DAFTAR PUSTAKA

[1] [Online]. Available: https://www.smartdraw.com/decision-tree/

[2] D. Wang, J. Hwang, J. Lee, M. Kim, and I. Lee, "Temperature-based state-of-charge estimation using neural networks, gradient boosting machine and a jetson nano device for batteries," *Energies*, vol. 16, no. 6, 2023. [Online]. Available: https://www.mdpi.com/1996-1073/16/6/2639

[3] T. Chen and C. Guestrin, "Xgboost: A scalable tree boosting system," *CoRR*, vol. abs/1603.02754, 2016. [Online]. Available: http://arxiv.org/abs/1603.02754

[4] J. Lu, J. Tang, R. Shan, G. Li, P. Rao, and N. Zhang, "Spatiotemporal analysis of the future carbon footprint of solar electricity in the united states by a dynamic life cycle assessment," *iScience*, vol. 26, 2023.

[5] D. E. NASIONAL, "Outlook energi indonesia 2023," *OUTLOOK ENERGI INDONESIA 2023*, 2023.

[6] U. Latif, N. Javaid, S. Zarin, M. Naz, A. Jamal, and A. Mateen, "Cost optimization in home energy management system using genetic algorithm, bat algorithm and hybrid bat genetic algorithm," in *2018 IEEE 32nd International Conference on Advanced Information Networking and Applications (AINA)*, 05 2018, pp. 667–677.

[7] Y. Wang, J. Yang, and C. Duan, "Research on the spatial-temporal patterns of carbon effects and carbon-emission reduction strategies for farmland in china," *Sustainability*, vol. 15, no. 13, 2023. [Online]. Available: https://www.mdpi.com/2071-1050/15/13/10314

[8] N. Shen, Y. Zhao, and R. Deng, "A review of carbon trading based on an evolutionary perspective," 2020.

[9] B. Lin and C. Huang, "Analysis of emission reduction effects of carbon trading: Market mechanism or government intervention?" *Sustainable Production and Consumption*, vol. 33, pp. 28–37, 2022. [Online]. Available: https://www.sciencedirect.com/science/article/pii/S2352550922001622

[10] N. Maamoun, "The kyoto protocol: Empirical evidence of a hidden success," *Journal of Environmental Economics and Management*, vol. 95, 2019.

[11] J. Guo, F. Gu, Y. Liu, X. Liang, J. Mo, and Y. Fan, "Assessing the impact of ETS trading profit on emission abatements based on firm-level transactions," *Nat. Commun.*, vol. 11, no. 1, p. 2078, Apr. 2020.

[12] A. Roihan, P. A. Sunarya, and A. S. Rafika, "Pemanfaatan machine learning dalam berbagai bidang: Review paper," *IJCIT (Indonesian Journal on Computer and Information Technology)*, vol. 5, no. 1, 2020.

[13] A. Aderibigbe, E. Ani, P. Ohenhen, N. Ohalete, and D. Daraojimba, "Enhancing energy efficiency with ai: A review of machine learning models in electricity demand forecasting," *Engineering Science & Technology Journal*, vol. 4, pp. 341–356, 12 2023.

[14] L. Rokach and O. Maimon, *Decision Trees*, 01 2005, vol. 6, pp. 165–192.

[15] B. Charbuty and A. Abdulazeez, "Classification based on decision tree algorithm for machine learning," *Journal of Applied Science and Technology Trends*, vol. 2, 2021.

[16] X. Cui, E. Shaojun, D. Niu, B. Chen, and J. Feng, "Forecasting of carbon emission in china based on gradient boosting decision tree optimized by modified whale optimization algorithm," *Sustainability (Switzerland)*, vol. 13, 2021.

[17] J. Wei, L. Lu, L. Zhang, and M. Zhang, "Calculation of carbon emissions from urban passenger transport based on decision tree," in *Proceedings of 4th International Conference on Resources and Environmental Research—ICRER 2022*, C. Yuan, S. Huang, X. Wang, and Z. Chen, Eds. Cham: Springer International Publishing, 2023, pp. 211–225.

[18] A. R. Panhalkar and D. D. Doye, "Optimization of decision trees using modified african buffalo algorithm," *Journal of King Saud University - Computer and Information Sciences*, vol. 34, 2022.

[19] S. K. Gunturi and D. Sarkar, "Ensemble machine learning models for the detection of energy theft," *Electric Power Systems Research*, vol. 192, 2021.

[20] S. Jafari, Z. Shahbazi, Y. C. Byun, and S. J. Lee, "Lithium-ion battery estimation in online framework using extreme gradient boosting machine learning approach," *Mathematics*, vol. 10, 2022.

[21] D. Li, Q. Ge, P. Zhang, Y. Xing, Z. Yang, and W. Nai, "Ridge regression with high order truncated gradient descent method." IEEE, 8 2020, pp. 252–255.

[22] T. Chen and C. Guestrin, "Xgboost: A scalable tree boosting system," vol. 13-17-August-2016, 2016.

[23] R. Wang, L. Wang, J. Zhang, M. He, and J. Xu, "Xgboost machine learning algorism performed better than regression models in predicting mortality of moderate-to-severe traumatic brain injury," *World Neurosurgery*, vol. 163, 2022.

[24] E. a. J. Avanijaa, "Prediction of house price using xgboost regression algorithm," *Turkish Journal of Computer and Mathematics Education (TURCOMAT)*, vol. 12, 2021.

[25] L. M. Candanedo, V. Feldheim, and D. Deramaix, "Data driven prediction models of energy use of appliances in a low-energy house," *Energy and Buildings*, vol. 140, p. 81–97, Apr 2017.

[26] Y. He and W. Song, "Analysis of the impact of carbon trading policies on carbon emission and carbon emission efficiency," *Sustainability (Switzerland)*, vol. 14, 2022.

[27] W. Huang, F. Li, S. H. Cui, L. Huang, and J. Y. Lin, "Carbon footprint and carbon emission reduction of urban buildings: A case in xiamen city, china," *Procedia Engineering*, vol. 198, pp. 1007–1017, 1 2017.

[28] K. L. HIDUP and M. R. Karliansyah, "Pedoman teknis penyusunan inventarisasi emisi pencemar udara di perkotaan," *PEDOMAN TEKNIS PENYUSUNAN INVENTARISASI EMISI PENCEMAR UDARA DI PERKOTAAN*, 2013.

[29] H. Ritchie, P. Rosado, and M. Roser, 2023. [Online]. Available: https://ourworldindata.org/grapher/carbon-intensity-electricity?tab=table#research-and-writing

[30] C. Janiesch, P. Zschech, and K. Heinrich, "Machine learning and deep learning," *Electronic Markets*, vol. 31, 2021.

[31] C. Bentéjac, A. Csörgő, and G. Martínez-Muñoz, "A comparative analysis of gradient boosting algorithms," *Artificial Intelligence Review*, vol. 54, 2021.

[32] E. Liitiäinen, M. Verleysen, F. Corona, and A. Lendasse, "Residual variance estimation in machine learning," *Neurocomputing*, vol. 72, pp. 3692–3703, 10 2009.

[33] S. Marukatat, "Tutorial on pca and approximate pca and approximate kernel pca," *Artificial Intelligence Review*, vol. 56, 2023.

[34] ——, "Tutorial on pca and approximate pca and approximate kernel pca," *Artificial Intelligence Review*, vol. 56, pp. 1–33, 10 2022.

[35] M. A. H. T. Y. M. Jasim, "Enhancement methods for energy consumption prediction in smart house based on machine learning," *Iraqi Journal For Computer Science and Mathematics*, vol. 4, 10 2023. [Online]. Available: https://journal.esj.edu.iq/index.php/IJCM/article/view/756

[36] H. Kim, S. Park, and S. Kim, "Time-series clustering and forecasting household electricity demand using smart meter data," *Energy Reports*, vol. 9, pp. 4111–4121, Dec. 2023.

[37] F. Emmert-Streib and M. Dehmer, "Evaluation of regression models: Model assessment, model selection and generalization error," 2019.

[38] D. Chicco, M. J. Warrens, and G. Jurman, "The coefficient of determination r-squared is more informative than SMAPE, MAE, MAPE, MSE and RMSE in regression analysis evaluation," *PeerJ Comput. Sci.*, vol. 7, no. e623, p. e623, Jul. 2021.

[39] L. M. Candanedo and V. Feldheim, "Accurate occupancy detection of an office room from light, temperature, humidity and co2 measurements using statistical learning models," *Energy and Buildings*, vol. 112, pp. 28–39, 2016. [Online]. Available: https://www.sciencedirect.com/science/article/pii/S0378778815304357

[40] L. Joel and W. Doorsamy, "A review of missing data handling techniques for machine learning," 09 2022.

[41] G. Nassreddine, J. Younis, and T. Falahi, "Detecting data outliers with machine learning," *Al-Salam Journal for Engineering and Technology*, vol. 2, 2023.

[42] M. Taghikhah, N. Kumar, S. Segvic, A. Eslami, and S. Gumhold, "Quantile-based maximum likelihood training for outlier detection," *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 38, pp. 21 610–21 618, 03 2024.

[43] M. M. Ahsan, M. A. Mahmud, P. K. Saha, K. D. Gupta, and Z. Siddique, "Effect of data scaling methods on machine learning algorithms and model performance," *Technologies*, vol. 9, 2021.

[44] M. F. Kabir, T. Chen, and S. A. Ludwig, "A performance analysis of dimensionality reduction algorithms in machine learning models for cancer prediction," *Healthcare Analytics*, vol. 3, 2023.

[45] E. Peters and M. Schuld, "Generalization despite overfitting in quantum machine learning models," *Quantum*, vol. 7, 2023.

[46] M. Roser, "Carbon intensity of electricity generation." [Online]. Available: https://ourworldindata.org/grapher/carbon-intensity-electricity?tab=table