Tweets

t1	lol happy
t2	lol good
t3	grr angry
t4	grr upset

NRC Lex

angry	ang,fear
happy	joy,trust
good	joy,trust
upset	ang,sad

Multi-label classification

Words features

	f1	f2	f3	f4	f5
angry	1	0	0	1	0
happy	0	0	1	0	1
good	0	0	1	0	1
grr	0.5	0	0	1	0
lol	0	0.5	0.5	0	1
upset	1	0	0	1	0

Expanded lex

lol	joy,trust
grr	ang,fear

NRC Lex

angry	ang,fear
happy	joy,trust
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Tweets

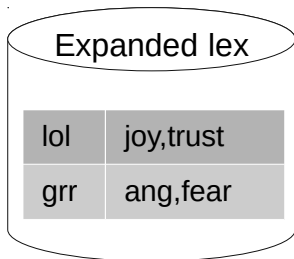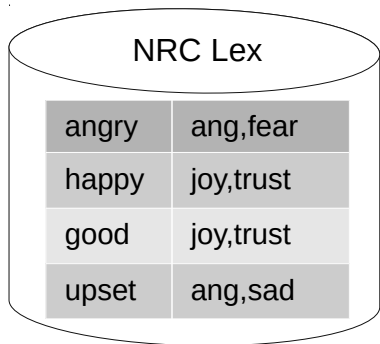| t1	lol happy
t2	lol good
t3	grr angry
t4	grr upset

$$w^{(j)} = \sum_{t \in \mathcal{T}(w)} \frac{t^{(j)}}{|\mathcal{T}(w)|}$$

words vectors

	f1	f2	f3	f4	f5
angry	1	0	0	1	0
happy	0	0	1	0	1
good	0	0	1	0	1
grr	0.5	0	0	1	0
lol	0	0.5	0.5	0	1
upset	1	0	0	1	0

Multi-label classification

Expanded lex

lol	joy,trust
grr	ang,fear