

Sentiment Classification for Social Media Posts using Machine Learning

Priyanka Takalkar¹, Prajjawal Neware², Shravya Shetty³, Bilal Shaikh⁴, Renuka Jetthy⁵

Assistant Professor, Department of Computer Engineering¹

BE Students, Department of Computer Engineering^{2,3,4,5}

Smt. Kashibai Navale College of Engineering, Pune, Maharashtra, India

Abstract: *With the advent of online technology and its growth, the web now contains a massive amount of data for internet users, as well as a large amount of data being generated. The internet has evolved into a platform for online learning, idea exchange, and opinion sharing. People use social networking sites like Twitter, Facebook, and Google+ to share and express their opinions on a variety of topics, participate in discussions with diverse communities, and send messages all over the world. The field of sentiment analysis of twitter data has seen a lot of progress. This study focuses on Twitter sentiment analysis, which is useful for analysing information in tweets where opinions are highly structured, varied, and either positive or negative. The proposed system is build using Support Vector Machine and Random Forest Techniques..*

Keywords: Sentimental Analysis, Random Forest, and Support Vector Machine and Machine Learning

REFERENCES

- [1]. Sahar A El. Rahman , “Sentiment Analysis of Twitter Data” ,IEEE 2019
- [2]. Waqar Ali and Xiulin Qiu, “Aspect-Level Sentiment Analysis Based on Bidirectional-GRU in SIoT”,IEEE 2021
- [3]. Huma Parveen and Shikha Pandey, “Sentiment analysis on Twitter Data-set using Naive Bayes algorithm”, IEEE 2016
- [4]. Rasika Wagh and Payal Punde , “Survey on Sentiment Analysis using Twitter Dataset”, IEEE 2018
- [5]. Ravikumar Patel and Kalpdram Passi “Sentiment Analysis on Twitter Data of World Cup Soccer Tournament Using Machine Learning”, MDPI Article 2020
- [6]. Word Sense Disambiguation”,IEEE 2018
- [7]. Aldo Hernández, et.a, “Security Attack Prediction Based on User Sentiment Analysis of Twitter Data”, IEEE 2017
- [8]. Tao Liu, Jian Cao, Yudong Tan, Quanwu Xiao, “Sentiments Analysis Of Twitter Data Using Data Mining”,IEEE 2016
- [9]. Ming Hao, et.a, “Visual Sentiment Analysis on Twitter Data Streams”, Research Gate 2012
- [10]. Manju Venugopalan, “Exploring Sentiment Analysis on Twitter Data”, IEEE 2015