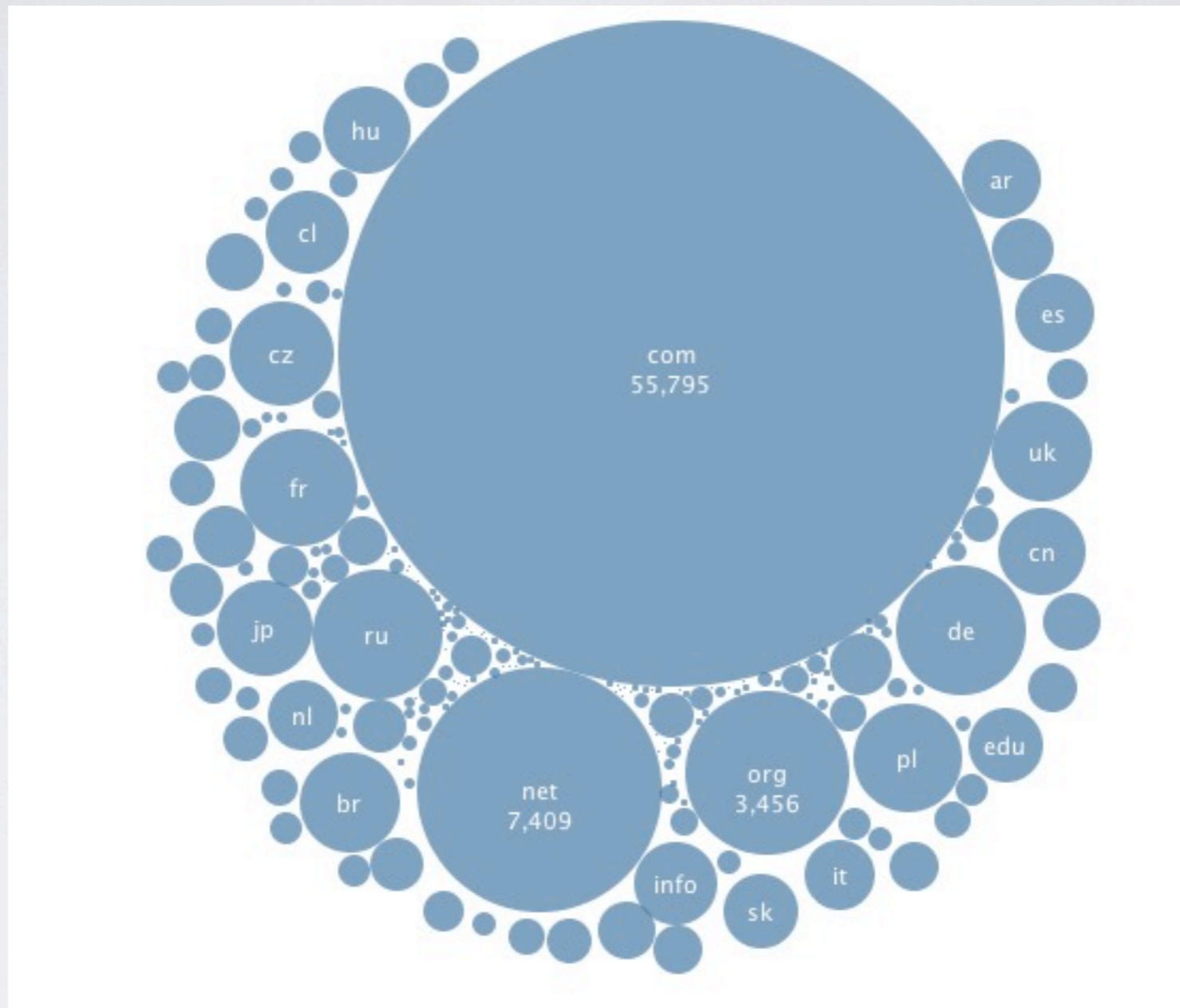
“i don't want to highlight anything specific.”

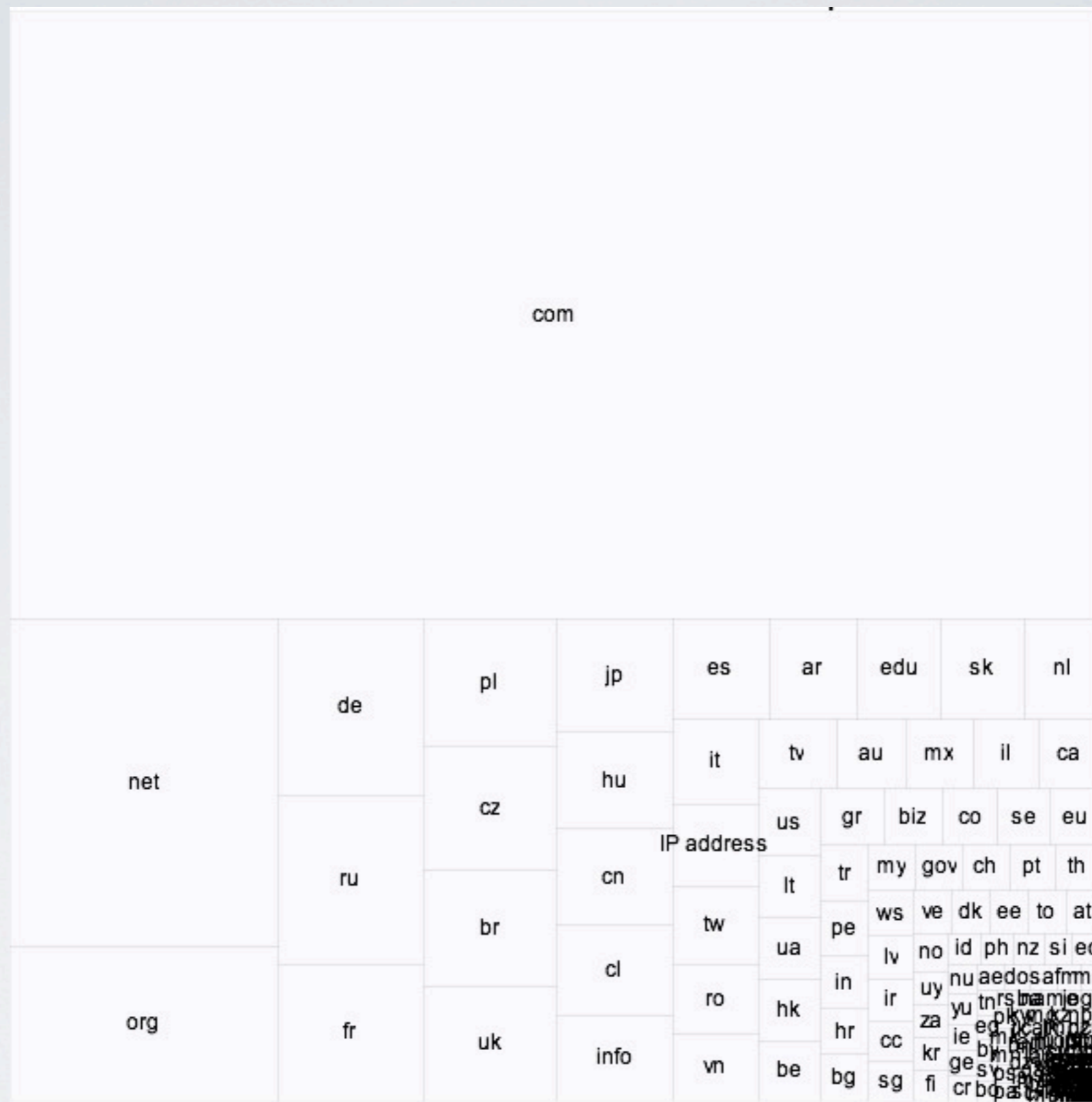
“i just want to show people data they might find interesting.”



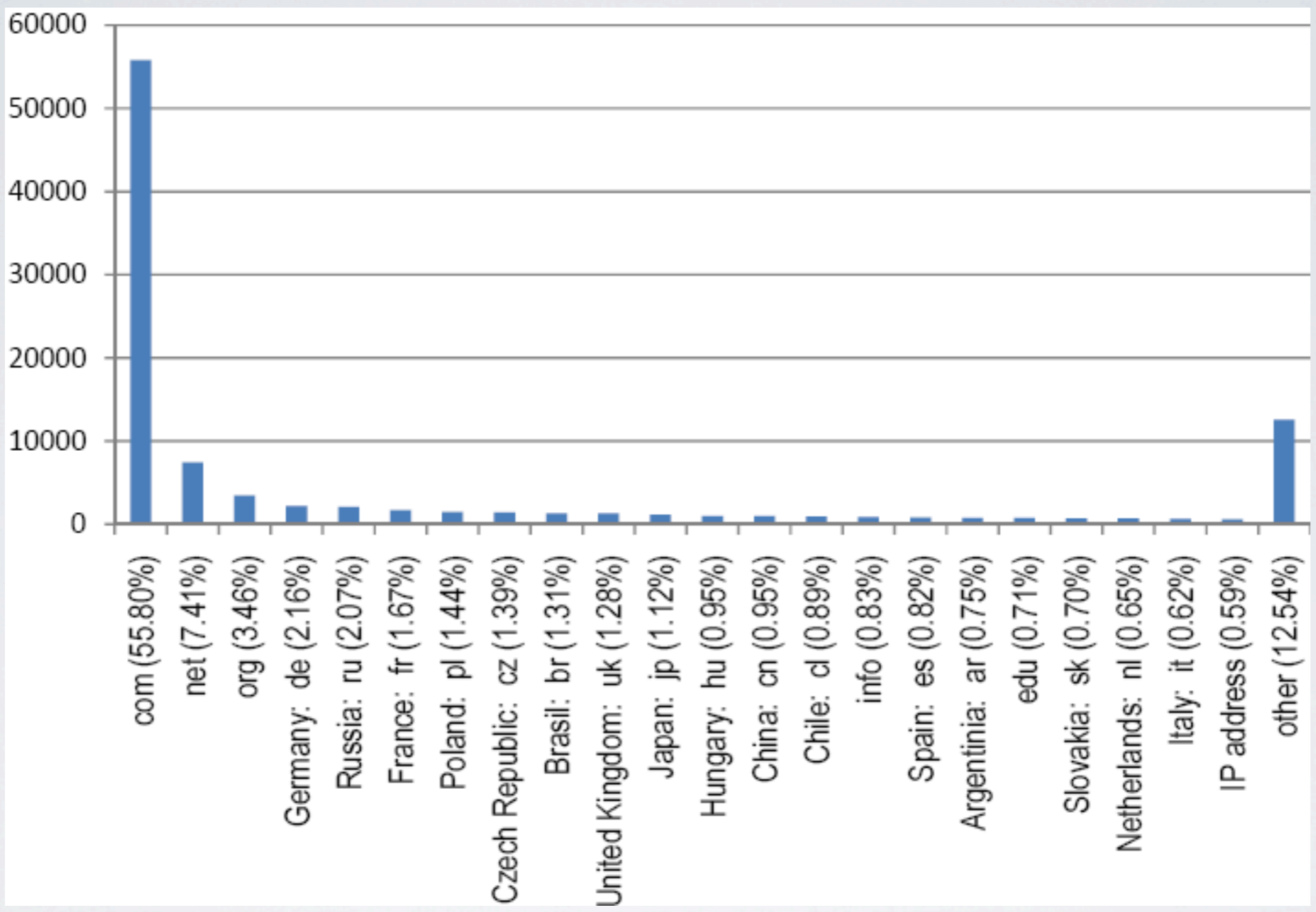






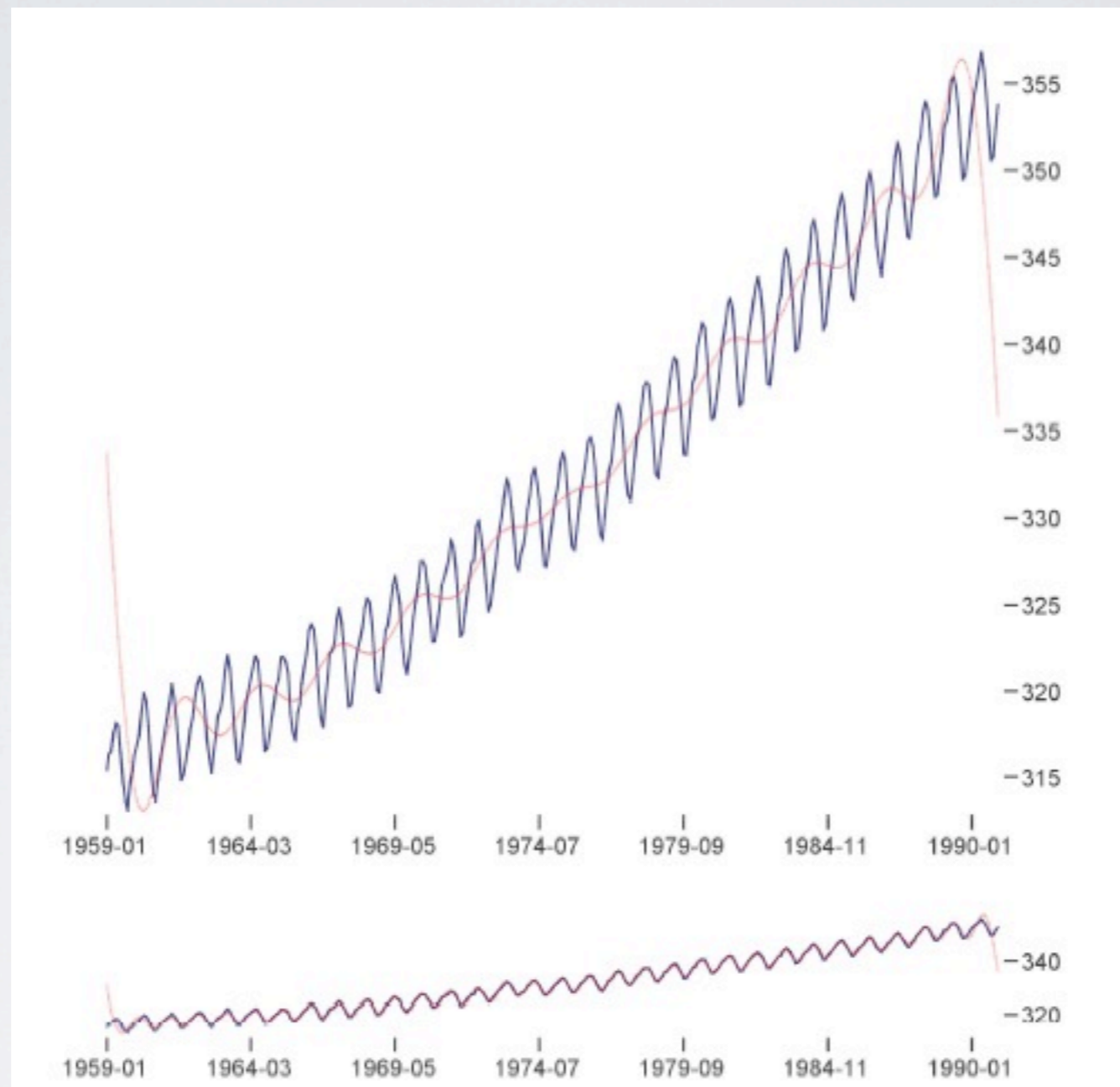


Treemap chart advantage: you can easily see that .com represents half of the sample set.

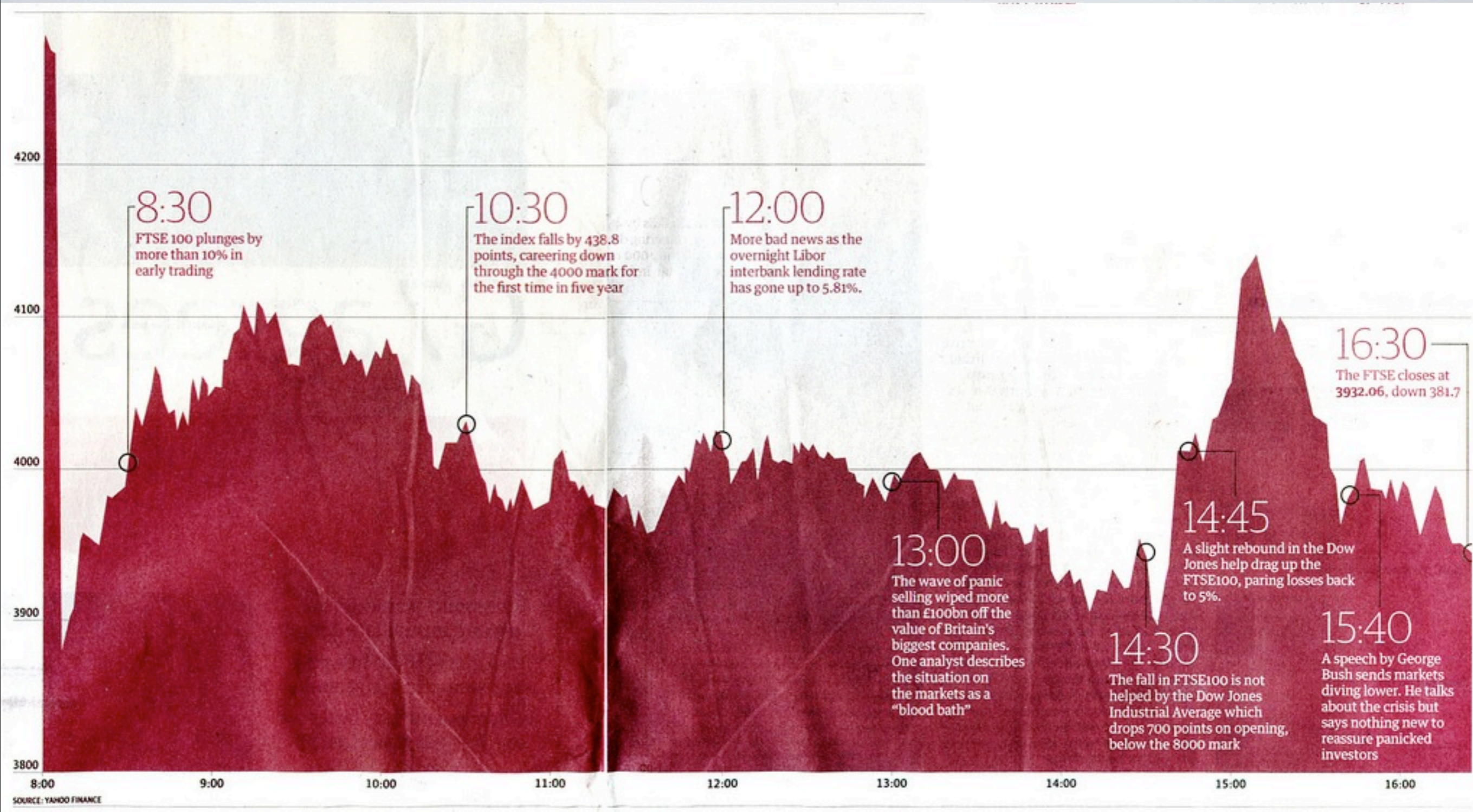


Top Level Domain	Number in Alexa Top 100,000
com	55,795
net	7,409
org	3,456
de	2,155
ru	2,061
fr	1,664
pl	1,433
cz	1,390
br	1,306
uk	1,274
jp	1,111
hu	944
cn	941
cl	890
info	823
es	813
ar	747
edu	701
sk	698
nl	643

A simple data view.



Banking to 45°. By Jeff Heer and Maneesh Agrawala. See <http://vis.berkeley.edu/papers/banking>.



“fundamentally misleading ... it lies”

Image from <http://www.flickr.com/photos/35034346050@N01/2932821996>

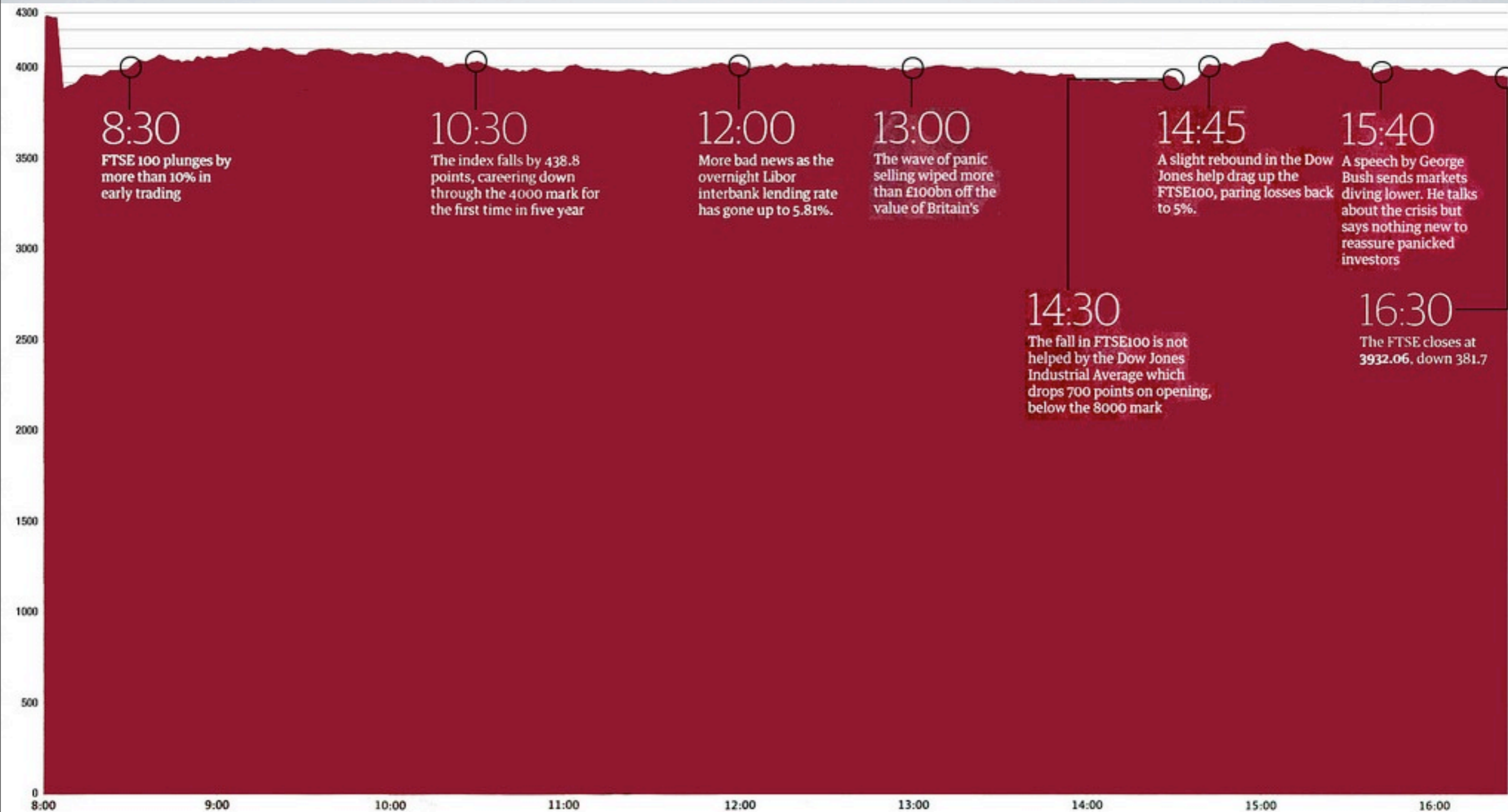


Image from <http://www.flickr.com/photos/35034346050@N01/2931964129>

SURVEY



We want your feedback!

PROJECT 4 RESOURCES

- Wikipedia disambiguation pages
- Flickr API

Wikipedia disambiguation pages at http://en.wikipedia.org/wiki/Category:All_article_disambiguation_pages. There are tens of thousands of pages and topics. Useful example: a Google search for “!” returns nothing; there are a dozen entries on the disambiguation page for “!”.

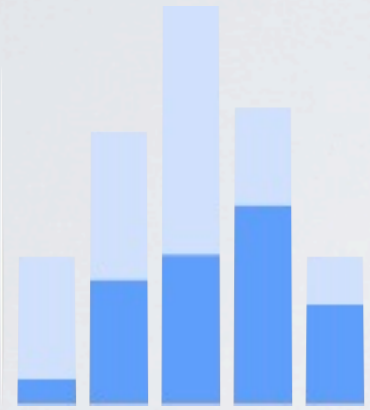
Flickr API demo. Sign up for a Flickr API key at <http://www.flickr.com/services/apps/create/apply>. Documentation at <http://www.flickr.com/services/api>.

Some calls require more complex authentication than others. If you want to modify a user's Flickr data, then there's a relatively complex authentication mechanism. If you're really interested, you can take a look, but if you're on a deadline, don't re-invent the wheel: there are libraries for just about every language you can think of.



Service for interacting with users on the phone. You write an XML document specifying what you want the users to hear (text-to-speech or MP3s), and what input you want to receive from them (speech-to-text or keypresses).

FOR NEXT WEEK



**Project 4 is due at noon on
Tuesday.**