DAFTAR PUSTAKA

[1] Swamy Aradhyamatada and U.M. Rohitha. 2024. Circle chaotic map tuna swarm optimization (CCMTSO) based feature selection and deep learning approach for air quality prediction. *Yugosl J Oper Rres* 00 (2024), 24–24. https://doi.org/10.2298/YJOR2402016024A

[2] Assistant Professor, Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Green Fields, Vaddeswaram, Andhra Pradesh, India., Venkateswarlu B, Rekha Gangula, and Assistant Professor, Computer Science and Engineering, Vaagdevi Engineering College, Bollikunta, Warangal, Telangana, India. 2024. Exploring the Power and Practical Applications of K-Nearest Neighbours (KNN) in Machine Learning. *JCAI* 2, 1 (February 2024), 8–15. https://doi.org/10.69996/jcai.2024002

[3] Venkata Atluri, Kaveh Heidary, and John Bland. 2024. Performance Evaluation of Machine Learning Algorithms in Reduced Dimensional Spaces. *JCS* 6, 1 (2024), 69–87. https://doi.org/10.32604/jcs.2024.051196

[4] Aleemah Ayomide and Alabi-Lawal. 2023. EFFECTS OF AIR POLUTION ON HEALTH: A STUDY OF NIGERIA ENVIRONMENT. *IJSSER* 08, 11 (2023), 3400–3412. https://doi.org/10.46609/IJSSER.2023.v08i11.005

[5] Yohan Choi, Boaz Choi, and Jachin Choi. 2024. Enhancing PM2.5 Data Imputation and Prediction in Air Quality Monitoring Networks Using a KNN-SINDy Hybrid Model. https://doi.org/10.48550/ARXIV.2409.11640

[6] Neil M. Donahue. 2018. Air Pollution and Air Quality. In *Green Chemistry*. Elsevier, 151–176. https://doi.org/10.1016/B978-0-12-809270-5.00007-8

[7] Dr. Rais Abdul Hamid Khan and Mr. Kshirsagar Sopan Bapu. 2024. A Review : Air Pollution Prediction using Machine Learning Techniques. *Int. J. Sci. Res. Comput. Sci. Eng. Inf. Technol* 10, 3 (June 2024), 644–647. https://doi.org/10.32628/CSEIT241037

[8] Mirna Elbestar, Sherif G. Aly, and Rami Ghannam. 2024. Advances in Air Quality Monitoring: A Comprehensive Review of Algorithms for Imaging and Sensing Technologies. *Advanced Sensor Research* 3, 11 (November 2024), 2300207. https://doi.org/10.1002/adsr.202300207

[9] Ayşe Emel Önal (Ed.). 2022. *Air Quality and Health*. IntechOpen. https://doi.org/10.5772/intechopen.98023

[10] Jinxiao Fan, Mengshi Qi, Liang Liu, and Huadong Ma. 2024. Diffusion-driven Incomplete Multimodal Learning for Air Quality Prediction. *ACM Trans. Internet Things* (October 2024), 3702243. https://doi.org/10.1145/3702243

[11] Buddhadev Ghosh, Mallika Chowdhury, Suraj Ghosh, and Pratap Kumar Padhy. 2024. Outdoor Air Quality and Assessment of Its Potential Health Risk to Human Being. In *Air Quality and Human Health*, Pratap Kumar Padhy, Soumya Niyogi, Pulak Kumar Patra and Markus Hecker (eds.). Springer Nature Singapore, Singapore, 121–134. https://doi.org/10.1007/978-981-97-1363-9_9

[12] Rahul Gupta, Anil Kumar Yadav, S.K. Jha, and Pawan Kumar Pathak. 2024. Composition of feature selection techniques for improving the global horizontal irradiance estimation via machine learning models. *Thermal Science and Engineering Progress* 48, (February 2024), 102394. https://doi.org/10.1016/j.tsep.2024.102394

[13] Michael Hans, Erna Hikmawati, and Kridanto Surendro. 2023. Predictive Analytics Model for Optimizing Carbon Footprint From Students' Learning Activities in Computer Science-Related Majors. *IEEE Access* 11, (2023), 114976–114991. https://doi.org/10.1109/ACCESS.2023.3324725

[14] Md Kamrul Hasan Chy and Obed Nana Buadi. 2024. Role of Machine Learning in Policy Making and Evaluation. *International Journal of Innovative Science and Research Technology (IJISRT)* (October 2024), 456–463. https://doi.org/10.38124/ijisrt/IJISRT24OCT687

[15] Neng Ayu Herawati, Asyraf Atthariq Putra Gary, Erna Hikmawati, and Kridanto Surendro. 2024. A Hybrid Predictive Model as an Emission Reduction Strategy Based on Power Plants' Fuel Consumption Activity. *IEEE Access* 12, (2024), 47119–47133. https://doi.org/10.1109/ACCESS.2024.3380809

[16] Erna Hikmawati, Nur Ulfa Maulidevi, and Kridanto Surendro. 2022. Pruning Strategy on Adaptive Rule Model by Sorting Utility Items. *IEEE Access* 10, (2022), 91650–91662. https://doi.org/10.1109/ACCESS.2022.3202307

[17] Erna Hikmawati, Nur Ulfa Maulidevi, and Kridanto Surendro. 2023. Improved Classification Accuracy by Feature Selection using Adaptive Support Method. In *Proceedings of the 2023 12th International Conference on Software and Computer Applications*, February 23, 2023. ACM, Kuantan Malaysia, 171–176. https://doi.org/10.1145/3587828.3587854

[18] Sunil Kumar Jakhar. 2024. HUMAN HEALTH AND WELL BEING: HUMAN HEALTH EFFECT OF AIR POLLUTION. *IJES* 15, 01 (2024), 05–10. https://doi.org/10.53390/IJES.2024.15102

[19] Kayalvizhi Subramanian and Gunasekar Thangarasu. 2024. An Effective Air Pollution Prediction Model Using Machine Learning Algorithms. *ARASET* 47, 2 (June 2024), 68–75. https://doi.org/10.37934/araset.47.2.6875

[20] Javeria Khan, Sundus Abdul Ghani, Syed Adnan Ahmad, and Hadiya Javed. 2023. The Invisible Threat: Urban Pollution's Silent Assault on Respiratory Well-being. https://doi.org/10.22541/au.169827325.54438773/v2

[21] Sajad Haghzad Klidbary and Abazar Arabameri. 2023. A Novel Density-Based KNN in Pattern Recognition. In *2023 13th International Conference on Computer and Knowledge Engineering (ICCKE)*, November 01, 2023. IEEE, Mashhad, Iran, Islamic Republic of, 185–190. https://doi.org/10.1109/ICCKE60553.2023.10326227

[22] Osho Kothari, Nabin Kumar Sah, Konda V S Harshith Kumar, Priyanka C Nair, and Nalini Sampath. 2024. Forecasting India's Air Quality: A Machine Learning Approach for Comprehensive Analysis and Prediction. In *2023 4th International Conference on Intelligent Technologies (CONIT)*, June 21, 2024. IEEE, Bangalore, India, 1–6. https://doi.org/10.1109/CONIT61985.2024.10625932

[23] Yifan Lu, Tianle Ye, and Jiali Zheng. 2022. Decision Tree Algorithm in Machine Learning. In *2022 IEEE International Conference on Advances in Electrical Engineering and Computer Applications (AEECA)*, August 20, 2022. IEEE, Dalian, China, 1014–1017. https://doi.org/10.1109/AEECA55500.2022.9918857

[24] Nur Ulfa Maulidevi, Byan Sakura Kireyna Aji, Erna Hikmawati, and Kridanto Surendro. 2023. Modeling Integrated Sustainability Monitoring System for Carbon Footprint in Higher Education Buildings. *IEEE Access* 11, (2023), 135365–135376. https://doi.org/10.1109/ACCESS.2023.3333890

[25] Nur Ulfa Maulidevi, Vhydie G. Christianto, Erna Hikmawati, and Kridanto Surendro. 2024. Development of prediction model for information technology equipment procurement as the basis of knowledge for an Intelligent Decision Support System based on carbon emissions and End-of-Life phase. *Resources, Environment and Sustainability* 16, (June 2024), 100151. https://doi.org/10.1016/j.resenv.2024.100151

[26] Sarah Quarmby, Georgina Santos, and Megan Mathias. 2019. Air Quality Strategies and Technologies: A Rapid Review of the International Evidence. *Sustainability* 11, 10 (May 2019), 2757. https://doi.org/10.3390/su11102757

[27] Nitin Liladhar Rane, Suraj Kumar Mallick, Ömer Kaya, and Jayesh Rane. 2024. Applications of machine learning in healthcare, finance, agriculture, retail, manufacturing, energy, and transportation: A review. In *Applied Machine Learning and*

Deep Learning: Architectures and Techniques. Deep Science Publishing. https://doi.org/10.70593/978-81-981271-4-3_6

[28] Romania, Mihai-Claudiu Vieru, Mădălina Cărbureanu, and Petroleum-Gas University of Ploiesti, Romania, mcarbureanu@upg-ploiesti.ro. 2024. MACHINE LEARNING METHODS APPLIED IN AIR QUALITY PREDICTION. *JPGT* 5 (76), 1 (August 2024), 5–18. https://doi.org/10.51865/JPGT.2024.01.01

[29] Suseela Sellamuthu, Niranjan, Ayush, Vaidik Manori, Yash Chaurasia, and Prakarsh Mohan. 2024. A Comprehensive Review of Air Quality Prediction Techniques: Methods, Performance and Challenges. In *2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)*, October 03, 2024. IEEE, Kirtipur, Nepal, 1147–1156. https://doi.org/10.1109/I-SMAC61858.2024.10714587

[30] G. Shreya, B. Tharun Reddy, and V. S. G. N. Raju. 2024. Air Quality Prediction Using Machine Learning Algorithms. In *Soft Computing and Signal Processing*, Hushairi Zen, Naga M. Dasari, Y. Madhavee Latha and S. Srinivasa Rao (eds.). Springer Nature Singapore, Singapore, 465–473. https://doi.org/10.1007/978-981-99-8451-0_39

[31] Janhavi Singh, Swagata Payra, and Sunita Verma. 2023. Air Quality and Human Health. In *Geospatial Analytics for Environmental Pollution Modeling*, Fayma Mushtaq, Majid Farooq, Alok Bhushan Mukherjee and Mili Ghosh Nee Lala (eds.). Springer Nature Switzerland, Cham, 317–352. https://doi.org/10.1007/978-3-031-45300-7_13

[32] Shishir Singh and Rakesh Kumar. 2022. Air Pollution and Its Associated Impacts on Atmosphere and Biota Health. In *Extremes in Atmospheric Processes and Phenomenon: Assessment, Impacts and Mitigation*, Pallavi Saxena, Anuradha Shukla and Anil Kumar Gupta (eds.). Springer Nature Singapore, Singapore, 29–58. https://doi.org/10.1007/978-981-16-7727-4_3

[33] Amadi Gabriel Udu, Andrea Lecchini-Visintini, Steve R. Gunn, Norman Osa-uwagboe, Maryam Khaksar Ghalati, and Hongbiao Dong. 2024. Computational Resource Optimisation in Feature Selection under Class Imbalance Conditions. July 10, 2024. Tacoma, Washington, 39–46. https://doi.org/10.25080/TPGN6857

[34] Leonardo Vanneschi and Sara Silva. 2023. Decision Tree Learning. In *Lectures on Intelligent Systems*. Springer International Publishing, Cham, 149–159. https://doi.org/10.1007/978-3-031-17922-8_6

[35] Zehan Wang. 2024. The Application and Optimization of Machine Learning in Big Data Analysis. *CPL* 12, 1 (May 2024), 8–11. https://doi.org/10.54097/10e0ym54

[36] Jiayi Zhang. 2024. Analysis of machine learning methods applied to financial problems. *TCSISR* 6, (October 2024), 95–102. https://doi.org/10.62051/erpm8q62

[37] Air Quality and Pollution Assessment. Retrieved December 20, 2024 from https://www.kaggle.com/datasets/mujtabamatin/air-quality-and-pollution-assessment