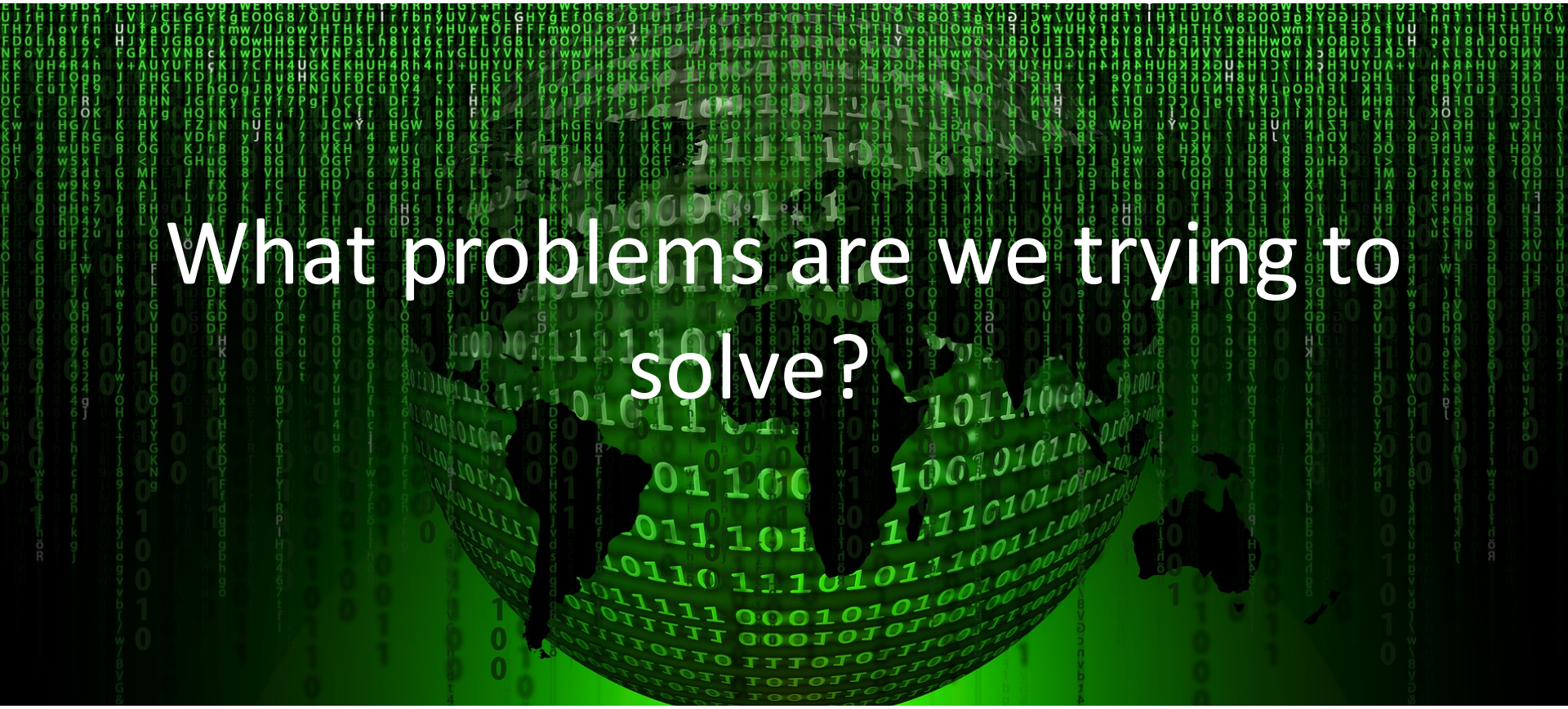
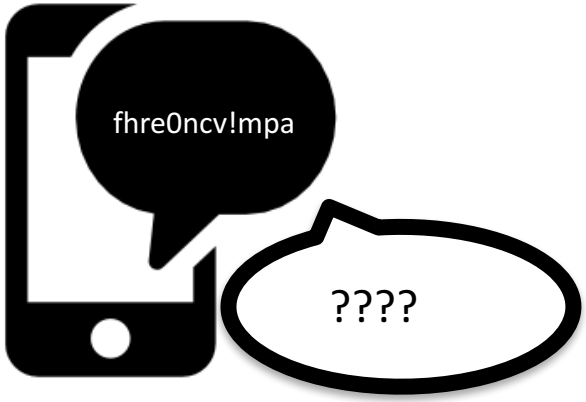
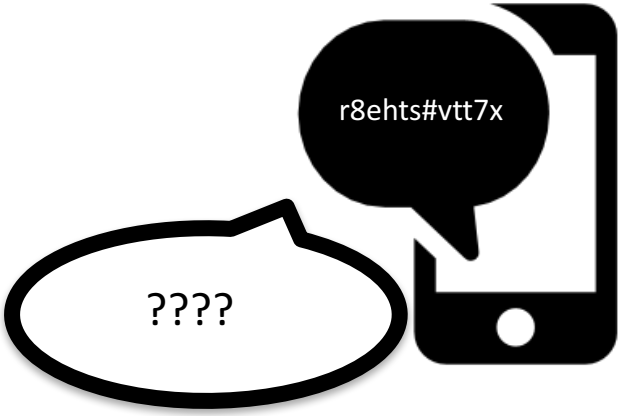
SEMANTIC TECHNOLOGY

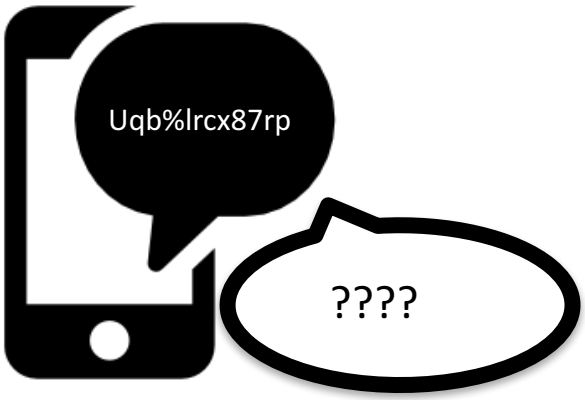


Short answer: We need to effectively automate the processes of finding, exchanging, disseminating and working with data.

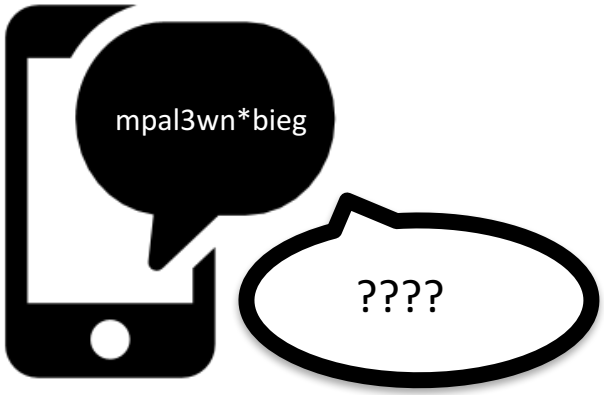
Controlled Vocabularies
Ontologies
Reasoning Engines(?)


fhre0ncv!mpa
????

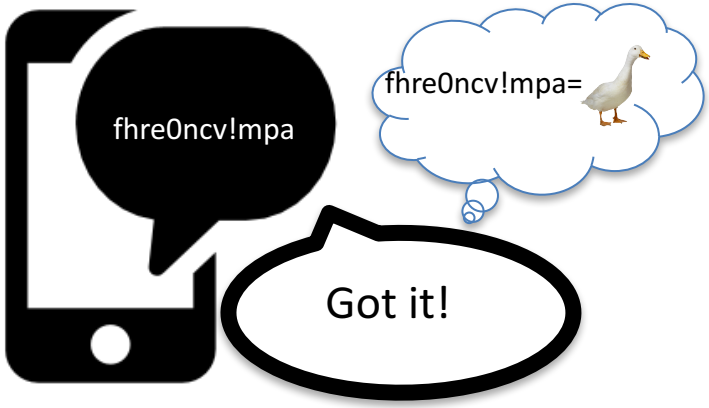

r8ehts#vtt7x
????

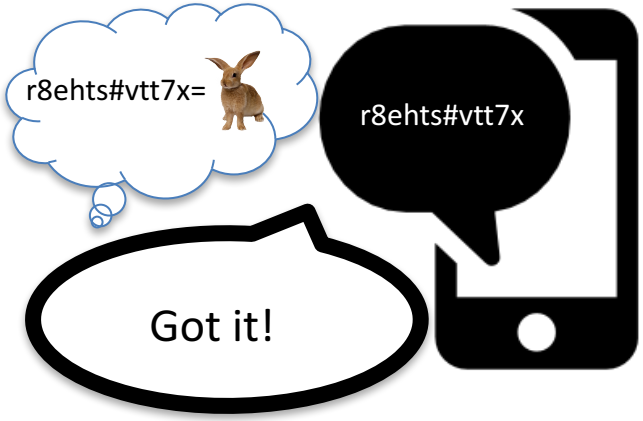

Uqb%lrcx87rp
????

ywefi$alvn2
????

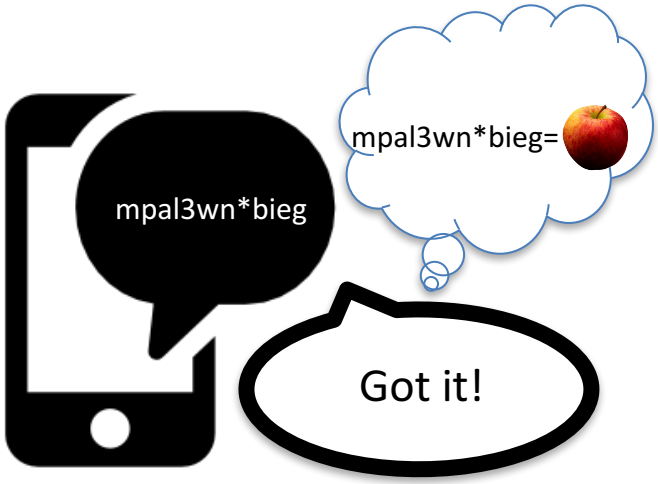

mpal3wn*bieg
????

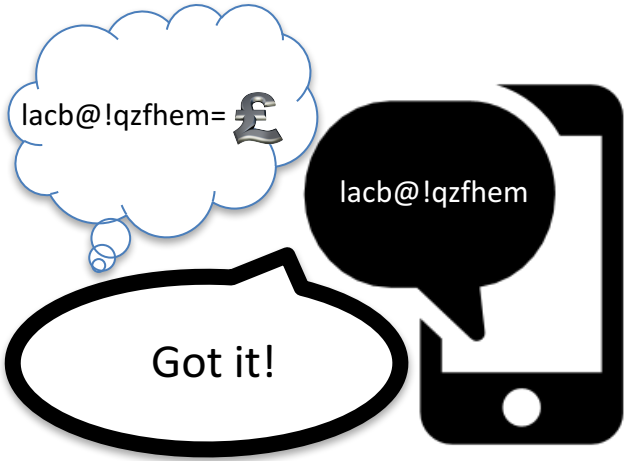
lacb@!qzfhem
????


fhre0ncv!mpa
fhre0ncv!mpa=
Got it!


r8ehts#vtt7x=
r8ehts#vtt7x
Got it!

Uqb%lrcx87rp
Uqb%lrcx87rp=
Got it!
ywefi$alvn2=
ywefi$alvn2
Got it!


mpal3wn*bieg
mpal3wn*bieg=
Got it!


lacb@!qzfhem=
lacb@!qzfhem
Got it!

Add meaning and:

World Wide Web→ Semantic Web

"The Web can reach its full potential only if it becomes a place where data can be shared and processed by automated tools as well as by people." https://www.w3.org/2001/sw/Activity

Linked Data→
Meaningfully Linked Data

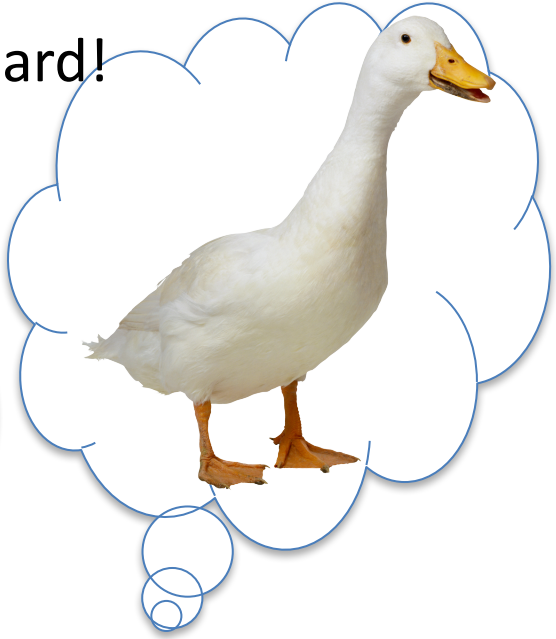
Search→
Intelligent Search

Statistical Analyses→ Entity Recognition, Classification Systems

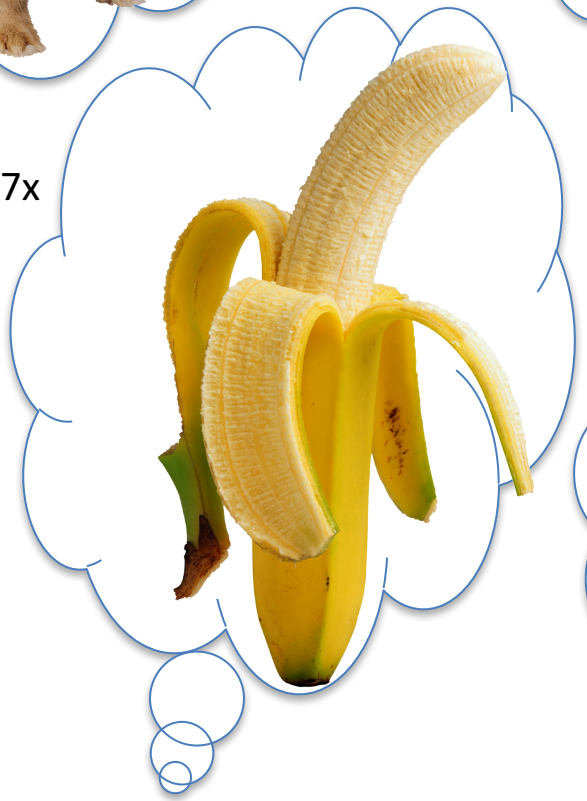
Getting there has proven to be hard!

r8ehts#vtt7x

ywefi$alvn2

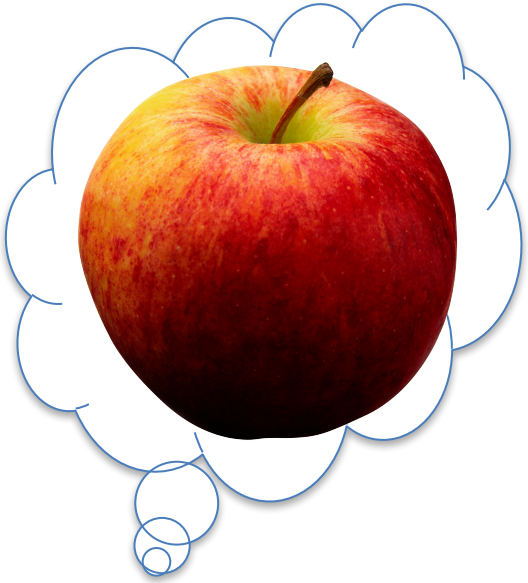


mpal3wn*bieg

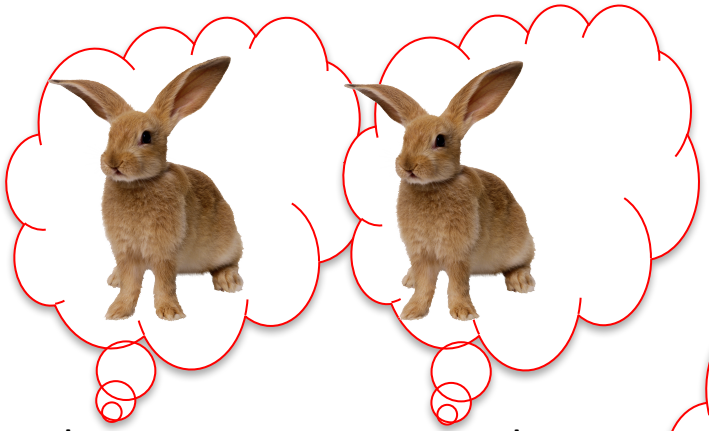


Uqb%lrcx87rp

fhre0ncv!mpa



lacb@!qzfhem



r8ehts#vtt7x

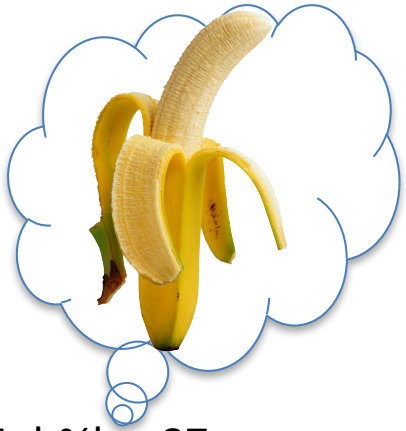
7ytw4ugd

ywefi$alvn2

fhre0ncv!mpa

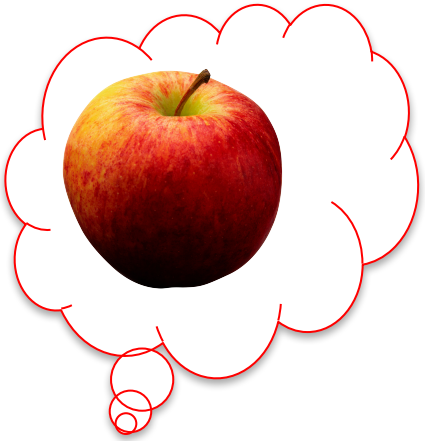
fhre0ncv!mpa

wivydfh4z

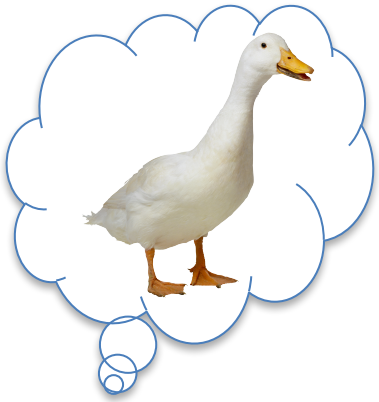


Uqb%lrcx87rp

lacb@!qzfhem



lacb@!qzfhem



mpal3wn*bieg

wivydfh4z
1 lb
Got it!

Linked Data
Search
Natural Language Processing
Machine Learning
Controlled Vocabularies
Ontologies
Computational Semantics

Where to go from here?

Urge everyone to think about semantics in terms of the big picture:

How do we overcome the current barriers to success:

-Adoption
-Scalability
-Integration

How do we bring semantics to bear on real-life use cases?