

# Emotion Identification within Text Messages

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## 1 Project Description

Our project is to identify emotions within text. Text messages are personal modes of communication with valuable aspects such as emojis, exaggerated punctuation ('!?!?', '!', etc.), highly colloquial texting language ('lol', 'smh', etc.), and relationship indicative contact names. Also, more often than not, they are also full conversations between at least two people rather than publicized monologues and single statements.

We plan to have a list of 6 possible emotions to use as labels:

1. Happy
2. Content
3. Indifferent
4. Confused
5. Sad
6. Angry

Happiness being positive emotion for some specific reason and contentment being positive emotion in general. Indifference is the unstressed absence of emotion. Confusion is the stressed absence of emotion, which indicates that it might be complemented by another emotion. Sadness and anger are for negative emotion. Sadness is negative emotion not directed at any object, while anger is negative emotion with a direct object.

Our project would fall into the category of sentiment analysis. The project would further differentiate positive and negative emotion for if there is or

isnt an object of the emotion and it would further differentiate neutral emotions by polarity. Text messages seem to have more emotional cues, so it makes sense to push the boundaries of sentiment analysis a little.

## 2 Related Work

Manuscripts must be in two-column format. Exceptions to the two-column format include the title, as well as the authors' names and complete addresses (only in the final version, not in the version submitted for review), which must be centered at the top of the first page (see the guidelines in Subsection ??), and any full-width figures or tables. Type single-spaced. Do not number the pages in the camera-ready version. Start all pages directly under the top margin. See the guidelines later regarding formatting the first page.

The maximum length of a manuscript is eight (8) pages for the main conference, printed single-sided, plus two (2) pages for references (see Section ?? for additional information on the maximum number of pages).

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## 3 Data Collection

As the reviewing will be blind, the paper must not include the authors' names and affiliations. Furthermore, self-references that reveal the author's identity, e.g., "We previously showed (Smith, 1991) ..." must be avoided. Instead, use citations such as "Smith previously showed (Smith, 1991) ..." Papers that do not conform to these requirements will be rejected without review. In addition, please do not post your submissions on the web until after the review process is complete (in special cases this is permitted: see the multiple submission policy below).

We will reject without review any papers that do

not follow the official style guidelines, anonymity conditions and page limits.

## 4 Method Description

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## Acknowledgments

Do not number the acknowledgment section.