

Riccardo Scalco

Zadig

### **TELL ME project**

was a 7th Framework EU funded project, ended on 2015, January 31st, aimed to develop evidence-based models for improved risk communication during infectious disease outbreaks.









### **ASSET**

(Action plan on Science in Society related issued in Epidemics and Total pandemics) is a four-year Mobilization and Mutual Learning Action Plan (MMLAP) project funded by the European Commission.

Action plan on Science in Society related issues in Epidemics and Total pandemics



THE PROJECT ▼ RESOURCES ▼ OUTPUTS ▼ MEDIA ▼ VIDEO ACTION PLAN CALENDAR NEWS AND COMMENTS ▼





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Social media play a major role in any kind of communication, including health communication. ASSET aims to exploit their potentiality in order to pursue its own objectives.

## **MOTIVATIONS**

- 1) Rapidly recognize and evaluate relevant data streams in the field of Health.
- 2) Discover new trends and most influential users on the short period.



1,066

FOLLOWING 79

FOLLOWERS 168 FAVORITES 294 LISTS 3

## Jane G @janeG\_MSF

gist with MSF in London



### Photos and videos







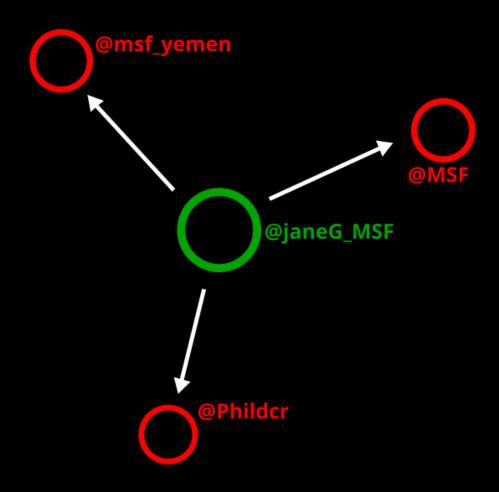
Tweets Tweets & replies Photos & videos

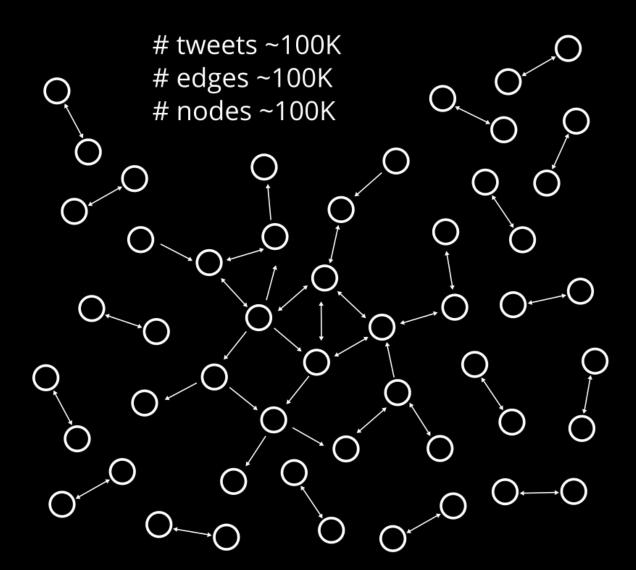


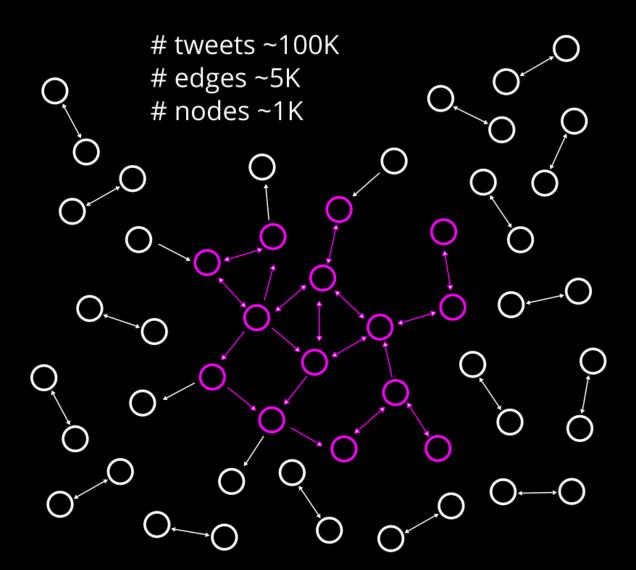


#MSFsci It @Phildcr vrap-up ref. to Henrietta Lacks perplexed you: her

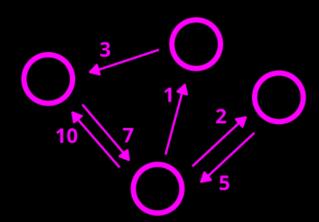
# Retweets and mentions define links among users

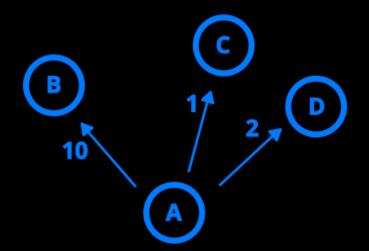












# TRANSITION PROBABILITIES AMONG NODES

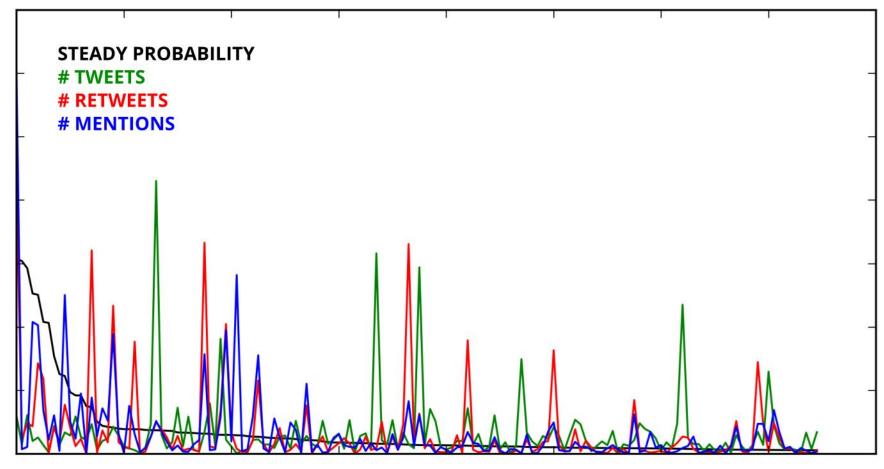
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$$T_{AC} = 1 / 13$$

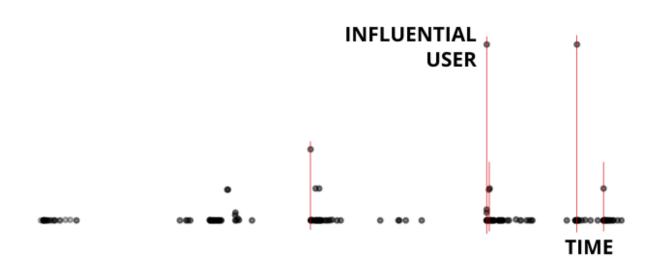
$$T_{AB} = 2/13$$

STEADY STATE OF A FINITE ERGODIC MARKOV CHAIN

$$p = p T$$

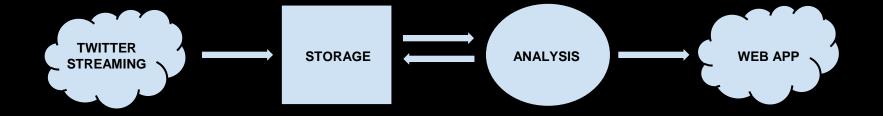


# RETWEETS AND MENTIONS ACHIEVED DURING TIME



## METHOD PROPERTIES

- focus on the user visibility on the discussion
- discover influential users on the short period
- avoid popular irrelevant users
- find single person account, like scientists or journalists





### FRONTLINE @frontlinepbs

FRONTLINE Investigative journalism that questions, explains & changes our world. Now streaming more than 170 documentaries online:

http://t.co/TpGq9ztqTp

ENGAGEMENTS 130 FOLLOWERS 143K



#### Sheri Fink @sherifink

Author of Five Days at Memorial and War Hospital. MD. Correspondent for the New York Times. Email your story ideas: sheri.fink@nytimes.com

ENGAGEMENTS 23 FOLLOWERS 2856



### Doctors w/o Borders @MSF\_USA

Providing medical aid where it's needed most.

ENGAGEMENTS 15 FOLLOWERS 473K



### Ebola Deeply @Eboladeeply

Ebola Deeply is a collaborative news and information platform designed to tell the full story of the Ebola outbreak.

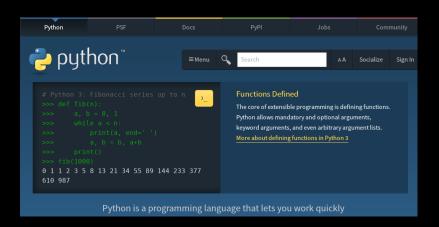
ENGAGEMENTS 19 FOLLOWERS 5808

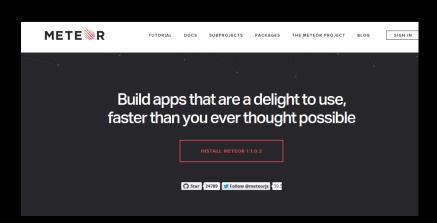


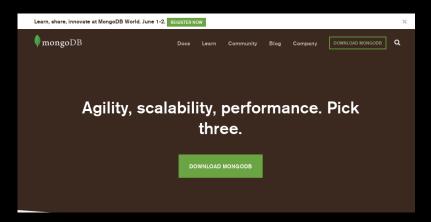
### Dan Edge @mongoosedan

Documentary Filmmaker, PBS Frontline, BBC and others

ENGAGEMENTS 7 FOLLOWERS 194









# Thanks

ACKNOWLEDGEMENTS Sergio Cima, Zadig

### **REFERENCES**

Equilibrium distribution from distributed computing (simulations of protein folding)

J Phys Chem B. 2011 May 19;115(19):6358-65

http://riccardoscalco.github.io/

http://zadig.it/