

Introduction

Sentimental or Emotional signals in existing works

- Some works find a relationship between [news veracity and the sentiments of the posted text](#), and append a sentimental feature (ratio of number of negative and positive words) to help text-only detectors.
- Some works extract richer emotional features from the contents based on [emotional lexicons](#) for detection.
- Most existing works leverage the emotional signals of the fake news conveyed by the publishers but [rarely focus on the emotions of news comments](#) aroused in the crowds.

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- For spreading in the crowd virally, fake news often evokes high-arousal or activating emotions of the crowds.
- Therefore, in addition to emotions of news contents, it's necessary to explore whether
 - emotions of news comments and
 - the relationship between the two emotions
- are helpful for fake news detection.