

Sentiment Analysis on Italian Tweets

Valerio Basile
31/5/2013

corpus

polarity
resource

sentiment
analysis

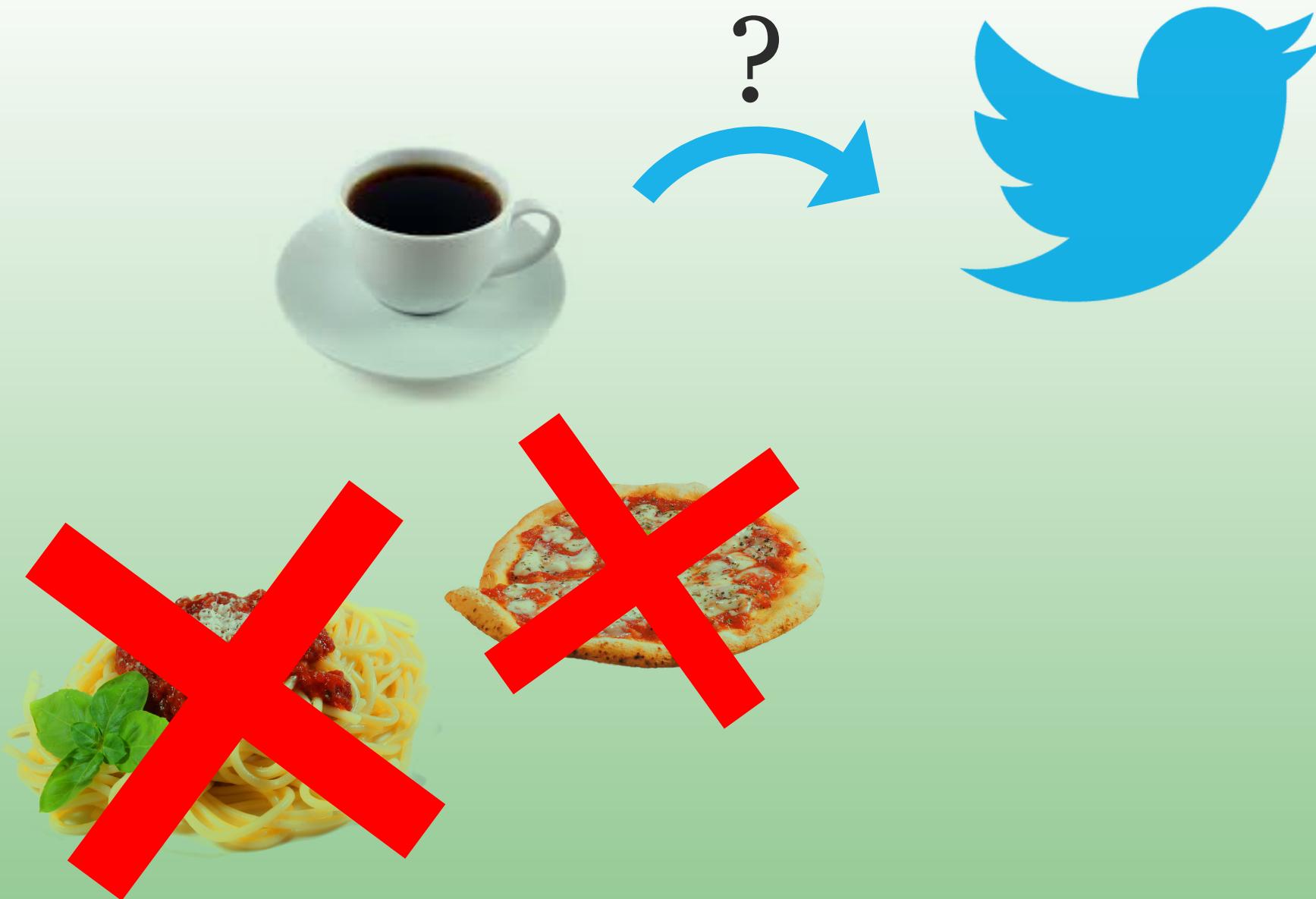
corpus

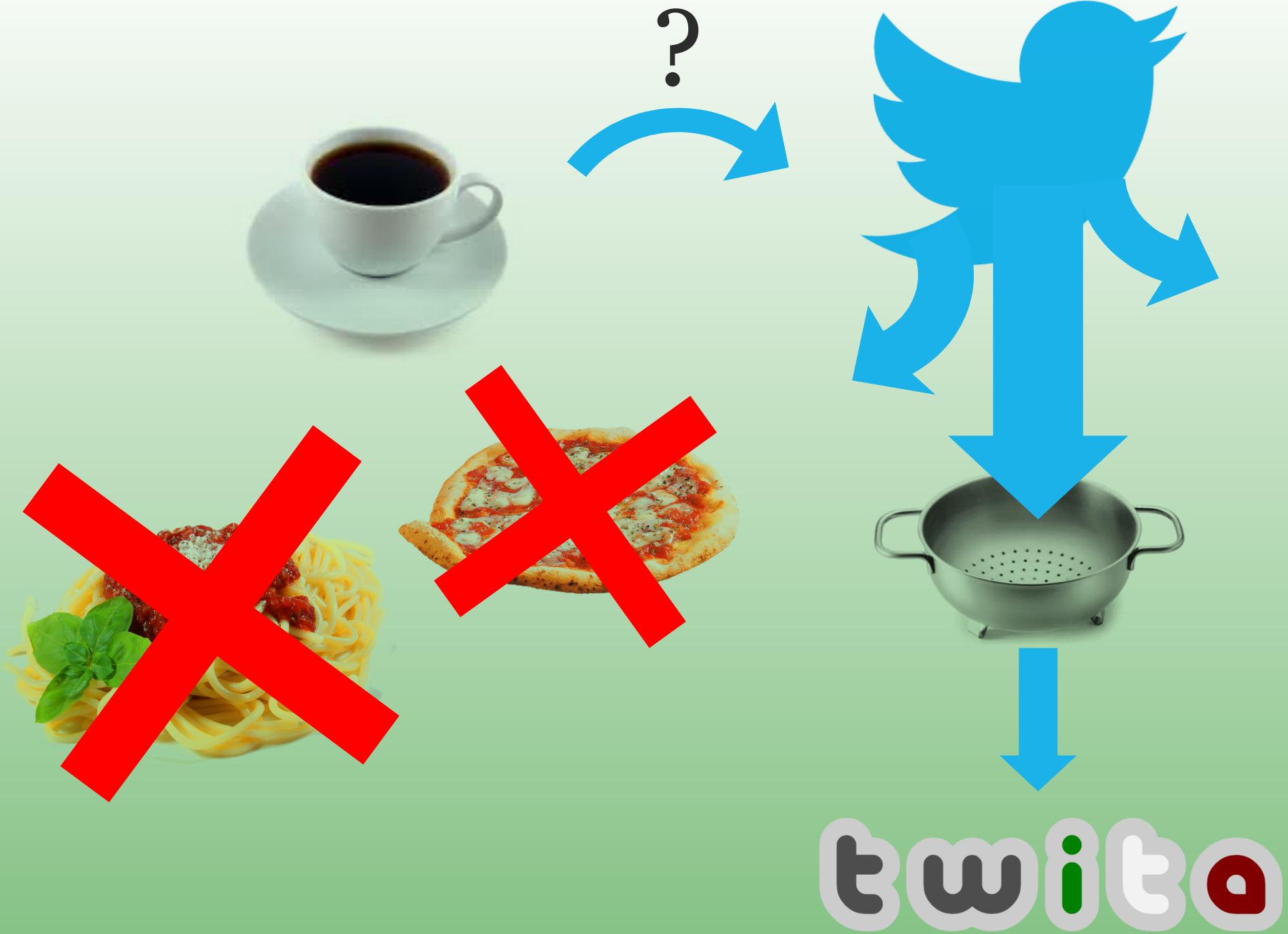
polarity
resource

sentiment
analysis











Pietro Salvatori
@PietroSalvatori



“@HuffPostItalia: #Grillo arrivato nel backstage
huff.to/1afz4P8 #m5s”

9:34 PM - 24 May 2013



username



A Twitter card featuring a profile picture of Pietro Salvatori, his name "Pietro Salvatori", his handle "@PietroSalvatori", and a "Follow" button. Below the card is a tweet from @HuffPostItalia.

Pietro Salvatori
@PietroSalvatori

Follow

“@HuffPostItalia: #Grillo arrivato nel backstage
huff.to/1afz4P8 #m5s”

9:34 PM - 24 May 2013



username



Pietro Salvatori
@PietroSalvatori

[Follow](#)

“@HuffPostItalia: #Grillo arrivato nel backstage
huff.to/1afz4P8 #m5s”

9:34 PM - 24 May 2013

timestamp



username



A Twitter card for a tweet from user @PietroSalvatori. The card includes the user's profile picture, name, handle, a 'Follow' button, the tweet text, and the timestamp.

Pietro Salvatori
@PietroSalvatori

Follow

“@HuffPostItalia: #Grillo arrivato nel backstage
huff.to/1afz4P8 #m5s”

9:34 PM - 24 May 2013

timestamp

... coordinates



mention

hashtag



Pietro Salvatori
@PietroSalvatori



“@HuffPostItalia: #Grillo arrivato nel backstage
huff.to/1afz4P8 #m5s”

9:34 PM - 24 May 2013

URL

verb

prep.

noun

twita



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Amo tutto di te... però ti odio

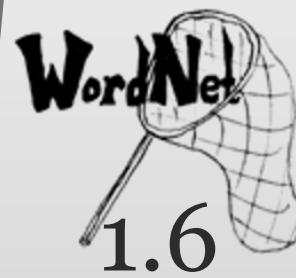
I love everything about you... but I hate you

Amo tutto di te... però ti odio

I love everything about you... but I hate you



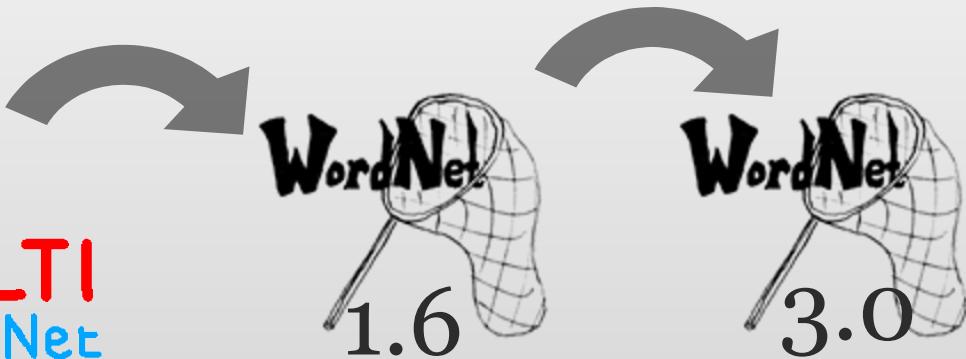
invidia (n) 00758335
invidia (n) 07549716



invidia (n) 00758335
invidia (n) 07549716

00758335 (n) envy, invidia (spite and resentment at seeing the success of another (personified as one of the deadly sins))

07549716 (n) envy, enviousness (a feeling of grudging admiration and desire to have something that is possessed by another)



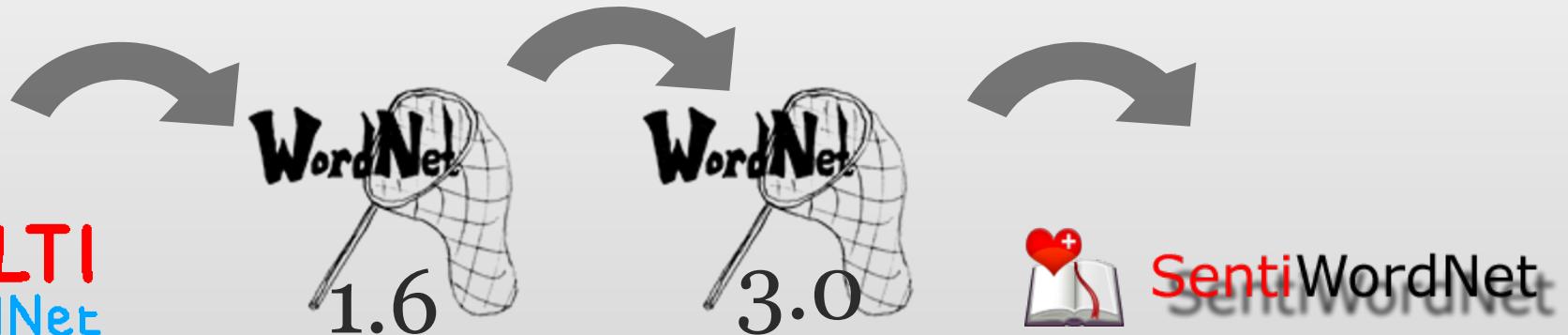
invidia (n) 00758335
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00758335 (n) envy, invidia (spite and resentment at seeing the success of another (personified as one of the deadly sins))

07549716 (n) envy, enviousness (a feeling of grudging admiration and desire to have something that is possessed by another)



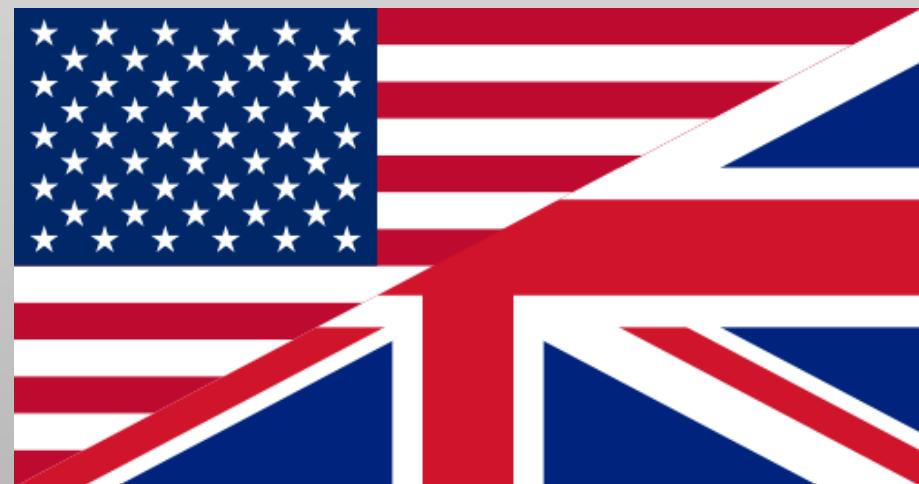
invidia (n) 00758335
invidia (n) 07549716



00758335 (n) envy, invidia (spite and resentment at seeing the success of another (personified as one of the deadly sins))
07549716 (n) envy, enviousness (a feeling of grudging admiration and desire to have something that is possessed by another)

n#00758335 0 0.5
n#07549716 0.625 0





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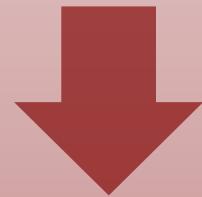
La noia della domenica non ha uguali
Nothing matches the Sunday boredom

La noia della domenica non ha uguali
noia
noia
noia
noia
noia

ha
ha
ha
non ha
non ha uguali

La noia della domenica non ha uguali

La noia della domenica non ha uguali



La **noia** della domenica **non ha uguali**
noia
noia
noia
noia
noia
noia

ha
ha
ha
non ha
non ha uguali
non ha
non ha
non ha

Polypathy

La **noia** della domenica **non ha uguali**
noia
noia
noia
noia
noia
noia

ha
ha
ha
non ha
non ha uguali
non ha uguali
non ha
non ha
non ha
non ha





#Grillo





polypathy



ambiguity



irony





Goto 0





twi~~to~~

Cold numbers

best accuracy: 0.505 (a)

	positive	negative	neutral
best prec	0.440 (r)	0.195 (v)	0.664 (nar)
best rec	0.701 (nva)	0.532 (var)	0.669 (a)
best f-score	0.485 (nvar)	0.262 (vr)	0.647 (a)

with polyphathy threshold

best accuracy: 0.554 (r)

	positive	negative	neutral
best prec	0.420 (r)	0.233 (v)	0.685 (nar)
best rec	0.714 (nvar)	0.457 (var)	0.785 (r)
best f-score	0.492 (nar)	0.296 (vr)	0.698 (r)

word	POS	polypathy
pauroso (<i>scary</i>)	adjective	1.060
colpo (<i>hit</i>)	noun	0.833
invidia (<i>envy</i>)	noun	0.795
dimenticare (<i>to forget</i>)	verb	0.707
materialista (<i>materialistic</i>)	noun	0.618
evitare (<i>to avoid</i>)	verb	0.530
vero (<i>true</i>)	adjective	0.375
educazione (<i>education</i>)	noun	0.310
combattere (<i>to fight</i>)	verb	0.265
onore (<i>honour</i>)	noun	0.233