

Emoticon-annotated Tweets

im happy



im sad



transfer model

Soft-annotated Tweets

good times

0.8

0.2

bad day

0.1

0.9

calculate features

word	PMI-m	SGD-m	POS	label
happy	1.8	1.1	adj	pos
sad	-1.1	-1.6	adj	neg
lol	2.1	1.7	inter	?

label words

Seed lex

happy

pos

sad

neg

chair

neutral

train classifier

Expanded lex

lol

inter

pos

grrrr

inter

neg

book

noun

neutral

classify words

