

DAFTAR PUSTAKA

- Adeniran, I.A. *et al.* (2024) 'Integrating business intelligence and predictive analytics in banking: A framework for optimizing financial decision-making', *Finance & Accounting Research Journal*, 6(8), pp. 1517–1530. Available at: <https://doi.org/10.51594/farj.v6i8.1505>.
- Alabrah, A. (2023) 'An Improved CCF Detector to Handle the Problem of Class Imbalance with Outlier Normalization Using IQR Method', *Sensors*, 23(9). Available at: <https://doi.org/10.3390/s23094406>.
- Aliukov, S. (2023) 'Modeling of Rapidly Changing Macroeconomic Processes Based on the Analysis of Jump and Generalized Functions', *Mathematics*, 12(1), p. 138. Available at: <https://doi.org/10.3390/math12010138>.
- Alnajjar, A. and Abdullah Othman, A.H. (2021) 'The Impact of Capital Adequacy Ratio (CAR) on Islamic Banks' Performance in Selected MENA Countries', *IJBEG*, pp. 116–133. Available at: <https://doi.org/10.51325/ijbeg.v4i2.70>.
- Ault, D.S. V, Liao, D.S.N. and Musolino, L. (2025) *Principles of Data Science*.
- Ayub, H. and Javeed, A. (2016) 'Impact and Implications of Capital Adequacy Ratio on the Financing Behaviour: Evidence from Islamic Banks in Pakistan', *Journal of Islamic Business and Management*, (1), pp. 19–40.
- Azad, M., Nehal, T.H. and Moshkov, M. (2025) 'A novel ensemble learning method using majority based voting of multiple selective decision trees', *Computing*, 107(1). Available at: <https://doi.org/10.1007/s00607-024-01394-8>.
- Babu, V.D. and Malathi, K. (2023) 'Three-stage multi-objective feature selection with distributed ensemble machine and deep learning for processing of

- complex and large datasets’, *Measurement: Sensors*, 28, p. 100820. Available at: <https://doi.org/10.1016/j.measen.2023.100820>.
- Barnett-Itzhaki, Z. *et al.* (2020) ‘Machine learning vs. classic statistics for the prediction of IVF outcomes’, *J Assist Reprod Genet*, 37(10), pp. 2405–2412. Available at: <https://doi.org/10.1007/s10815-020-01908-1>.
- Bourel, M. *et al.* (2024) ‘Boosting diversity in regression ensembles’, *Statistical Analysis*, 17(1), p. e11654. Available at: <https://doi.org/10.1002/sam.11654>.
- Cella, L. and Martin, R. (2022) ‘Validity, consonant plausibility measures, and conformal prediction’, *International Journal of Approximate Reasoning*, 141, pp. 110–130. Available at: <https://doi.org/10.1016/j.ijar.2021.07.013>.
- Chan, J.Y. Le *et al.* (2022) ‘Mitigating the Multicollinearity Problem and Its Machine Learning Approach: A Review’, *Mathematics*, 10(8). Available at: <https://doi.org/10.3390/math10081283>.
- Dewan Perwakilan Rakyat Republik Indonesia (2008) ‘Undang-undang (UU) Nomor 21 Tahun 2008 tentang Perbankan Syariah’.
- Du, K.L. *et al.* (2025) ‘Foundations and Innovations in Data Fusion and Ensemble Learning for Effective Consensus’, *Mathematics*, 13(4). Available at: <https://doi.org/10.3390/math13040587>.
- Fawahan, L. and Marianingsih, I. (2024) ‘Konsep Mudharabah Dalam Mendukung Umkm di Masa Pandemi Covid-19’, *Al-Intaj: J. Ekon dan Perbank. Syariah*, 8(1), p. 71. Available at: <https://doi.org/10.29300/aij.v8i1.2905>.
- Fitri, M. (2016) ‘Peran Dana Pihak Ketiga Dalam Kinerja Lembaga Pembiayaan Syariah Dan Faktor-Faktor Yang Memengaruhinya’, *Economica*, 7(1), pp. 73–95. Available at: <https://doi.org/10.21580/economica.2016.7.1.1033>.

- Gangwar, J. *et al.* (2024) 'Deep learning models for the forecasting and regulation of global financial growth', *Multidiscip. Sci. J.*, 6, p. 2024ss0409. Available at: <https://doi.org/10.31893/multiscience.2024ss0409>.
- Ganie, S.M. *et al.* (2023) 'An ensemble learning approach for diabetes prediction using boosting techniques', *Front. Genet.*, 14, p. 1252159. Available at: <https://doi.org/10.3389/fgene.2023.1252159>.
- Gao, R. *et al.* (2025) 'Predicting financial distress in high-dimensional imbalanced datasets: a multi-heterogeneous self-paced ensemble learning framework', *Financial Innovation*, 11(1). Available at: <https://doi.org/10.1186/s40854-024-00745-w>.
- Grogger, J. *et al.* (2020) 'Comparing Conventional and Machine-Learning Approaches to Risk Assessment in Domestic Abuse Cases', *Journal of Empirical Legal Studies* [Preprint].
- Gujarati, D.N. and Porter, D.C. (2008) *BASIC ECONOMETRICS Fifth Edition*. 5th edn. McGraw-Hill Education.
- Guo, K. *et al.* (2021) 'Artificial intelligence and machine learning in design of mechanical materials', *Mater. Horiz.*, 8(4), pp. 1153–1172. Available at: <https://doi.org/10.1039/D0MH01451F>.
- Hmamouche, Y., Lakhali, L. and Casali, A. (2021) 'A scalable framework for large time series prediction', *Knowl Inf Syst*, 63(5), pp. 1093–1116. Available at: <https://doi.org/10.1007/s10115-021-01544-w>.
- Hoffmann, L., Fortmeier, I. and Elster, C. (2021) 'Uncertainty Quantification by Ensemble Learning for Computational Optical Form Measurements'. arXiv. Available at: <https://doi.org/10.48550/arXiv.2103.01259>.

- Hyndman, R.J. and Athanasopoulos, G. (2021) *Forecasting: Principles and Practice (3rd ed)*. Available at: <https://otexts.com/fpp3/> (Accessed: 9 May 2025).
- Ilham, I. (2024) ‘Enhancing Cardiovascular Disease Prediction Accuracy through an Ensemble Machine Learning Approach’, *ijaimi*, 2(2), pp. 95–103. Available at: <https://doi.org/10.56705/ijaimi.v2i2.157>.
- Janiesch, C., Zschiech, P. and Heinrich, K. (2021) ‘Machine learning and deep learning’, *Electron Markets*, 31(3), pp. 685–695. Available at: <https://doi.org/10.1007/s12525-021-00475-2>.
- Kolmogorov-Smirnov equality of distributions test* (no date). Available at: <https://www.stata.com/manuals15/rksmirnov.pdf> (Accessed: 8 May 2025).
- Liu, W., Suzuki, Y. and Du, S. (2025) ‘Ensemble learning algorithms based on easyensemble sampling for financial distress prediction’, *Annals of Operations Research* [Preprint]. Available at: <https://doi.org/10.1007/s10479-025-06494-y>.
- Liu, Y., Zhao, G. and Peng, X. (2019) ‘Deep Learning Prognostics for Lithium-Ion Battery Based on Ensembled Long Short-Term Memory Networks’, *IEEE Access*, 7, pp. 155130–155142. Available at: <https://doi.org/10.1109/ACCESS.2019.2937798>.
- Loffredo, E. *et al.* (2024) ‘Restoring balance: principled under/oversampling of data for optimal classification’. arXiv. Available at: <https://doi.org/10.48550/arXiv.2405.09535>.
- Lu, J. *et al.* (2018) ‘Learning under Concept Drift: A Review’, *IEEE Trans. Knowl. Data Eng.*, p. 1. Available at: <https://doi.org/10.1109/TKDE.2018.2876857>.

- Magen, R. *et al.* (2024) ‘Benign Overfitting in Single-Head Attention’. arXiv. Available at: <https://doi.org/10.48550/arXiv.2410.07746>.
- Mangina, V.S.R.S.H. (2024) ‘Adaptive boosting with dynamic weight adjustment’. arXiv. Available at: <https://doi.org/10.48550/arXiv.2406.00524>.
- Mienye, I.D. and Sun, Y. (2022) ‘A Survey of Ensemble Learning: Concepts, Algorithms, Applications, and Prospects’, *IEEE Access*, 10, pp. 99129–99149. Available at: <https://doi.org/10.1109/ACCESS.2022.3207287>.
- National Institute of Standards and Technology (NIST) (no date) *Anderson-Darling Test*. Available at: <https://www.itl.nist.gov/div898/handbook/eda/section3/eda35e.htm> (Accessed: 8 May 2025).
- Nti, I.K., Adekoya, A.F. and Weyori, B.A. (2020) ‘A comprehensive evaluation of ensemble learning for stock-market prediction’, *J Big Data*, 7(1), p. 20. Available at: <https://doi.org/10.1186/s40537-020-00299-5>.
- ‘OJK Pedia’ (no date). Available at: <https://www.ojk.go.id/id/OJK-pedia/Default.aspx>.
- Otoritas Jasa Keuangan (2014) ‘Surat Edaran Otoritas Jasa Keuangan Nomor 10/SEOJK.03/2014’. Available at: <https://www.ojk.go.id/id/regulasi/otoritas-jasa-keuangan/surat-edaran-ojk-dan-dewan-komisioner/Pages/surat-edaran-otoritas-jasa-keuangan-nomor-10-seojk-03-2014.aspx>.
- Otoritas Jasa Keuangan (2016) *Industri Jasa Keuangan Syariah*. Otoritas Jasa Keuangan. Available at:

https://sikapiuangmu.ojk.go.id/FrontEnd/images/FileDownload/207_Buku%208%20IJK%20SYARIAH-ilovepdf-compressed.pdf.

Otoritas Jasa Keuangan (2024) ‘Statistik Perbankan Syariah - September 2024’.

Available at: <https://ojk.go.id/id/kanal/syariah/data-dan-statistik/statistik-perbankan-syariah/Pages/Statistik-Perbankan-Syariah—September-2024.aspx>.

Priyanto, T., Fahmi, I. and Ismal, R. (2016) ‘Faktor-Faktor Yang Memengaruhi Pembiayaan Berbasis Bagi Hasil (Equity Financing) Pada Bank Syariah X’, *jabm* [Preprint]. Available at: <https://doi.org/10.17358/JABM.2.3.281>.

Puspadini, M. (2024) ‘Pembiayaan Bank Syariah Tumbuh 14,7%, Lebih dari Bank Konvensional’.

Available at: <https://www.cnbcindonesia.com/market/20240625113251-17-549096/pembiayaan-bank-syariah-tumbuh-147-lebih-dari-bank-konvensional>.

Rahmansyah, A.I. *et al.* (2022) ‘The Effect of Non Performing Financing and Financing to Deposit Ratio on Return On Assets’, *ASSETS*, 6(2), pp. 100–107. Available at: <https://doi.org/10.30741/assets.v6i2.849>.

Rahmawati, R. and Putriana, K. (2020) ‘Tantangan Konversi Bank Konvensional Menjadi Bank Syariah di Aceh Berdasarkan Qanun Lembaga Keuangan Syariah No 11 Tahun 2018’, *Jurnal Hukum Ekonomi Syariah*, 3(2), p. 229. Available at: <https://doi.org/10.21043/tawazun.v3i2.7725>.

Rozony, F.Z. *et al.* (2024) ‘A Systematic Review of Big Data Integration Challenges and Solutions For Heterogeneous Data Sources’, *AJB AIS*, 4(4), pp. 1–18. Available at: <https://doi.org/10.69593/ajbais.v4i04.111>.

- Shapiro, S.S. and Wilk, M.B. (1965) 'An Analysis of Variance Test for Normality (Complete Samples)', *Biometrika*, 52(3/4), pp. 591–611.
- Suardin, H.S., Hakim, L. and Mubyarto, N. (2022) 'Analisis Determinan Fungsi Intermediasi dan Profitabilitas Bank Umum Syariah di Indonesia', *Islamika*, 22(2), pp. 218–232. Available at: <https://doi.org/10.32939/islamika.v22i2.1715>.
- Widodo, R., Adhidharma, G. and Ramadhan, M.A. (2022) 'Prediksi Pertumbuhan Perbankan Syariah di Indonesia Tahun 2022', (*Islamic Banking and Finance*), 5(1), pp. 53–62. Available at: [https://doi.org/10.25299/jtb.2022.vol5\(1\).8192](https://doi.org/10.25299/jtb.2022.vol5(1).8192).
- Ye, S., Rakshe, S. and Liang, Y. (2024) 'Model-free Variable Selection and Inference for High-dimensional Data'. arXiv. Available at: <https://doi.org/10.48550/arXiv.2410.19031>.
- Yokoyama, E.P. and Mahardika, P.K. (2019) 'Pengaruh Non Performing Financing (Npf), Return On Asset (Roa), Dan Financing To Deposit Ratio (Fdr) Terhadap Capital Adequacy Ratio (Car) (Studi Kasus pada Bank Umum Syariah di Indonesia yang Terdaftar di Otoritas Jasa Keuangan pada Periode 2013–2017)', *JIMEA Jurnal Ilmiah MEA (Manajemen, Ekonomi, & Akuntansi)*, 3(2), pp. 28–44. Available at: [https://doi.org/DOI:10.31955/mea.vol3.iss2.pp 28-44](https://doi.org/DOI:10.31955/mea.vol3.iss2.pp%2028-44).
- Za, T.A. (2023) 'Konsep Investasi (al-mudharabah): Perbandingan Teori Ekonomi Syari'ah Dan Konvensional', *HEI EMA*, 2(2), pp. 27–42. Available at: <https://doi.org/10.61393/heiema.v2i2.172>.

Zhu, M. *et al.* (2024) 'Ensemble Methodology: Innovations in Credit Default Prediction Using LightGBM, XGBoost, and LocalEnsemble'. arXiv. Available at: <https://doi.org/10.48550/arXiv.2402.17979>.