

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

Volume 2, Issue 9, June 2022

## Fake Product Review Detection and Removal System using NLP

## Prof. Prathibha R<sup>1</sup>, Sahana H S<sup>2</sup>, Yashashwitha R<sup>3</sup>

Assistant Professor, Department of Information Science and Engineering<sup>1</sup> Students, Department of Information Science and Engineering<sup>2,3</sup> S J C Institute of Technology, Chikkaballapur, Karnataka, India

Abstract: Fake review detection and its elimination from the given data set using different natural language processing techniques is important in several aspects fake review dataset is trained by applying two different machine learning models to predict the accuracy of how genuine are the reviews in a given data set. The fake review problem must be addressed so that these large ecommerce industries such as amazon, Flipkart, etc.

Keywords: Sentiment Analysis, Text Mining

## REFERENCES

- Barbosa, Luciano & Feng, Junlan. (2010). Robust Sentiment Detection on Twitter from Biased and Noisy Data. Coling 2010 - 23rd International Conference on Computational Linguistics, Proceedings of the Conference. 2. 36-44.
- [2]. Enhanced Sentiment Learning Using Twitter Hashtags and Smileys Dmitry Davidov, Oren Tsur, ICNC / 2, Institute of Computer Science The Hebrew University 2010.
- [3]. Go, Alec & Bhayani, Richa & Huang, Lei. (2009). Twitter sentiment classification using distant supervision. Processing. 150.
- [4]. Fake review detection using opinion mining" by Dhairya Patel, Aishwerya Kapoor and Sameet Sonawane, International Research journal of Engineering and technology (IRJET), volume 5, issue 12,Dec 2018.
- [5]. Ravi, k. Ravi. 2015. A survey on opinion mining and sentiment analysis: Tasks, approaches and applications. Knowledge based systems, 89.14-46.
- [6]. Khan, K. et al., "Mining opinion components from unstructured reviews: A review". Journal of King Saud University Computer and Information Sciences (2014), http://dx.doi.org/10.1016/j.jksuci.2014.03.009.
- [7]. "Fake review detection from product review using modified method of iterative computation framework", by EkaDyarWahyuni&ArifDjunaidy, MATEC web conferences 58.03003(2016) BISSTECH 2015.
- [8]. Saumya, S., Singh, J.P. Detection of spam reviews: a sentiment analysis approach. CSIT 6, 137–148 (2018). https://doi.org/10.1007/s40012-018-0193-0.