IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 12, May 2023

Fake Reviews Detection using Support Vector Machine

Prof. A. G. Shahapurkar, Diksha Badgujar, Mahesh Khadse, Pruthviraj Thopte, Avdhut Patil

Department of Computer Engineering Sinhgad Academy of Engineering, Pune, Maharashtra, India Savitribai Phule Pune University, Pune, Maharashtra

Abstract: Social media is an effective informational channel for sharing details about the goods and services offered by online retailers. Customers who have purchased the goods themselves offer this information. Analysis of customer-cited features and specifications based on their sentiment. These descriptions and reviews may be found on the Flipkart and Twitter websites. Reviews of features/specifications from the Twitter and Flipkart websites were considered for this study project. As a result, the work's analysis of customers' issues with purchasing high-quality goods was its focus. For the purpose of evaluating comments, this work automates the process of extracting semantic-based elements or features and their opinions.

Keywords: Sentiment Analysis, Aspect, Fuzzy Logic, Ecommerce, Customer Reviews, Decision Making

REFERENCES

- [1] S. Das, S. Kar, and T. Pal, "Robust decision making using intuitionistic fuzzy numbers", Granular Computing, vol. 1, pp. 1-14, 2016.
- [2] Z. Xu and H. Wang, "Managing multi-granularity linguistic information in qualitative group decision making: an overview", Granular Computing, vol. 1, pp. 21-35, 2016.
- [3] B. Liu, "Sentiment Analysis and Opinion Mining". Synthesis lectures on human language technologies, vol. 5, pp. 1-167, 2012.
- [4] W. Perycz and S.M. Chen, Sentiment Analysis and Ontology Engineering: An Environment of Computational Intelligence. Springer, Heidelberg, 2016.
- [5] J. Cendrowska, "PRISM: An algorithm for inducing modular rules", International Journal of Man-Machine Studies, vol. 27, pp. 349-370, 1987.
- [6] P. W. Frey and D. J. Slate, "Letter recognition using Holland-style adaptive classifiers", Machine Learning, vol. 6, pp. 161-182, 1991
- [7] M. Buscema, "MetaNet: The theory of independent judges", Substance Use and Misuse, vol. 33, pp. 439-461, 1998.
- [8] J. Wei, Q. Meng, and A. Badii, "Classification of human hand movements using surface EMG for myoelectric control", Advances in Intelligent Systems and Computing, vol. 513, pp. 331-339, 2016.
- [9] H. Binali, C. Wu, and V. Potdar, "Computational approaches for emotion detection in text", in 4th IEEE International Conference on Digital Ecosystems and Technologies, pp. 172-177, 2010.
- [10] Z. Teng, F. Ren, and S. Kuroiwa, "Emotion recognition from text based on the rough set theory and the support vector machines", in International Conference on Natural Language Processing and Knowledge Engineering, pp. 36-41, 2007.

DOI: 10.48175/568

