

Daftar Pustaka

- [1] P. Luitel, S. Paudel, I. Thapaliya, B. Dev, and S. Dev, "Emergency surgery for acute rectal bleeding in a newly diagnosed case of fulminant ulcerative colitis," *Int J Surg Case Rep*, vol. 121, p. 109901, Jun. 2024, doi: 10.1016/j.ijscr.2024.109901.
- [2] J. P. Segal, A. Jean-Frédéric LeBlanc, and A. L. Hart, "Ulcerative colitis: An update," *Clinical Medicine, Journal of the Royal College of Physicians of London*, vol. 21, no. 2, pp. 135-139, 2021, doi: 10.7861/CLINMED.2021-0080.
- [3] H. M. Khorasani, H. Usefi, and L. Peña-Castillo, "Detecting ulcerative colitis from colon samples using efficient feature selection and machine learning," *Sci Rep*, vol. 10, no. 1, p. 13744, 2020, doi: 10.1038/s41598-020-70583-0.
- [4] T. Kucharzik, S. Koletzko, K. Kannengießer, and A. Dignaß, "Ulcerative Colitis—Diagnostic and Therapeutic Algorithms," *Dtsch Arztebl Int*, vol. 117, no. 33-34, pp. 564-574, 2020, doi: 10.3238/arztebl.2020.0564.
- [5] W. Li et al., "Colorectal Cancer in Ulcerative Colitis: Mechanisms, Surveillance and Chemoprevention," *Current Oncology*, vol. 29, no. 9, pp. 6091-6114, 2022. doi: 10.3390/curoncol29090479.
- [6] Shadmanov MA, "NEW ASPECTS OF THE DIAGNOSIS OF ULCERATIVE COLITIS 1 Abdullayeva U," *Br Med J*, vol. 2, no. 1, pp. 396-401, 2022, doi: 10.5281/zenodo.6621036.
- [7] M. Chierici et al., "Automatically detecting Crohn's disease and Ulcerative Colitis from endoscopic imaging," *BMC Med Inform Decis Mak*, vol. 22, no. 6, p. 300, 2022, doi: 10.1186/s12911-022-02043-w.
- [8] L. Zhang et al., "Identification of useful genes from multiple microarrays for ulcerative colitis diagnosis based on machine learning methods," *Sci Rep*, vol. 12, no. 1, p. 9962, 2022, doi: 10.1038/s41598-022-14048-6.
- [9] I. V. Popa, A. Burlacu, O. Gavrilescu, M. Dranga, C. C. Prelipcean, and C. Mihai, "A new approach to predict ulcerative colitis activity through standard clinical–biological parameters using a robust neural network model," *Neural Comput Appl*, vol. 33, no. 12, pp. 14133–14146, 2021, doi: 10.1007/s00521-021-06055-x.
- [10] M. Bu, X. Cao, and B. Zhou, "Identification of Potential Biomarkers and Immune Infiltration Characteristics in Ulcerative Colitis by Combining Results from Two Machine Learning Algorithms," *Comput Math Methods Med*, vol. 2022, no. 6, pp. 12–57, 2022, doi: 10.1155/2022/5412627.
- [11] T. Y. Huang, S. Q. Zhan, P. J. Chen, C. W. Yang, and H. H. S. Lu, "Accurate diagnosis of endoscopic mucosal healing in ulcerative colitis using deep learning and machine learning," *Journal of the Chinese Medical Association*, vol. 84, no. 7, pp. 678-681, 2021, doi: 10.1097/JCMA.0000000000000559.
- [12] Y. Shen, K. Zheng, Y. Yang, S. Liu, and M. Huang, "CBA-CLSVE: A Class-Level Soft-Voting Ensemble Based on the Chaos Bat Algorithm for Intrusion Detection," *Applied Sciences (Switzerland)*, vol. 12, no. 21, p. 11298, 2022, doi: 10.3390/app122111298.
- [13] W. Sun and J. Zhang, "Carbon price prediction based on ensemble empirical mode decomposition and extreme learning machine optimized by improved bat algorithm considering energy price factors," *Energies (Basel)*, vol. 13, no. 13, p. 3471, 2020, doi: 10.3390/en13133471.
- [14] A. Spooner, G. Mohammadi, P. S. Sachdev, H. Brodaty, and A. Sowmya, "Ensemble feature selection with data-driven thresholding for Alzheimer's disease biomarker discovery," *BMC Bioinformatics*, vol. 24, no. 1, p. 9, 2023, doi: 10.1186/s12859-022-05132-9.
- [15] R. Salman, A. Alzaatreh, and H. Sulieman, "The stability of different aggregation techniques in ensemble feature selection," *J Big Data*, vol. 9, no. 1, p. 51, 2022, doi: 10.1186/s40537-022-00607-1.
- [16] M. Mera-Gaona, D. M. López, R. Vargas-Canas, and U. Neumann, "Framework for the ensemble of feature selection methods," *Applied Sciences (Switzerland)*, vol. 11, no. 17, p. 8122, 2021, doi: 10.3390/app11178122.
- [17] P. Schumann et al., "Detection of Fall Risk in Multiple Sclerosis by Gait Analysis—An Innovative Approach Using Feature Selection Ensemble and Machine Learning Algorithms," *Brain Sci*, vol. 12, no. 11, p. 1477, 2022, doi: 10.3390/brainsci12111477.
- [18] M. Xu, P. Baraldi, X. Lu, and E. Zio, "Generative Adversarial Networks With AdaBoost Ensemble Learning for Anomaly Detection in High-Speed Train Automatic Doors," *IEEE Transactions on Intelligent Transportation Systems*, vol. 23, no. 12, pp. 23408-23421, 2022, doi: 10.1109/TITS.2022.3203871.
- [19] D. N. Purba, Fhira Nhita, and Isman Kurniawan, "Implementation of Ensemble Method in Schizophrenia Identification Based on Microarray Data," *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 6, no. 1, pp. 64-69, 2022, doi: 10.29207/resti.v6i1.3788.
- [20] H. Talebi, L. J. M. Peeters, A. Otto, and R. Tolosana-Delgado, "A Truly Spatial Random Forests Algorithm for Geoscience Data Analysis and Modelling," *Math Geosci*, vol. 54, no. 1, pp. 1-22, 2022, doi: 10.1007/s11004-021-09946-w.
- [21] S. Georganos et al., "Geographical random forests: a spatial extension of the random forest algorithm to address spatial heterogeneity in remote sensing and population modelling," *Geocarto Int*, vol. 36, no. 2, pp. 121-136, 2021, doi: 10.1080/10106049.2019.1595177.
- [22] A. Shahraki, M. Abbasi, and Ø. Haugen, "Boosting algorithms for network intrusion detection: A comparative evaluation of Real AdaBoost, Gentle AdaBoost and Modest AdaBoost," *Eng Appl Artif Intell*, vol. 94, no. 9, p. 103770, 2020, doi: 10.1016/j.engappai.2020.103770.
- [23] G. A. Busari and D. H. Lim, "Crude oil price prediction: A comparison between AdaBoost-LSTM and

- AdaBoost-GRU for improving forecasting performance," *Comput Chem Eng*, vol. 155, no. 12, pp. 107513, 2021, doi: 10.1016/j.compchemeng.2021.107513.
- [24] J. Hatwell, M. M. Gaber, and R. M. Atif Azad, "Ada-WHIPS: Explaining AdaBoost classification with applications in the health sciences," *BMC Med Inform Decis Mak*, vol. 20, no. 1, p. 250, 2020, doi: 10.1186/s12911-020-01201-2.
- [25] A. Ibrahem Ahmed Osman, A. Najah Ahmed, M. F. Chow, Y. Feng Huang, and A. El-Shafie, "Extreme gradient boosting (Xgboost) model to predict the groundwater levels in Selangor Malaysia," *Ain Shams Engineering Journal*, vol. 12, no. 2, pp. 1545-1556, 2021, doi: 10.1016/j.asej.2020.11.011.
- [26] A. Paleczek, D. Grochala, and A. Rydosz, "Artificial breath classification using xgboost algorithm for diabetes detection," *Sensors*, vol. 21, no. 12, p. 4187, 2021, doi: 10.3390/s21124187.
- [27] S. Thongsuwan, S. Jaiyen, A. Padcharoen, and P. Agarwal, "ConvXGB: A new deep learning model for classification problems based on CNN and XGBoost," *Nuclear Engineering and Technology*, vol. 53, no. 2, pp. 522-531, 2021, doi: 10.1016/j.net.2020.04.008.
- [28] K. Budholiya, S. K. Shrivastava, and V. Sharma, "An optimized XGBoost based diagnostic system for effective prediction of heart disease," *Journal of King Saud University - Computer and Information Sciences*, vol. 34, no. 7, pp. 4514-4523, 2022, doi: 10.1016/j.jksuci.2020.10.013.
- [29] K. Riehl, M. Neunteufel, and M. Hemberg, "Hierarchical confusion matrix for classification performance evaluation," *J R Stat Soc Ser C Appl Stat*, vol. 72, no. 5, p. 9, 2023, doi: 10.1093/rssc/qlad057.
- [30] M. Heydarian, T. E. Doyle, and R. Samavi, "MLCM: Multi-Label Confusion Matrix," *IEEE Access*, vol. 10, pp. 19083-19095, 2022, doi: 10.1109/ACCESS.2022.3151048.
- [31] H. Yun, "Prediction model of algal blooms using logistic regression and confusion matrix," *International Journal of Electrical and Computer Engineering*, vol. 11, no. 3, pp. 2407-2413, 2021, doi: 10.11591/ijece.v11i3.pp2407-2413.
- [32] W. E. Gilbraith, C. P. Celani, and K. S. Booksh, "Visualization of confusion matrices with network graphs," *J Chemom*, vol. 37, no. 3, p.3435, 2023, doi: 10.1002/cem.3435.
- [33] D. Chicco, N. Tötsch, and G. Jurman, "The matthews correlation coefficient (Mcc) is more reliable than balanced accuracy, bookmaker informedness, and markedness in two-class confusion matrix evaluation," *BioData Min*, vol. 14, no. 1, p. 13, 2021, doi: 10.1186/s13040-021-00244-z.