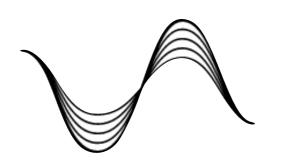
Twitter-Informed Disaster Relief

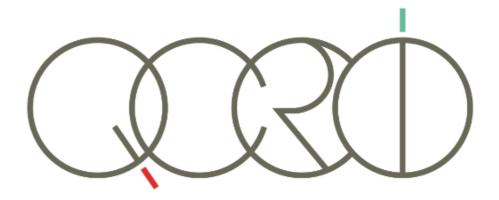
Extracting useful information from social media during crises



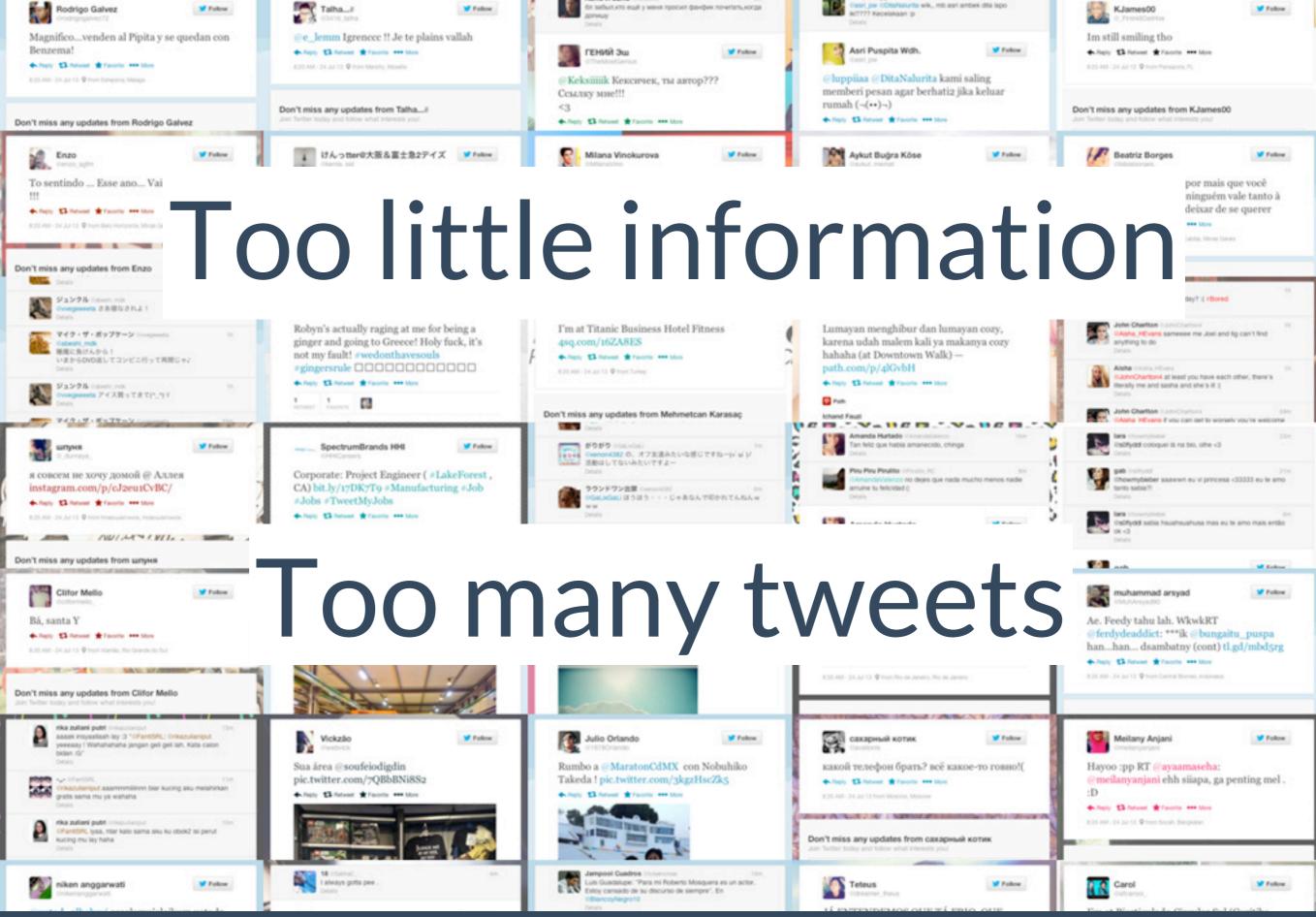
The Eric & Wendy Schmidt

Data Science for Social Good

Summer Fellowship 2013



معهد قطر لبحوث الحوسبة Qatar Computing Research Institute



_ Z

Enlarge with Free trial.

> Just two pills for instant satisfaction - Last more than an hour today http://rotaryu

Jul 10

VS.



Rayid Ghani

> Re: Data Science for Social Good Summer Fellowship: You've been accepted!

Apr



ye with Free trial .

> Just two pills for instant satisfaction - Last more than an hour today http://rotaryu

Jul 10

VS.



> Re: Data Science for Social Good Summer Fellowship: You've been accepted!

Apr

RT @DaphneUn: Awesome. Go NYC. RT @pourmecoffee: Empire State Building shines in the dark like a boss. http://t.co/HLuLBWo5 #sandy

VS.

Wider shot of scaffolding toppling car on CPW and 92nd across from Central ParkNYC @nowthisnews #sandy http://t.co/ivkExinW

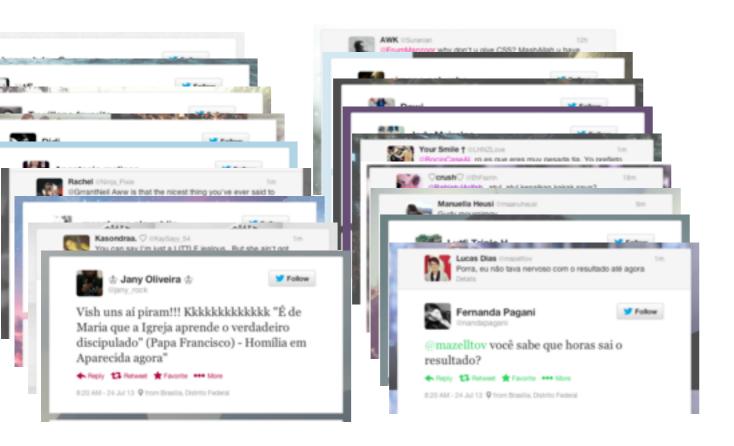


RT @DaphneUn: Awesome. Go NYC. RT @pourmecoffee: Empire State Building shines in the dark like a boss. http://t.co/HLuLBW05 #sandy

VS.

Wider shot of scaffolding toppling car on CPW and 92nd across from Central ParkNYC @nowthisnews #sandy http://t.co/ivkExinW

2. Clustering



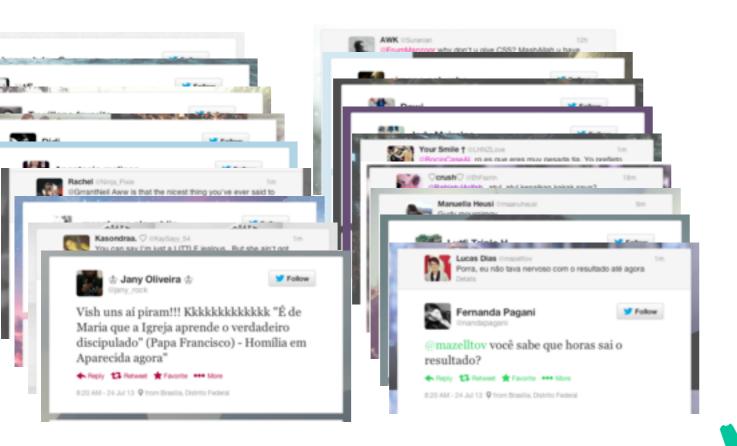
Wider shot of scaffolding toppling car on CPW and 92nd across from Central ParkNYC @nowthisnews #sandy http://t.co/ivkExinW

Wind gusts over 60 mph are being reported at Central Park and JFK airport in #NYC this hour. #Sandy

NYC firefighters look up at a collapsed crane dangling from a building | http://t.co/8abQk4SC #Sandy



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3. Information Extraction

Wider shot of scaffolding toppling car on CPW and 92nd across from Central ParkNYC @nowthisnews #sandy http://t.co/ivkExinW



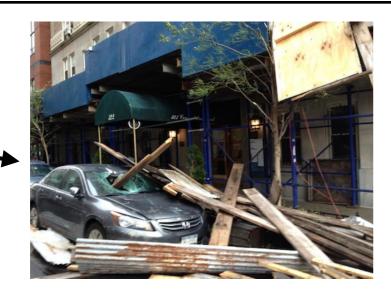


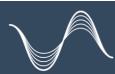
3. Information Extraction

Wider shot of scaffolding toppling car on CPW and 92nd across from Central ParkNYC @nowthisnews #sandy http://t.co/ivkExinW

What?

Vehicle





3. Information Extraction

Wider shot of scaffolding toppling car on CPW and 92nd across from Central ParkNYC @nowthisnews #sandy

http://t.co/ivkExinW

What?

Vehicle

Where?





Disastweet

VIEW DISASTERS

FILTER

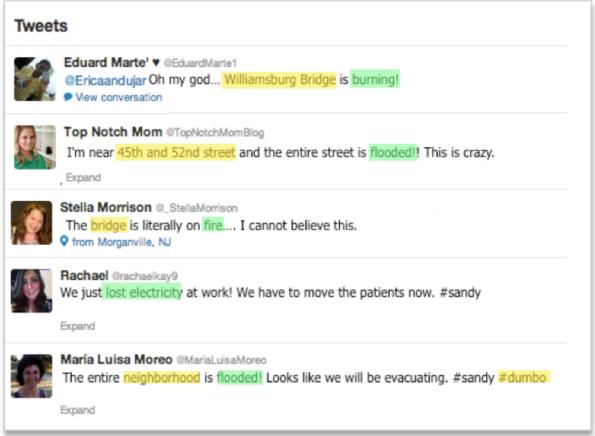
ABOUT

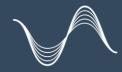
HELP

| Severity (1-5) | Entity Effected | Name of Entity | Type of Damage | Geo-location | Twitter Source Ids | Date and Time Reported | Credibility of Source(s) (1-10) |
|-------------------|--------------------|--|----------------|-----------------------|---|---------------------------|---------------------------------------|
| 5 | Bridge | Williamsbur g Bridge | Fire/Burning | -79.8047, 22.5126 | 234, 12, 900234, 12, 900 | 6/19/13 12:30 am GMT | 9 |
| 2 | Intersection | 45 th & 52 nd Street, New York | Flooding | 163.5645, -48.6910 | 1093, <u>2768, 9330</u> | 6/18/13 11:45 pm GMT | 8 |
| 3 | Building | Long Beach Memorial Medical Center | No Electricity | -98.2095, 34.8838 | <u>8974, 7649,</u> | 6/15/13 03:30 am GMT | 7 |
| | Neighborhood | Dumbo, Brooklyn | Flooding | -103.0025, 33.6158 | 2045, 13342, 9103, 2855, 934, 102, 945, 1332, 9054 | 6/10/13 04:50 am GMT | 9 |









Thanks!

- Team
 - Zahra Ashktorab
 - Christopher Brown
 - Jit Nandi
- Mentor
 - Aron Culotta

github.com/dssg/tweedr



Supervised LDA

