Submission Summary

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132

Paper Title
Fake News Detection using Naïve Bayes and Support Vector Machine

Abstract
Social media platforms have revolutionized how people engage with the outside world by allowing people to voice their thoughts and exchange information on a variety of topics that interest them. However, because social media is so widely used, information spreads quickly among thousands of users, giving it the perfect environment for the fast spread of false information. The alarming rise of false news presents major concerns to both users and the nation, demanding prompt action. Online fake news identification has garnered substantial research interest, yet the results of past endeavors, particularly using the naive Bayes classifier, have yielded suboptimal performance. In response, this work aims to go deeper into the topic and address the constraints of the naive Bayes classifier by investigating techniques to improve its efficiency. To efficiently identify fake news on social media, we provide a machine learning-based technique that makes use of Naïve Bayes and Support Vector Machine classifiers.

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