Fake Review Detection from a Product Review

Anush Ratnakar Shetty[1], Adarsha N Y[2], Abhishek Joshi[3], Sudarshan Shetty[4], Mrs. Vidya[5]

Students, Department of Computer Science and Engineering[1,2,3,4]
Assistant Professor, Department of Computer Science and Engineering[5]
Alva's Institute of Engineering and Technology, Moodbidri, Mangalore, India
anush.30.shetty@gmail.com@gmail.com, adarshany504@gmail.com
sudarshanshetty2000@gmail.com, abhishekjoshi0203@gmail.com, vidya@aiet.org.in

Abstract: *The rapid growth of the Internet influenced many of our daily activities. One of the very rapid growth area is ecommerce. Generally, e-commerce provide facility for customers to write reviews related with its service. The existence of these reviews can be used as a source of information. For examples, companies can use it to make design decisions of their products or services, while potential customers can use it to decide either to buy or to use a product. Unfortunately, the importance of the review is misused by certain parties who tried to create fake reviews, both aimed at raising the popularity or to discredit the product. This research aims to detect fake reviews for a product by using the text and rating property from a review. In short, the proposed system (ICF++) will measure the honesty value of a review, the trustiness value of the reviewers and the reliability value of a product. The honesty value of a review will be measured by utilizing the text mining and opinion mining techniques. The result from the experiment shows that the proposed system has a better accuracy compared with the result from iterative computation framework (ICF) method.*

Keywords: Fake Reviews, Fake Reviews Detection, Opinion Mining, Sentiment Analysis, Text Mining, ICF

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