

## REFERENCES

- [1] Wei, H. L. (2021). Natural Hazards: Volcanic Eruptions. In *Encyclopedia of Security and Emergency Management* (pp. 697-700). Cham: Springer International Publishing.
- [2] Mirbabaie, M., Bunker, D., Stieglitz, S., Marx, J., & Ehnis, C. (2020). Social media in times of crisis: Learning from Hurricane Harvey for the coronavirus disease 2019 pandemic response. *Journal of Information Technology*, 35(3), 195-213.
- [3] Duc, H. M., & Ha, N. T. T. (2024). Enhancing Disaster Preparedness, Emergency Response and Resource Allocation using Big Data Integration and Predictive Analytic. *Journal of Big-Data Analytics and Cloud Computing*, 9(1), 1-13.
- [4] Liu, B. (2022). Sentiment analysis and opinion mining. Springer Nature.
- [5] Dervenis, C., Kanakis, G., & Fitsilis, P. (2024). Sentiment analysis of student feedback: A comparative study employing lexicon and machine learning techniques. *Studies in Educational Evaluation*, 83, 101406.
- [6] Pisner, D. A., & Schnyer, D. M. (2020). Support vector machine. In Machine learning (pp. 101-121). Academic Press.
- [7] Guido, R., Ferrisi, S., Lofaro, D., & Conforti, D. (2024). An Overview on the Advancements of Support Vector Machine Models in Healthcare Applications: A Review. *Information*, 15(4), 235.
- [8] Jahan, I., Islam, M. N., Hasan, M. M., & Siddiky, M. R. (2024). Comparative analysis of machine learning algorithms for sentiment classification in social media text. *World J. Adv. Res. Rev*, 23(3), 2842-2852.
- [9] Abdullah, D. M., & Abdulazeez, A. M. (2021). Machine learning applications based on SVM classification a review. *Qubahan Academic Journal*, 1(2), 81-90.
- [10] Nafis, N. S. M., & Awang, S. (2021). An enhanced hybrid feature selection technique using term frequency-inverse document frequency and support vector machine-recursive feature elimination for sentiment classification. *Ieee Access*, 9, 52177-52192.
- [11] Buchel, O., & Pennington, D. R. (2022). Geospatial analysis. *The SAGE handbook of social media research methods*, 255.
- [12] Jabalameli, S., Xu, Y., & Shetty, S. (2022). Spatial and sentiment analysis of public opinion toward COVID-19 pandemic using twitter data: At the early stage of vaccination. *International Journal of Disaster Risk Reduction*, 80, 103204.
- [13] Beigi, G., Hu, X., Maciejewski, R., & Liu, H. (2016). An overview of sentiment analysis in social media and its applications in disaster relief. *Sentiment analysis and ontology engineering: An environment of computational intelligence*, 313-340.
- [14] Lock, O., & Pettit, C. (2020). Social media as passive geo-participation in transportation planning—how effective are topic modeling & sentiment analysis in comparison with citizen surveys?. *Geo-Spatial Information Science*, 23(4), 275-292.
- [15] Mursi, J. K. A., Subramaniam, P. R., & Govender, I. (2023, September). Exploring the Influence of Pre-Processing Techniques in Obtaining Labelled Data from Twitter Data. In 2023 IEEE AFRICON (pp. 1-6). IEEE.
- [16] Mujahid, M., Kina, E. R. O. L., Rustam, F., Villar, M. G., Alvarado, E. S., De La Torre Diez, I., & Ashraf, I. (2024). Data oversampling and imbalanced datasets: an investigation of performance for machine learning and feature engineering. *Journal of Big Data*, 11(1), 87.
- [17] Zumarniansyah, A., Pebrianto, R., Normah, N., & Gata, W. (2020). Twitter Sentiment Analysis of Post Natural Disasters Using Comparative Classification Algorithm Support Vector Machine and Naive Bayes. *Jurnal Pilar Nusa Mandiri*, 16(2), 169-174.

- [18] Gusti, K. W. (2023). Perbandingan Metode Support Vector Machine dan Logistic Regression untuk Klasifikasi Bencana Alam. Informatik: Jurnal Ilmu Komputer, 19(2), 134-140.
- [19] Delimayanti, M. K., Sari, R., Laya, M., Faisal, M. R., & Pahrul, P. (2021). Pemanfaatan Metode Multiclass-SVM pada Model Klasifikasi Pesan Bencana Banjir di Twitter. Edu Komputika Journal, 8(1), 39-47.
- [20] Hu, T., She, B., Duan, L., Yue, H., & Clunis, J. (2019). A systematic spatial and temporal sentiment analysis on geo-tweets. Ieee Access, 8, 8658-8667.
- [21] Dube, L., & Verster, T. (2023). Enhancing classification performance in imbalanced datasets: A comparative analysis of machine learning models. Data Science in Finance and Economics, 3(4), 354379.
- [22] Tan, K. L., Lee, C. P., & Lim, K. M. (2023). A survey of sentiment analysis: Approaches, datasets, and future research. Applied Sciences, 13(7), 4550.
- [23] Soltanzadeh, P., & Hashemzadeh, M. (2021). RCSMOTE: Range-Controlled synthetic minority oversampling technique for handling the class imbalance problem. Information Sciences, 542, 92-111.
- [24] Ünalan, S., Günay, O., Akkurt, I., Gunoglu, K., & Tekin, H. O. (2024). A comparative study on breast cancer classification with stratified shuffle split and K-fold cross validation via ensembled machine learning. Journal of Radiation Research and Applied Sciences, 17(4), 101080.
- [25] Saravanan, K., Prakash, R. B., Balakrishnan, C., Kumar, G. V. P., Subramanian, R. S., & Anita, M. (2023, December). Support Vector Machines: Unveiling the Power and Versatility of SVMs in Modern Machine Learning. In 2023 3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) (pp. 680-687). IEEE.
- [26] Parishani, M., & Rasti-Barzoki, M. (2024). CWBCM method to determine the importance of classification performance evaluation criteria in machine learning: Case studies of COVID-19, Diabetes, and Thyroid Disease. Omega, 127, 103096.
- [27] Selmy, S. A., Kuche, D. E., & Yang, Y. (2024). Geospatial Data: Acquisition, Applications and Challenges.