

vocabulary	
w1	angry
w2	happy
w3	good
w4	grr
w5	lol

tweets	
lol	happy
lol	good
grr	angry

Word vectors					
	w1	w2	w3	w4	w5
w1	1	0	0	1	0
w2	0	1	0	0	1
w3	0	0	1	0	1
w4	1	0	0	1	0
w5	0	0.5	0.5	0	1

Tweet vectors					
	w1	w2	w3	w4	w5
t1	0	1	0	0	1
t2	0	0	1	0	1
t3	1	0	0	1	0

$$\sum_{t \in \mathcal{M}(w)} \frac{x_j^{(t)}}{|\mathcal{M}(w)|}$$

Tweet centroids

Label words and train a word-level classifier

Label tweets and train a tweet-level classifier



Target words	
lol	pos
grr	neg

Target tweets	
Happy morning	pos
What a bummer!	neg
Lovely day	pos