

## DAFTAR PUSTAKA

- Alpaydin, Ethem. 2014. *Introduction to Machine Learning*. Massachusetts: MIT Press.
- Ankamah, Sylvia, Kaku S. Nokoe, and Wahab A. Iddrisu. 2018. "Modelling Trends of Climatic Variability and Malaria in Ghana Using Vector Autoregression." *Hindawi Malaria Research and Treatment* 2018. doi:10.1155/2018/6124321.
- Bai, Lu, Jianzhou Wang, Xuejiao Ma, and Haiyan Lu. 2018. "Air Pollution Forecast: An Overview." *International Journal of Environmental Research and Public Health* 15 (4): 1-44. doi:10.3390/ijerph15040780.
- Brownlee, Jason. 2016. *How to Check if Time Series Data is Stationary with Python*. December 30. Accessed September 4, 2021. <https://machinelearningmastery.com/time-series-data-stationary-python/>.
- Camilleri, Michel. 2004. "Forecasting using non-linear techniques in time series analysis : an overview of techniques and main issues." *2nd Computer Science Annual Workshop (CSAW'04)*. Kalkara: University of Malta. 19-28.
- Catalano, Mario, Fabio Galatioto, Margaret Bell, Anil Namdeo, and Angela Bergantino. 2016. "Improving the prediction of air pollution peak episodes generated by urban transport networks." *Environmental Science & Policy* 60: 69-83. doi:10.1016/j.envsci.2016.03.008.
- Chaniago, Dasrul, Annisa Zahara, and Indah Suci Ramadhani. n.d. "Indeks Standar Pencemar Udara (ISPU) sebagai Informasi Mutu Udara Ambien di Indonesia." *Portal Direktorat Pengendalian Pencemaran Udara*. <https://ditppu.menlhk.go.id/portal/read/indeks-standar-pencemar-udara-ispu-sebagai-informasi-mutu-udara-ambien-di-indonesia>.
- Dietz, Sebastian. 2010. *Autoregressive Neural Network Processes*. Passau.

Du, Li-hang, Qi Zhang, Cheng Gao, Hai-lin Chen, Qin Yin, Kang Ding, Ya-peng Fu, De-xin Qu, and Fei Guo. 2018. "Response Characteristics Prediction of Surge Protective Device Based on NARX Neural Network." *IEEE Transactions on Electromagnetic Compatibility* 62 (1): 74-82. doi:10.1109/TEMC.2018.2881216.

IQAir. n.d. *Air Quality in Jakarta*. Accessed July 7, 2021. <https://www.iqair.com/indonesia/jakarta>.

Keller, James M., Derong Liu, and David B. Fogel. 2016. *Fundamentals of Computational Intelligence: Neural Networks, Fuzzy Systems, and Evolutionary Computation*. New Jersey: IEEE Press Series on Computational Intelligence.

Li, Shaowei, He Huang, and Wei Lu. 2021. "A Neural Network Based Method for Multivariate Time-Series Forecasting." (*IEEE Access*) 9: 63915-63924. doi:10.1109/ACCESS.2021.3075063.

Liang, Yifeng, Jiangning Xu, Fangneng Li, and Pengfei Jiang. 2021. "Nonlinear Autoregressive Model With Exogenous Input Recurrent Neural Network to Predict Satellites' Clock Bias." *IEEE Access* 9: 24416-24424. doi:10.1109/ACCESS.2021.3053265.

Lin, Tsungnan, Bill G. Horne, Peter Tino, and C. Lee Giles. 1996. "Learning Long-Term Dependencies in NARX Recurrent Neural Networks." *IEEE Transactions on Neural Networks* 7 (6): 1329-1338. doi:10.1109/72.548162.

Lin, Tsung-Nan, C. Lee Giles, Bill G. Horne, and Sun-Yuan Kung. 1997. "A Delay Damage Model Selection Algorithm for NARX Neural Networks." *IEEE Transactions on Signal Processing* 45 (11): 2719-2730. doi:10.1109/78.650098.

Liu, Yixian, Matthew C. Roberts, and Ramteen Sioshansi. 2018. "A vector autoregression weather model for electricity supply and demand modeling." *Journal of Modern Power Systems and Clean Energy* 6 (4): 763-776. doi:10.1007/s40565-017-0365-1.

Lütkepohl, Helmut. 2005. *New Introduction to Multiple Time Series Analysis*. Berlin: Springer.

Narendra, Kumpati S., and Kannan Parthasarathy. 1990. "Identification and Control of Dynamical Systems Using Neural Networks." *IEEE Transactions on Neural Networks* 1 (1): 4-27. doi:10.1109/72.80202.

Nofriansyah, Dicky, and Gunandi Widi Nurcahyo. 2015. *Algoritma Data Mining dan Pengujian*. Yogyakarta: Deepublish.

NumPy. n.d. "numpy.append." *NumPy documentation*. <https://numpy.org/doc/stable/reference/generated/numpy.append.html>.

—. n.d. "numpy.random.rand." *NumPy documentation*. <https://numpy.org/doc/stable/reference/random/generated/numpy.random.rand.html>.

Rege, Aunshul, Zoran Obradovic, Nima Asadi, Edward Parker, Rohan Pandit, Nicholas Masceri, and and Brian Singer. 2018. "Predicting Adversarial Cyber Intrusion Stages Using Autoregressive Neural Networks." *IEEE Intelligent Systems* 33 (2): 29-39. doi:10.1109/MIS.2018.111145153.

Rumelhart, David E., Geoffrey E. Hinton, and Ronald J. Williams. 1986. "Learning representations by back-propagating errors." *Nature* 323: 533-536. doi:10.1038/323533a0.

scikit-learn. n.d. "Metrics and scoring: quantifying the quality of predictions." *scikit-learn Documentation*. [https://scikit-learn.org/stable/modules/model\\_evaluation.html#precision-recall-f-measure-metrics](https://scikit-learn.org/stable/modules/model_evaluation.html#precision-recall-f-measure-metrics).

—. n.d. "Precision Score." *scikit-learn Machine Learning in Python*. [https://scikit-learn.org/stable/modules/generated/sklearn.metrics.precision\\_score.html](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.precision_score.html).

—. n.d. "Preprocessing data." *scikit-learn Machine Learning in Python*. <https://scikit-learn.org/stable/modules/preprocessing.html#preprocessing-scaler>.

—. n.d. "Recall Score." *scikit-learn Machine Learning in Python*. [https://scikit-learn.org/stable/modules/generated/sklearn.metrics.recall\\_score.html](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.recall_score.html).

—. n.d. "sklearn.preprocessing.StandardScaler." *scikit-learn Machine Learning in Python*. <https://scikit-learn.org/stable/modules/generated/sklearn.preprocessing.StandardScaler.html>.

Scipy. n.d. "scipy.stats.ttest\_ind." *SciPy documentation*. [https://docs.scipy.org/doc/scipy/reference/generated/scipy.stats.ttest\\_ind.html](https://docs.scipy.org/doc/scipy/reference/generated/scipy.stats.ttest_ind.html).

Siegelmann, Hava T., Bill G. Horne, and C. Lee Giles. 1997. "Computational Capabilities of Recurrent NARX Neural Networks." *IEEE Transactions on Systems, Man, and Cybernetics* 27 (2): 208-215. doi:10.1109/3477.558801.

