

DAFTAR PUSTAKA

- Aggarwal, C. C. (2013). *Outlier Analysis*. Springer.
- Aggarwal, C. C. (2018). *Neural Networks and Deep Learning*. Cham: Springer.
- Alquist, R., Kilian, L., & Vigfusson, R. J. (2013). Forecasting the price of oil. In *Handbook of economic forecasting* (Vol. 2, pp. 427-507). Elsevier.
- Anton, H., & Rorres, C. (2000). *Elementary Linear Algebra*. United States of America: John Wiley & Sons, Inc.
- Bain, L. J., & Engelhardt, M. (1992). *Introduction to probability and mathematical statistics* (Vol. 4). Belmont, CA: Duxbury Press.
- Breitenfellner, A., & Cuaresma, J. C. (2008). Crude oil prices and the USD/EUR exchange rate. *Monetary Policy & the Economy*, (4).
- Brockwell, P. J., & Davis, R. A. (1991). *Time Series: Theory and Methods, 2nd Edition* 2nd ed. Springer.
- Busari, G. A., & Lim, D. H. (2021). Crude oil price prediction: A comparison between AdaBoost-LSTM and AdaBoost-GRU for improving forecasting performance. *Computers & Chemical Engineering*, 155, 107513.
- Cho, K., Van Merriënboer, B., Gulcehre, C., Bahdanau, D., Bougares, F., Schwenk, H., & Bengio, Y. (2014). Learning phrase representations using RNN encoder-decoder for statistical machine translation. *arXiv preprint arXiv:1406.1078*.
- Chollet, F. (2021). *Deep learning with Python*. Simon and Schuster.
- Cryer, J. D., & Chan, K. S. (2008). Time series regression models. *Time series analysis: with applications in R*, 249-276.

- DiPietro, R., & Hager, G. D. (2019). Deep learning: RNNs and LSTM. In *Handbook of Medical Image Computing and Computer Assisted Intervention* (pp. 503-519). Elsevier.
- Faisal, A. F., Rahman, A., Habib, M. T. M., Siddique, A. H., Hasan, M., & Khan, M. M. (2022). Neural networks based multivariate time series forecasting of solar radiation using meteorological data of different cities of Bangladesh. *Results in Engineering*, 13, 100365.
- Fausett, L. (1994). *Fundamental of Neural Network*. USA: Prentice-Hall Inc.
- Géron, A. (2019). *Hands-on machine learning with Scikit-Learn, Keras and TensorFlow: concepts, tools, and techniques to build intelligent systems* (2nd ed.). O'Reilly.
- Guo, J. (2019, November). Oil price forecast using deep learning and ARIMA. In *2019 International Conference on Machine Learning, Big Data and Business Intelligence (MLBDBI)* (pp. 241-247). IEEE.
- Han, J., Kamber, M., & Pei, J. (2012). *Data mining: Concepts and techniques, third edition* (3rd ed.). Morgan Kaufmann Publishers.
- Hawkins, Douglas M. (1980). *Identification of outliers*. London; New York: Chapman and Hall
- Hochreiter, S., & Schmidhuber, J. (1997). Long short-term memory. *Neural computation*, 9(8), 1735-1780.
- Hyndman, R. J., & Athanasopoulos, G. (2018). *Forecasting: principles and practice*. OTexts.
- Kingma, D. P., & Ba, J. L. (2015). ADAM: A METHOD FOR STOCHASTIC OPTIMIZATION. *The 3rd International Conference for Learning Representations*.

- Kisvari, A., Lin, Z., & Liu, X. (2021). Wind power forecasting—A data-driven method along with gated recurrent neural network. *Renewable Energy*, 163, 1895-1909.
- Kostadinov, S. (2017). *Understanding GRU Networks*. [Online]. Available at: <https://towardsdatascience.com/understanding-gru-networks-2ef37df6c9be> [Diakses 24 April 2023].
- Liu, B., Fu, C., Bielefield, A., & Liu, Y. Q. (2017). Forecasting of Chinese primary energy consumption in 2021 with GRU artificial neural network. *Energies*, 10(10), 1453.
- Liu, F. T., Ting, K. M., & Zhou, Z. H. (2008, December). Isolation forest. In *2008 eighth ieee international conference on data mining* (pp. 413-422). IEEE.
- Lizardo, R. A., & Mollick, A. V. (2010). Oil price fluctuations and US dollar exchange rates. *Energy Economics*, 32(2), 399-408.
- Marcellina, J. (2022). Metode Long Short-Term Memory (LSTM), Gated Recurrent Unit (GRU), dan Convolutional Long Short-Term Memory (Conv-LSTM) untuk Peramalan Data Runtun Waktu (Studi Kasus: Jumlah Kasus Positif Harian Covid-19 di Indonesia) (Skripsi). Program Studi Statistika, Universitas Gadjah Mada, Yogyakarta.
- Narwekar, A. & Pampar, A. (2016). *Recurrent Neural Network Architectures*. [Online] Available at: https://slazebni.cs.illinois.edu/spring17/lec20_rnn.pdf [Diakses 20 April 2023].
- Olah, C. (2015). *Understanding LSTM Networks*. [Online] Available at: <http://colah.github.io/posts/2015-08-Understanding-LSTMs/> [Diakses 24 April 2023].
- Ping, X., Yang, F., Zhang, H., Xing, C., Zhang, W., & Wang, Y. (2022). Evaluation of hybrid forecasting methods for organic Rankine cycle:

Unsupervised learning-based outlier removal and partial mutual information-based feature selection. *Applied Energy*, 311, 118682.

Ramadhan, M. A. (2022). *Prediksi Harga Saham Menggunakan Metode Kernel Principal Component Analysis-Long Short Term Memory (Skripsi)*. Program Studi Statistika, Universitas Gadjah Mada, Yogyakarta.

Ratanapakorn, O., & Sharma, S. C. (2007). Dynamic analysis between the US stock returns and the macroeconomic variables. *Applied Financial Economics*, 17(5), 369-377.

Rosadi, D. (2011). *Analisis Ekonometrika dan Runtun Waktu Terapan dengan R. Aplikasi untuk bidang ekonomi, bisnis, dan keuangan*. Yogyakarta: Andi Offset.

Rosadi, D. (2014). *Analisis Runtun Waktu dan Aplikasinya dengan R*. Yogyakarta: UGM Press.

Rumelhart, D. E., Hinton, G. E., & Williams, R. J. (1985). *Learning internal representations by error propagation*. California Univ San Diego La Jolla Inst for Cognitive Science.

Salem, F. M. (2022). *Recurrent Neural Networks*. Cham: Springer.

Srivastava, N., Hinton, G., Krizhevsky, A., Sutskever, I., & Salakhutdinov, R. (2014). Dropout: A Simple Way to Prevent Neural Networks from Overfitting. *Journal of Machine Learning Research*, 15(56), 1929–1958.

Urolagin, S., Sharma, N., & Datta, T. K. (2021). A combined architecture of multivariate LSTM with Mahalanobis and Z-Score transformations for oil price forecasting. *Energy*, 231, 120963.

Wahir, N. A., Nor, M. E., Rusiman, M. S., & Gopal, K. (2018, April). Treatment of outliers via interpolation method with neural network forecast

performances. In *Journal of Physics: Conference Series* (Vol. 995, No. 1, p. 012025). IOP Publishing.

Wang, Y., & Wu, C. (2012). Forecasting energy market volatility using GARCH models: Can multivariate models beat univariate models?. *Energy Economics*, 34(6), 2167-2181.

Wei, W. W. (2006). *Time Series Analysis Univariate and Multivariate Methods*. Boston: Pearson Education.

Wijayanti, I. E., Wahyuni, S., & Susanti, Y. (2018). *Dasar-Dasar Aljabar Linear dan Penggunaannya dalam Berbagai Bidang*. Yogyakarta: UGM Press.

Wu, Y. X., Wu, Q. B., & Zhu, J. Q. (2019). Improved EEMD-based crude oil price forecasting using LSTM networks. *Physica A: Statistical Mechanics and its Applications*, 516, 114-124.

Zhang, Y. J., & Wei, Y. M. (2010). The crude oil market and the gold market: Evidence for cointegration, causality and price discovery. *Resources Policy*, 35(3), 168-177.