

っ Constrained 0.839

Task B: Message Polarity Classification

Model Features

- Polarized Bag-of-Words
- Word Polarities
- Emoticon Polarities
- Microblogging
- POS Tags Counts
- Syntactic Dependencies

Model Training & **Parameters**

- LIBLinear w/
 - L2-Logistic Regression
- Constrained: Supervised
- Unconstrained: Self-Training

Polarity Lexicon Expansion

1. Applied Task B classifier to approximately 475k unlabeled tweets.

2. Computed co-occurrence statistics between words and sentiment labels

3. Computed word polarity via PMI (Pointwise Mutual Information)

p(word,sentiment) $PMI(word, sentiment)) = log_2$

polarity(word) = sgn(PMI(word, positive) -*PMI(word,negative))*

4. Merged new entries with MPQA Lexicon to create an expanded polarity lexicons

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scan this QR code.

