

Subhabrata Mukherjee
Max Planck Institute for Informatics

Online User Generated Data



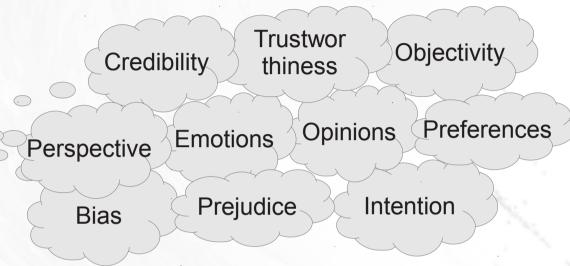






Online User Generated Data



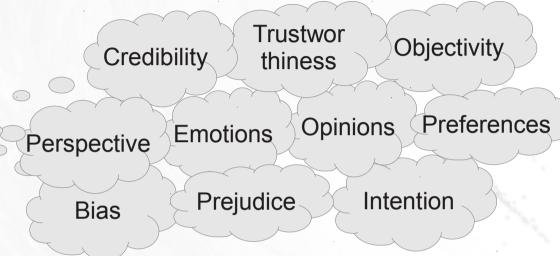






Online User Generated Data







Veracity?



Motivation

- 86% online users concerned about information veracity, more than 30% agree that information is not trustworthy
- 28% report frustration in retrieving relevant information, 40% concerned about quality and 20% did not understand

Motivation

- 86% online users concerned about information veracity, more than 30% agree that information is not trustworthy
- 28% report frustration in retrieving relevant information, 40% concerned about quality and 20% did not understand

Objective

Analyze joint interaction between user trustworthiness, objectivity of posts and credibility of statements therein

Motivation

- 86% online users concerned about information veracity, more than 30% agree that information is not trustworthy
- 28% report frustration in retrieving relevant information, 40% concerned about quality and 20% did not understand

Objective

Analyze joint interaction between user trustworthiness, objectivity
of posts and credibility of statements therein

Application

- Extracting drug side-effects from user posts in health community
- Identifying rumors, mis-information in news articles



Language vs. Credibility

Naive User

"I heard Xanax <u>can</u> have pretty bad side-effects. You <u>may</u> have peeling of skin, and apparently <u>some</u> friend of mine told me you <u>can</u> develop ulcers in the lips also. <u>If</u> you take this medicine for a long time then you <u>would probably</u> develop a lot of other physical problems. <u>Which</u> of these did you experience?"

Language vs. Credibility

Naive User

"I heard Xanax <u>can</u> have pretty bad side-effects. You <u>may</u> have peeling of skin, and apparently <u>some</u> friend of mine told me you <u>can</u> develop ulcers in the lips also. <u>If</u> you take this medicine for a long time then you <u>would probably</u> develop a lot of other physical problems. <u>Which</u> of these did you experience?"

Naive User

"I've had chronic depression off and on since adolescence. In the past I've taken Paxil (made me anxious) and Zoloft (caused insomnia and stomach problems, but at least I was mellow). I have been taking St. John's Wort for a few months now, and it helps, but not enough. I wake up almost every morning feeling very sad and hopeless. As afternoon approaches I start to feel better, but there's almost always at least a low level of depression there throughout the day."



Katy @KatyinIndy · 29 Jun 2012

By March 2013, Obamacare requires you to like up to implant your RFID chip is.gd/RN7vQR #cot #gop #teaparty #sgp #tlot

Expand

◆ Reply ♣ Retweet ★ Favorite ••• More



Raw Milk Colorado @RawMilkColorado · 29 Jun 2012

@dmmckinney Hoax. metabunk.org/threads/497-De...

View conversation.

♠ Reply ★ Retweet ★ Favorite ••• More



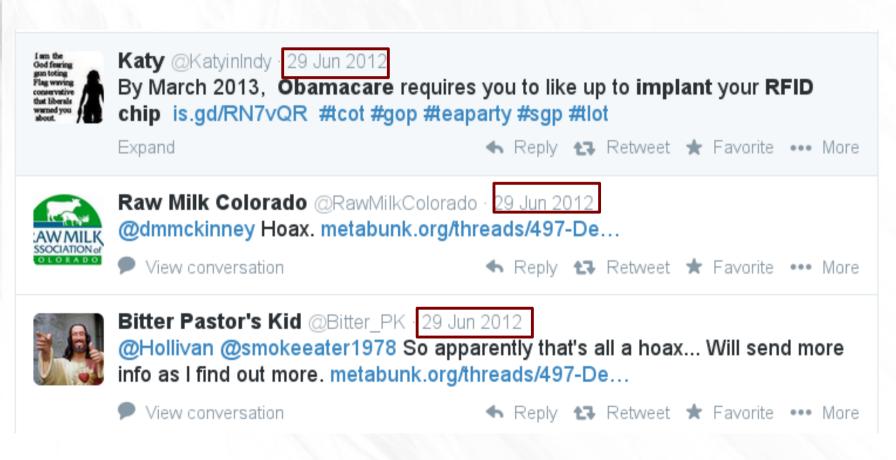
Bitter Pastor's Kid @Bitter PK · 29 Jun 2012

@Hollivan @smokeeater1978 So apparently that's all a hoax... Will send more info as I find out more, metabunk.org/threads/497-De...

View conversation

♠ Reply ★ Retweet ★ Favorite ••• More















PageRank (Network Features) vs. Credibility

☆ Whose Ox Is Gored?

WALL STREET JOURNAL by JOHN FUND | MAR. 19, 2007 (News Analysis)

The media discover the former vice president's environmental exaggerations and hypocrisy.

The media are finally catching up with Al Gore. Criticism of his anti-global-warming franchise and his personal environmental record has gone beyond ankle-biting bloggers. It's now coming from the New York Times and the Nashville Tennessean... Full Story »

Now We Know... Obamacare Includes 3.8% Tax On Home Sales For All Americans

S FIRST THINGS.COM by JIM HOFT MAY. 13, 2010

"We Have to Pass the Bill So That You Can Find Out What Is In It" Remember that line by Speaker Pelosi... It will come back to haunt you repeatedly in the days ahead. Now that it's been a few weeks since ...

☆ Obama tops Bush at ducking reporters

★ WASHINGTON TIMES by JOSEPH CURL | FEB. 22, 2010 (News Report)

President Obama, who pledged to establish the most open and transparent administration in history, on Monday surpasses his predecessor's record for avoiding a full-fledged question-and-answer session with White House reporters in a formal press conference. Full Story »

PageRank (Network Features) vs. Credibility

☆ Whose Ox Is Gored?

WALL STREET JOURNAL by JOHN FUND | MAR. 19, 2007 (News Analysis)

The media discover the former vice president's environmental exaggerations and hypocrisy.

The media are finally catching up with Al Gore. Criticism of his anti-global-warming franchise and his personal environmental record has gone beyond ankle-biting bloggers. It's now coming from the New York Times and the Nashville Tennessean... Full Story »

Now We Know... Obamacare Includes 3.8% Tax On Home Sales For All Americans

FIRST THINGS.COM by JIM HOFT MAY. 13, 2010

"We Have to Pass the Bill So That You Can Find Out What Is In It" Remember that line by Speaker Pelosi... It will come back to haunt you repeatedly in the days ahead. Now that it's been a few weeks since ...

☆ Obama tops Bush at ducking reporters

WASHINGTON TIMES by JOSEPH CURL | FEB. 22, 2010 (News Report)

President Obama, who pledged to establish the most open and transparent administration in history, on Monday surpasses his predecessor's record for avoiding a full-fledged question-and-answer session with White House reporters in a formal press conference. Full Story »

Summary

Network, generic IR word-level features not enough to measure credibility

Summary

Network, generic IR word-level features not enough to measure credibility

> Style, Content, Form of data need to be analyzed



Summary

Network, generic IR word-level features not enough to measure credibility

> Style, Content, Form of data need to be analyzed

Interaction¹ between users (network, perspectives ...), language of posts (style, form, content) and statements (truthfulness, knowledge-base) influence information veracity

