DAFTAR PUSTAKA

[1] Gregorius Airlangga. 2024. Analysis of Machine Learning Classifiers for Speaker Identification: A Study on SVM, Random Forest, KNN, and Decision Tree. *CNAHPC* 6, 1 (January 2024), 430–438. https://doi.org/10.47709/cnahpc.v6i1.3487

[2] Akshay B R, Sini Raj Pulari, T S Murugesh, and Shriram K Vasudevan. 2024. *Machine Learning: A Comprehensive Beginner's Guide* (1st ed.). CRC Press, Boca Raton. https://doi.org/10.1201/9781032676685

[3] Bindu Bala and Sunny Behal. 2024. A Brief Survey of Data Preprocessing in Machine Learning and Deep Learning Techniques. In *2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)*, October 03, 2024. IEEE, Kirtipur, Nepal, 1755–1762. https://doi.org/10.1109/I-SMAC61858.2024.10714767

[4] Gleb Danilov, Konstantin Kotik, Michael Shifrin, Yulia Strunina, Tatiana Pronkina, Tatiana Tsukanova, Vladimir Nepomnyashiy, Nikolay Konovalov, Valeriy Danilov, and Alexander Potapov. 2023. Data Quality Estimation Via Model Performance: Machine Learning as a Validation Tool. In *Studies in Health Technology and Informatics*, John Mantas, Parisis Gallos, Emmanouil Zoulias, Arie Hasman, Mowafa S. Househ, Martha Charalampidou and Andriana Magdalinou (eds.). IOS Press. https://doi.org/10.3233/SHTI230508

[5] Rayan Dayyeh, Waed AlSawareah, Bassam Kasasbeh, Raneem Qaddoura, and Sinan Kamal. 2023. Comparative Analysis of Decision Trees, Random Forest, and k-Nearest Neighbors in Predictive Analytics for Orange Telecom's Customer Complaint Data. In *2023 2nd International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI)*, December 27, 2023. IEEE, Zarqa, Jordan, 1–6. https://doi.org/10.1109/EICEEAI60672.2023.10590524

[6] Department of Computer Science, Kampala International University, Kampala, Uganda, Manjula V.S, Fatou Marega, and Research Student, Master of Science and Information System, Kampala International University, Kampala, Uganda. 2024. A review of soil analysis and classification to improve crops in agriculture using machine learning algorithm. *JASIC* 5, 1 (May 2024), 13–21. https://doi.org/10.59568/JASIC-2024-5-1-02

[7] Akmar Efendi, Iskandar Fitri, and Gunadi Widi Nurcahyo. 2024. Improvement of Machine Learning Algorithms with Hyperparameter Tuning on Various Datasets. In *2024 International Conference on Future Technologies for Smart Society (ICFTSS)*, August 07, 2024. IEEE, Kuala Lumpur, Malaysia, 75–79. https://doi.org/10.1109/ICFTSS61109.2024.10691354

[8] Ersin Elbasi, Nour Mostafa, Chamseddine Zaki, Zakwan AlArnaout, Ahmet E. Topcu, and Louai Saker. 2024. Optimizing Agricultural Data Analysis Techniques through AI-Powered Decision-Making Processes. *Applied Sciences* 14, 17 (September 2024), 8018. https://doi.org/10.3390/app14178018

[9] Michele Fratello and Roberto Tagliaferri. 2019. Decision Trees and Random Forests. In *Encyclopedia of Bioinformatics and Computational Biology*. Elsevier, 374–383. https://doi.org/10.1016/B978-0-12-809633-8.20337-3

[10] Kanwarpartap Singh Gill, Vatsala Anand, Rupesh Gupta, and Pao-Ann Hsiung. 2023. Detection of Malware Using Machine Learning techniques on Random Forest, Decision Tree, KNeighbour, AdaBoost, SGD, ExtraTrees and GaussianNB Classifier. In *2023 4th IEEE Global Conference for Advancement in Technology (GCAT)*, October 06, 2023. IEEE, Bangalore, India, 1–7. https://doi.org/10.1109/GCAT59970.2023.10353495

[11] Goodness Tolulope Adewale, Achilike Ugonna Victor, Atiku Efemena Sylvia, Tobi Sonubi, and Adeleye Oriola Mesogboriwon. 2024. Integrating big data and machine learning in management information systems for predictive analytics: A focus on data preprocessing and technological advancements. *World J. Adv. Res. Rev.* 24, 2 (November 2024), 774–789. https://doi.org/10.30574/wjarr.2024.24.2.3427

[12] Usman Hameed, Sohail Masood, Fawad Nasim, and Arfan Jaffar. 2024. Exploring the Accuracy of Machine Learning and Deep Learning in Engine Knock Detection. *BBE* 13, 3 (August 2024), 203–210. https://doi.org/10.61506/01.00478

[13] Youngjin Han and Inwhee Joe. 2024. Enhancing Machine Learning Models Through PCA, SMOTE-ENN, and Stochastic Weighted Averaging. *Applied Sciences* 14, 21 (October 2024), 9772. https://doi.org/10.3390/app14219772

[14] Vera Ignatenko, Anton Surkov, and Sergei Koltcov. 2024. Random forests with parametric entropy-based information gains for classification and regression problems. *PeerJ Computer Science* 10, (January 2024), e1775. https://doi.org/10.7717/peerj-cs.1775

[15] Vaishali Jain and Shiv Kumar Tiwari. 2024. OVERVIEW: MACHINE LEARNING. In *Machine Learning An Art of Computer Thinking*, Mrs. Shuchita Mudgil, Dr.Sapna Jain Choudhary and Prof. Shiv Kumar Tiwari (eds.). Iterative International Publishers, Selfypage Developers Pvt Ltd, 130–144. https://doi.org/10.58532/nbennurch183

[16] C. Bala Kamatchi and A. Muthukumaravel. 2024. Land Data Analytics for Precision Crop Selection in Agricultural Systems: In *Advances in Computational Intelligence and Robotics*, S. Suman Rajest, Salvatore Moccia, Bhopendra Singh, R. Regin and Joseph Jeganathan (eds.). IGI Global, 79–98. https://doi.org/10.4018/979-8-3693-8659-0.ch005

[17] Avinash Kanagaraj, Sathiya Bama Kaliappan, Thenmozhi S, Bharani A, Kumaraperumal R, Pazhanivelan S, and Prabhu Pc. 2024. Soil Quality Assessment in Agricultural Lands of an Industrializing Region of India. https://doi.org/10.21203/rs.3.rs-5028707/v1

[18] Bain Khusnul Khotimah. 2022. Performance of the K-Nearest Neighbors method on identification of maize plant nutrients. *J.INFOTEL* 14, 1 (February 2022), 8–14. https://doi.org/10.20895/infotel.v14i1.735

[19] Ye-eun Kim, Seoung Yun Kim, and Hyunjoong Kim. 2024. Heterogeneous Random Forest. https://doi.org/10.48550/ARXIV.2410.19022

[20] Ting Li, Lulu Li, Xiaoqin Chen, Shirong Zhang, Huoyan Wang, Yulin Pu, Xiaoxun Xu, Guiying Wang, Yongxia Jia, Hao Li, Xiaobo Wu, and Xiaojing Liu. 2023. Soil quality assessment of cropland in China and its relationships with climate and topography. *Land Degrad Dev* 34, 3 (February 2023), 637–652. https://doi.org/10.1002/ldr.4481

[21] Xiaolong Li, Wenliang Lin, and Bei Guan. 2023. The impact of computing and machine learning on complex PROBLEM-SOLVING. *Engineering Reports* 5, 6 (June 2023), e12702. https://doi.org/10.1002/eng2.12702

[22] Louis Madaerdo Sotarjua and Dian Budhi Santoso. 2022. PERBANDINGAN ALGORITMA KNN, DECISION TREE,*DAN RANDOM*FOREST PADA DATA IMBALANCED CLASS UNTUK KLASIFIKASI PROMOSI KARYAWAN. *INSTEK* 7, 2 (August 2022), 192–200. https://doi.org/10.24252/instek.v7i2.31385

[23] Harsh Mavi, Santosh Kumar Upadhyay, Nittyansh Srivastava, Rakshita Sharma, and Rashmi Bhargava. 2024. Crop Recommendation System Based on Soil Quality and Environmental Factors Using Machine Learning. In *2024 International Conference on Emerging Innovations and Advanced Computing (INNOCOMP)*, May 25, 2024. IEEE, Sonipat, India, 507–512. https://doi.org/10.1109/INNOCOMP63224.2024.00089

[24] Aishwarya Patil, Varshini Kulkarni, and Sachin Desai. 2023. Soil Fertility Prediction. *IJRASET* 11, 8 (August 2023), 1241–1247. https://doi.org/10.22214/ijraset.2023.55225

[25] Fengkui Qian, Siyu Jiao, Yuanjun Yu, Xiangguo Wang, and Tianyi Shao. 2024. Cultivated Land Quality Assessment and Obstacle Factors Diagnosis in Changtu County, Northeast China. *Land Degrad Dev* 35, 17 (November 2024), 5065–5077. https://doi.org/10.1002/ldr.5278

[26] Smriti Rout, Rishikant Mallick, and Santosh Kumar Sahu. 2023. Exploring the Significance of Feature Analysis in AI/ML Modeling. In *2023 OITS International Conference on Information Technology (OCIT)*, December 13, 2023. IEEE, Raipur, India, 580–585. https://doi.org/10.1109/OCIT59427.2023.10431396

[27] Aradhna Saini, Gaurav Dhuriya, Ayush Jain, and Attiuttama Mishra. 2024. Machine Learning Algorithms and Applications. In *Artificial Intelligence for Precision Agriculture* (1st ed.). Auerbach Publications, Boca Raton, 1–31. https://doi.org/10.1201/9781003504900-1

[28] Elena Serfilippi, Daniele Giovannucci, David Ameyaw, Ankur Bansal, Thomas Asafua Nketsia Wobill, Roberta Blankson, and Rashi Mishra. 2022. Benefits and Challenges of Making Data More Agile: A Review of Recent Key Approaches in Agriculture. *Sustainability* 14, 24 (December 2022), 16480. https://doi.org/10.3390/su142416480

[29] Pinki Sharma, Dr. Reshma Begum, Pragya Shrivastava, and Dr. Neelam Sharma. 2024. MACHINE LEARNING. In *Artificial Intelligence and their Applications* (First), Dr. Nitish Pathak and Dr. Neelam Sharma (eds.). Iterative International Publishers, Selfypage Developers Pvt Ltd, 138–150. https://doi.org/10.58532/nbennurch61

[30] Dayang Sun. 2024. Predictive Modeling of Seismic Events: A Comparative Analysis Of K-Nearest Neighbors and Random Forest Algorithms. *HSET* 85, (March 2024), 272–279. https://doi.org/10.54097/cjyajb25

[31] Yadviga Tynchenko, Vadim Tynchenko, Vladislav Kukartsev, Tatyana Panfilova, Oksana Kukartseva, Ksenia Degtyareva, Van Nguyen, and Ivan Malashin. 2024. Soil Properties Classification in Sustainable Agriculture Using Genetic Algorithm-Optimized and Deep Neural Networks. *Sustainability* 16, 19 (October 2024), 8598. https://doi.org/10.3390/su16198598

[32] Suleiman Usman, James O Jayeoba, and Sani M. Amana. 2024. Evaluation of surface soil quality and land suitability for agricultural soils affected by soil erosion. https://doi.org/10.21203/rs.3.rs-4817075/v1

[33] Akhilesh A. Waoo and Meena Tiwari. 2024. OPTIMIZING CROP YIELD AND FERTILITY MANAGEMENT USING KNN AND ML. *ShodhKosh J. Vis. Per. Arts* 5, 5 (May 2024), 380–385. https://doi.org/10.29121/shodhkosh.v5.i5.2024.1888

[34] Agricultural Land Suitability and Soil Quality. Retrieved from https://www.kaggle.com/datasets/arifmia/agricultural-land-suitability-and-soil-quality