Philipps Universität Marburg

Bootstrapping Receptive Communities for Classification of Receptive Language

Master/Bachelor Thesis

Motivation

Receptiveness, or how willing someone is to thoughtfully engage with opposing views, is known to contribute to more successful conversational interactions. It is desirable to be able to identify this language automatically in order to analyze and build systems that use this type of language. A few receptiveness classifiers have been built using small existing datasets with receptiveness annotations. Using these, what Reddit communities do we hypothesize will be more or less receptive? What makes them receptive and how do they differ? Leveraging data from receptive communities, we can retrain a receptiveness classifier and evaluate it using annotated data. Additional experiments may include analysis of silver data; annotated by the agreement of multiple classifiers, and the resulting impact on building a new classifier.

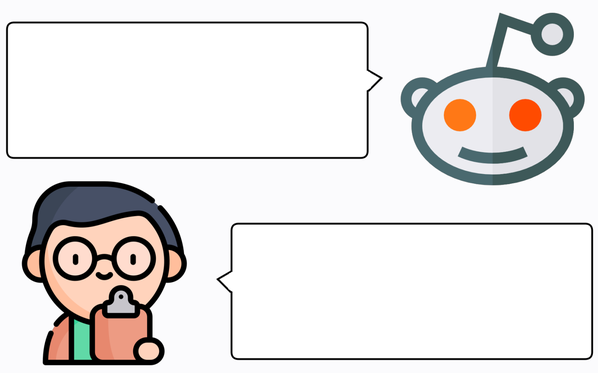
Difficulty

Analysis

Programming

Literature

Task Description



We will use data from Yeomans et al. 2020 and from relevant Reddit communities we identify, which can be crawled with the PushShift API. These could be communities such as mental health subreddits, where users identify themselves as mental health professionals, who we expect to be more receptive than the average Reddit user. We would like to show improved performance on automatically estimating receptiveness and an interesting analysis of model behavior and receptive communities. Work can be submitted for publication upon completion.

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References

[1] Michael Yeomans, Julia Minson, Hanne Collins, Frances Chen, and Francesca Gino. Conversational receptiveness: Improving engagement with opposing views. *Organizational Behavior and Human Decision Processes*, 160:131–148, 2020.

Images from Freepik at flaticon.com