IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.301
Volume 3, Issue 1, June 2023

Hate Speech Detection using Machine Learning

Suraj Futane[1], Twinkal Bandwal[2], Dhonde Dnyaneshwari[3], Sakshi Gudmewar[4], Aishwarya Kadam[5]
Prof. Aishwarya Kadam[6]
Students, Department of Information Technology[1,2,3,4,5]
Professor, Department of Information Technology[6]
Smt. Kashibai Navale College of Engineering, Pune, Maharashtra, India

Abstract: *Twitter's central goal is to enable everybody to make and share thoughts and data, and to communicate their suppositions and convictions without boundaries. Twitter's job is to serve the public discussion, which requires portrayal of a different scope of points of view. Yet, it does not advance viciousness against or straightforwardly assault or undermine others based on race, nationality, public cause, rank, sexual direction, age, inability, or genuine illness. Hate Speech can hurt a person or a community. So, it is not appropriate to use hate speech. Now, due to increase in social media usage, hate speech is very commonly used on these platforms. So, it is not possible to identify hate speeches manually. So, it is essential to develop an automated hate speech detection model and this research work shows different approaches of Natural Language Processing for classification of Hate Speech through Machine Learning Algorithms.*

Keywords: Logistic Regression, SVM, Tf-Idf, Random Forest, Hate Speech

REFERENCES

[1]. Abdullah Alsaeedi, Mohammad Zubair Khan, "A Study on Sentiment Analysis Techniques of Twitter Data", International Journal of Advanced Computer Science and Applications, Vol.10, No.2, 2019.
[2]. Suchita V Wawre, Sachin N Deshmukh, "Sentiment Classification using Machine Learning Techniques", International Journal of Science and Research (IJSR), Vol.6, 2015.
[3]. Ali Hasan, Sana Moin, Ahamad Karim and Shahaboddin Shamshirband, "Machine Learning-Based Sentiment Analysis for Twitter Accounts", Journal mca, 16 January 2018, Accepted 24 February 2018, Published: 27 Febryary 2018.
[4]. Vishal A. Kharde, S. S. Sonawane, "Sentiment Analysis of Twitter Data: A survey of Techniques", International Journal of Computer Applications (0975-8887) Volume 139, No.11, April 2016 .
[5]. Suchita V Wawre, Sachin N Deshmukh, "Sentimental Analysis of Movie Review using Machine Learning Algorithm with Tuned Hyperparameter", International Journal of Innovative Research in Computer and Communication Engineering, Vol.4, Issue 6, June 2016