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Twitter

TV

“ ”

TV

Twitter

Detection of On-the-spot Comments for Twitter

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Abstract On the social networking and micro-blogging service “Twitter”, there has been increasing “on-the-spot comments” while watching a sport game at a stadium or watching TV at home. We aim at the detection of these on-the-spot comments among other comments on Twitter. This paper reports an experiment to detect on-the-spot comments for TV programs, analyzing the frequency of occurrence of words by focusing on both program independent and dependent information.

Keyword Twitter On-the-spot comments Text analysis

1. 140

[1] Web

Twitter

[2] TV

[3] TV

^{† 2}

Twitter

Twitter^{† 1} 1 1

Twitter

TV

^{† 1} Twitter <http://twitter.com/>

^{† 2} <http://tvz.in/>

2.

“ ” Twitter API^{† 3}

2
(1) イベントによらない情報を用いたラベル付け

1		TV	
		1	2
	%	73.7	76.3
			3
			79.9

2		False-positive	
1			
2			...

1
2
3
1
3 fold cross-validation 3

(2) イベント固有の情報による書き込みの絞り込み
1 SVM

3.3.
2

1 1
2

3

TV
3.1
2010 1 3 TV 5
40 54 1
5 614

4
Twitter
TV

200 200
3 fold cross-validation
SVM
90.1

3.2. 番組固有の情報による絞り込み精度
TV 1 54 815
1
3 500
500

[1] “ 16
6C-i8 Feb. 2005.
[2] “
” 16
4B-i9 Feb. 2005.

[3] S. Asur and B.A. Huberman, “Predicting the future with social media (informal publication),” ArXiv e-prints, 1003.5699, Mar. 2010.

^{† 3} Twitter API <http://apiwiki.twitter.com/>