A Proposed Model for Detecting Facebook Newsô Credibility

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Abstract

Social networks are currently one of the main Newsô sources for most of their users. Moreover, News channels also consider social networks as main channels not only for spreading the news but also for measuring the feedback from their followers. Facebook Followers can comment or react to the news, which represents the followerôs feedback about this topic. Therefore, it is a fact that measuring the Newsô credibility is one of the important tasks that could control the propagation of the fake news as well as the number of Newsô followers. The proposed model in this research highlights the impact of the Newsô followers on detecting the Newsô polarity either it is fake or not. The proposed model focuses on applying an intelligent sentiment analysis using Vector Space Model (VSM) which is one of the most successful techniques on the usersô comments and reactions through the emoji. Then the degree of credibility is determined according to the correlation coefficient. An experimental study was applied using Facebook News dataset, which included the News and the followersô feedbacks.

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