

DO PEOPLE REACT TO SENTIMENT DIFFERENTLY OVER TIME?

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ABSTRACT

Previous research shows that sentiment of text influences its diffusion in social media. Each emotion can be located on a three-dimensional space formed by dimensions of valence (positive–negative), arousal (passive / calm–active / excited), and tension (tense–relaxed). While previous research has investigated the effect of different dimensions of emotion on information diffusion in social media, it is unclear whether people’s reaction to sentiment is constant, or it changes over time. We propose a research model and test it using data collected from Twitter.

Keywords: sentiment mining, information diffusion, social media