

In Proceedings of

Task: Detecting Personalit Can a system automatically detect personal

- Stream of consciousness essays
- Facebook posts
- Twitter messages
- Blog or forum posts

System: Supervised Ma

Features Used

Mairesse Baseline: words per sentence, long words, type/token ratio, negations, assents, articles prepositions, numbers, pronouns, emotion words, cognition words, sensory and perceptual words, social processes words, time words, space words.

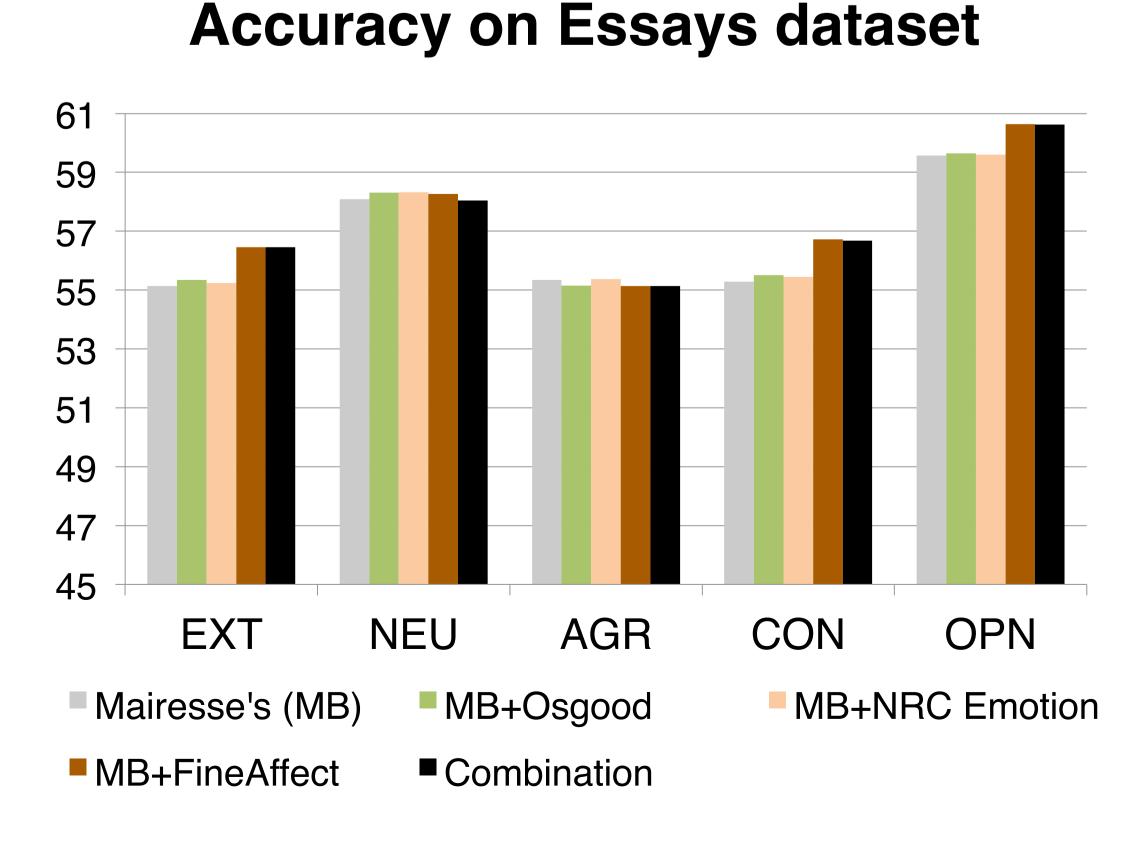
Unigrams: words

Specificity: Info. content of words in WordNet. **Coarse Affect:**

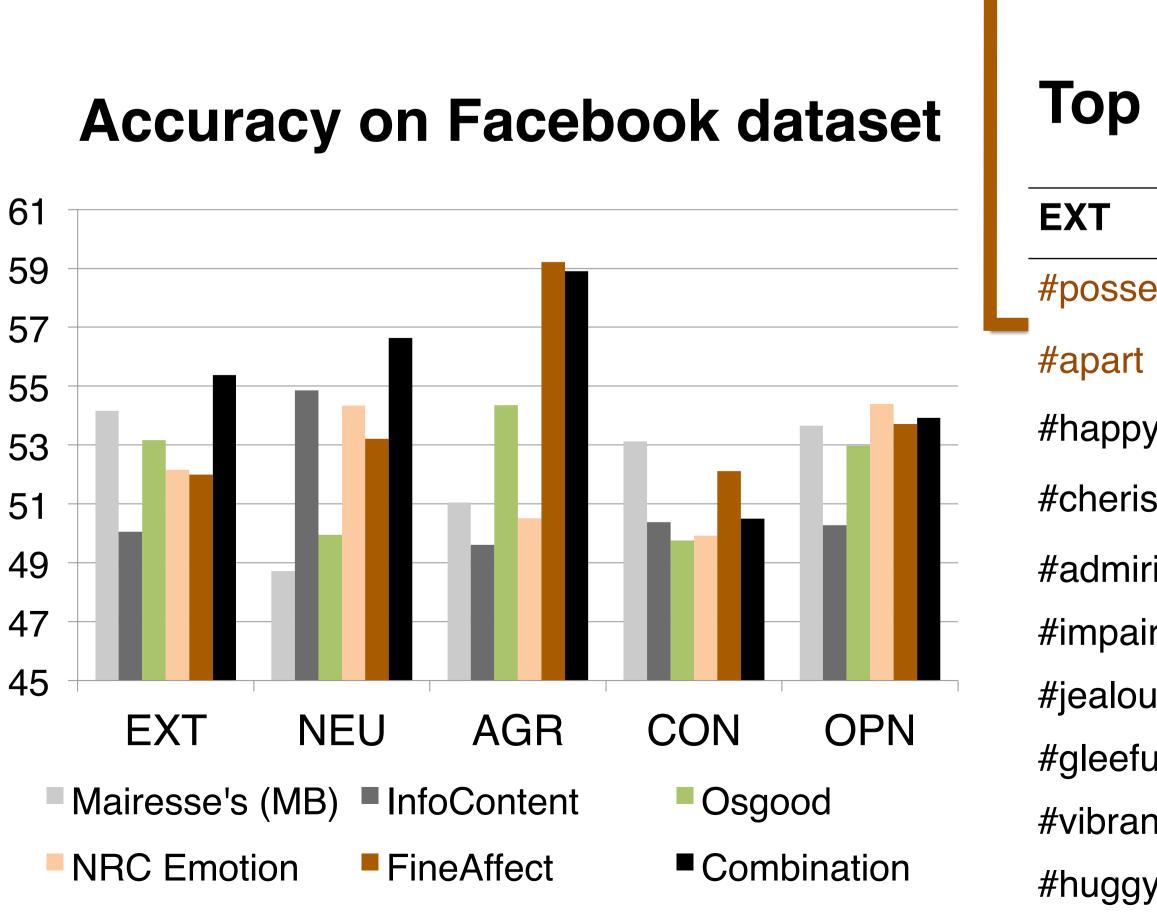
Osgood Lexicon (evaluative, activity, potency) NRC Emotion Lexicon (8 basic emotions) **Fine Affect:**

NRC Hashtag Emotion Lexicon (500 emotions)

Results and Analysis



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	<section-header><image/></section-header>	opennese consci	extr s to exper ientiousn motional	Derson oversion vs. ience vs. co ess vs. spon stability vs. vs. disagreea
	hine Learn Affect Lexic association.			sifier entiment pairs
S,	a.k.	evaluative a. sentiment pos, neg)	evaluative, activity, potency	basic emoti (joy, sadne fear, ange
	Sent automatically generated	RC Hashtag iment Lexicon	Osgood Lexicon	
5)	Lexic MP	RC Emotion con (pos, neg) QA Lexicon g Liu Lexicon		NRC Emotion I (8 emotion WordNet Af (6 emotion

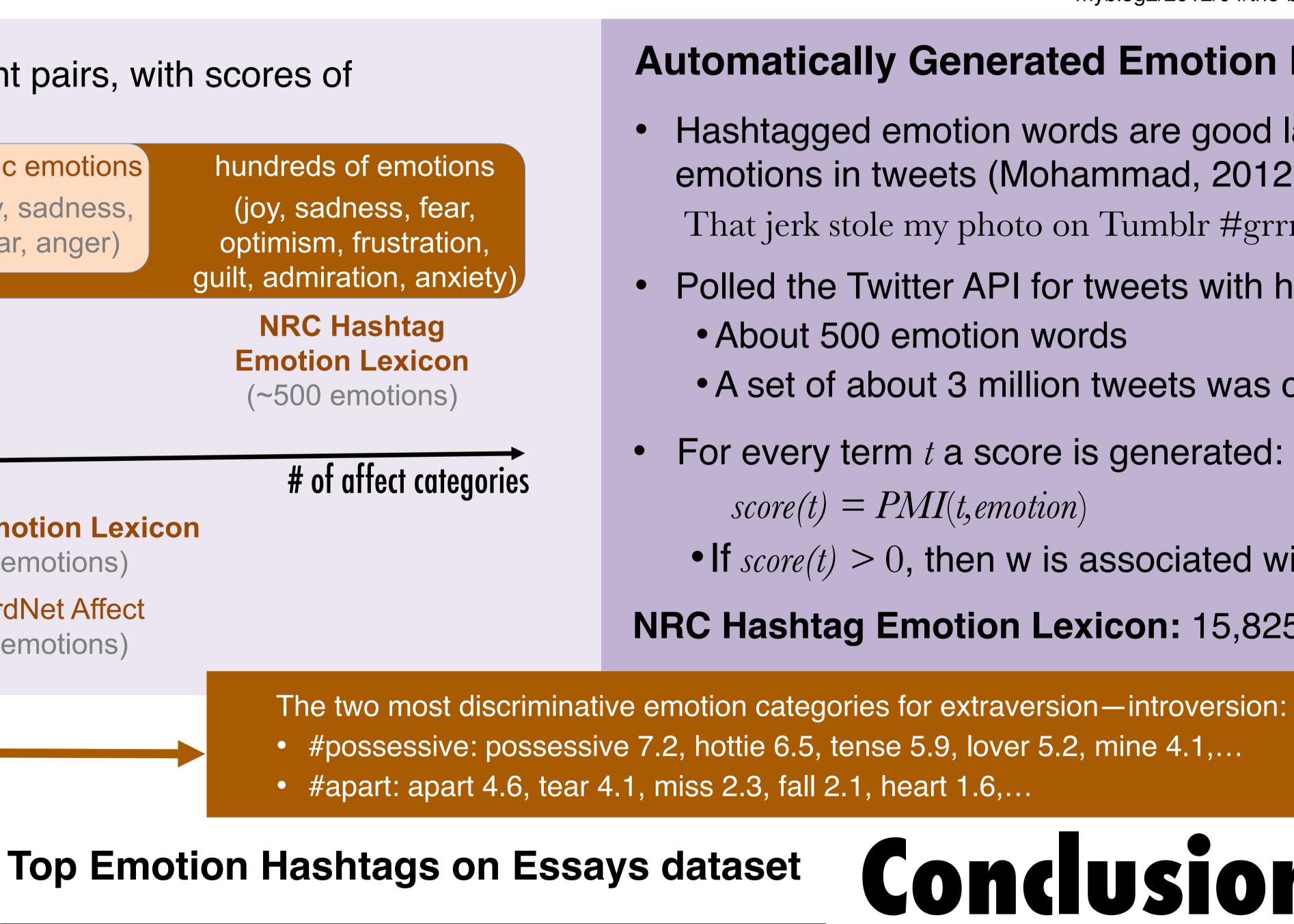


ify Personality

ienko la on, July 2013, Boston, USA.

ality Traits or Dimensions of Personality

5. introversion: sociable, assertive vs. aloof, shy onventionality: intellectual, insightful vs. shallow, unimaginative **ntaneous:** self-disciplined, organized vs. inefficient, careless **neuroticism**: calm, unemotional vs. insecure, anxious **ability:** friendly, co-operative vs. antagonistic, fault-finding



	NEU	AGR	CON	OPN
essive	#guilt	#happy	#excited	#anxious
t	#eager	#anger	#apprehensive	#delighted
у	#interested	#homesick	#anger	#blah
sh	#keen	#giddy	#hate	#exhausted
ring	#helpless	#chaotic	#ashamed	#sweet
ired	#passion	#heartbroken	#giddy	#tired
usy	#unhappy	#sweet	#partial	#lonely
ul	#insignificant	#neglected	#disturbed	#nervous
Int	#timid	#loving	#wrecked	#ecstatic
IУ	#anticipation	#lonely	#needed	#wrecked



myblog2/2012/04/the-big-5.html

Automatically Generated Emotion Lexicon

- Hashtagged emotion words are good labels of emotions in tweets (Mohammad, 2012)
 - That jerk stole my photo on Tumblr #grrrr #anger
- Polled the Twitter API for tweets with hashtags About 500 emotion words
 - A set of about 3 million tweets was compiled
 - For every term t a score is generated:
 - If score(t) > 0, then w is associated with *emotion*
- NRC Hashtag Emotion Lexicon: 15,825 entries

Conclusions

- Fine emotion categories consistently help detect personality in both essays and Facebook datasets
- Information content and coarse affect categories do not lead to consistent gains
- Clustering of fine emotion categories is not effective
- Generated emotion lexicon from tweets using hashtags
- First lexicon for hundreds of emotions