

## DAFTAR PUSTAKA

- Abdulwahab, S., Jabreel, M., & Moreno, D. (2017). *Deep Learning Models for Paraphrases Identification*.
- Aitchison, J. & Silvey, S. (1958). Maximum-likelihood Estimation of Parameters Subject to Restraints, *Annals of Mathematical Statistics*, 29, 813-828.
- Aitchison, J. & Silvey, S. (1960). Maximum-likelihood Estimation Procedures and Associated Tests of Significance, *Journal of the Royal Statistical Society*, 22, 154-171.
- Aksu, G., Güzeller, C., & Eser, T. (2019). The Effect of the Normalization Method Used in Different Sample Sizes on the Success of Artificial Neural Network Model. *International Journal of Assessment Tools in Education*, 6, 170–192.
- Alom, M. Z., Moody, A., Maruyama, N., Van Essen, B., & Taha, T. (2018). *Effective Quantization Approaches for Recurrent Neural Networks*.
- Arora, P., Kumar, H., & Panigrahi, B. K. (2020). Prediction and analysis of COVID-19 positive cases using deep learning models: A descriptive case study of India. *Chaos, Solitons & Fractals*, 139, 110017.
- Ayoobi, N., Sharifrazi, D., Alizadehsani, R., Shoeibi, A., Gorriz, J. M., Moosaei, H., Khosravi, A., Nahavandi, S., Gholamzadeh Chofreh, A., Goni, F. A., Klemeš, J. J., & Mosavi, A. (2021). Time series forecasting of new cases and new deaths rate for COVID-19 using deep learning methods. *Results in Physics*, 27, 104495.
- Ayyadevara, K. V. (2019). *Neural Networks with Keras Cookbook: Over 70 recipes leveraging deep learning techniques across image, text, audio, and game bots*. Packt Publishing.
- Bengio, Y., Simard, P., & Frasconi, P. (1994). Learning long-term dependencies with gradient descent is difficult. *IEEE Transactions on Neural Networks*, 5(2), 157–166.
- Bishop, C. M. (2006). *Pattern Recognition and Machine Learning*. Springer.
- Biswas, S., Chadda, E., & Ahmad, F. (2015). Sentiment analysis with gated recurrent units. *Advances in Computer Science and Information Technology (ACSIT)*, 2(11), 59–63.
- Brockwell, P. J., & Davis, R. A. (1991). *Time Series: Theory and Methods*, 2nd Edition 2nd ed. Springer.
- Brownlee, J. (2017). *Long Short-Term Memory Networks With Python*. Machine Learning Mastery.

- Chung, J., Gülçehre, Ç., Cho, K., & Bengio, Y. (2014). Empirical Evaluation of Gated Recurrent Neural Networks on Sequence Modeling. *CoRR*, abs/1412.3555.
- 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. *Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 1724–1734.
- Dietz, S. (2010). *Autoregressive Neural Network Process Univariate, Multivariate, and Cointegrated Models with Application to the German Automobile Industry*, Passau: University of Passau.
- Dishashree. (2017). *Network Fundamentals of Deep Learning – Introduction to Recurrent Neural Network*. [Online] Available at: [https://www.analyticsvidhya.com/blog/2017/12/introduction-to-recurrent-neural-networks/#h2\\_8](https://www.analyticsvidhya.com/blog/2017/12/introduction-to-recurrent-neural-networks/#h2_8) [Diakses 18 Maret 2022].
- Drakos, G. (2020). *What is a Recurrent Neural Networks (RNNS) and Gated Recurrent Unit (GRUS)*. [Online] Available at: <https://gdcoder.com/what-is-a-recurrent-neural-networks-rnns-and-gated-recurrent-unit-grus/> [Diakses 19 Maret 2022].
- Elman, J. L. (1990). Finding structure in time. *Cognitive Science*, 14(2), 179–211.
- Fausett, L. (1994). *Fundamental of Neural Network*. USA: Prentice-Hall Inc.
- Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. Cambridge: MIT Press.
- Graves, A., Jaitly, N., & Mohamed, A. (2013). Hybrid speech recognition with Deep Bidirectional LSTM. *2013 IEEE Workshop on Automatic Speech Recognition and Understanding, ASRU 2013 - Proceedings*, 273–278.
- Han, J., Kamber, M., & Pei, J. (2012). *Data Mining Concepts and Techniques*. 3rd ed. Boston: Elsevier.
- Hanke, J. E. & Wichern, D. W. (2005). *Business Forecasting*. 8th ed. New Jersey: Prentice Hall.
- Hochreiter, S., & Schmidhuber, J. (1997). Long short-term memory. *Neural Computation*, 9(8), 1735–1780.
- Hong, Y.-Y., Martinez, J. J. F., & Fajardo, A. C. (2020). Day-Ahead Solar Irradiation Forecasting Utilizing Gramian Angular Field and Convolutional Long Short-Term Memory. *IEEE Access*, 8, 18741–18753.
- Hosseini, MP., Lu, S., Kamaraj, K., Slowikowski, A., and Venkatesh, H. C. (2020). "Deep Learning Architectures" in Pedrycz, W. and Chen, SM. 1st ed. *Deep*

*Learning: Concepts and Architectures (Studies in Computational Intelligence, 866)*, 1-23. Springer.

- Huang, C., Wang, Y., Li, X., Ren, L., Zhao, J., Hu, Y., Zhang, L., Fan, G., Xu, J., Gu, X., Cheng, Z., Yu, T., Xia, J., Wei, Y., Wu, W., Xie, X., Yin, W., Li, H., Liu, M., Xiao, Y., Gao, H., Guo, L., Xie, J., Wang, G., Jiang, R., Gao, Z., Jin, Q., Wang, J., Cao, B. (2020). Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China. *The Lancet*, 395(10223), 497–506.
- Idrissi, T. El, Idri, A., Abnane, I., & Bakkoury, Z. (2019, September). Predicting blood glucose using an LSTM Neural Network. *Proceedings of the 2019 Federated Conference on Computer Science and Information Systems*.
- Indrawan, R., Saadah, S., & Yunanto, P. (2021). Blood Glucose Prediction Using Convolutional Long Short-Term Memory Algorithms. *Khazanah Informatika: Jurnal Ilmu Komputer Dan Informatika*, 7.
- Jayalakshmi, T. & Santhakumaran, A. (2011). Statistical Normalization and Back Propagation for Classification. *International Journal of Computer Theory and Engineering*, 3(1), 1793-8201.
- Kelleher, J. D. (2019). *Deep Learning*. Cambridge: MIT Press.
- Kingma, D. P., & Ba, J. (2015). *Adam: A Method for Stochastic Optimization*.
- Makridakis, S. (1999). *Metode dan Aplikasi Peramalan*. Jakarta: Erlangga.
- Mohammadi, M., Mundra, R., Socher, R., Wang, L., dan Amita, K. (2019). *CS 224 n : Natural Language Processing with Deep Lecture Notes : Part V. 1–14*.
- Natarajan, S., Kumar, M., Gadde, S. K. K., & Venugopal, V. (2021). Outbreak prediction of COVID-19 using recurrent neural network with gated recurrent units. *Materials Today. Proceedings*, 10.1016/j.matpr.2021.07.266.
- Olah, C. (2015). *Understanding LSTM Networks*. [Online] Available at: <http://colah.github.io/posts/2015-08-Understanding-LSTMs/> [Diakses 18 Maret 2022].
- Our World in Data (2021). *Data on COVID-19 (coronavirus) by Our World in Data*. [Online] Available at: <https://github.com/owid/covid-19-data/blob/master/public/data/README.md> [Diakses 9 November 2021].
- Parry, J. (2020). China coronavirus: cases surge as official admits human to human transmission. *BMJ*, 368.
- Puspitorini, S. (2008). Penyelesaian Masalah Traveling Salesman Problem dengan Jaringan Saraf Self Organizing. *Media Informatika*, 6.
- Putra, J. W. G. (2020). *Pengenalan Konsep Pembelajaran Mesin dan Deep Learning*. [Online] Available at: <https://wiragotama.github.io/resources/ebook/intro-to-ml-secured.pdf> [Diakses 5 Januari 2022].

- Rahman, M. M., & Siddiqui, F. H. (2019). An Optimized Abstractive Text Summarization Model Using Peephole Convolutional LSTM. *Symmetry*, 11(10).
- Rahman, M., Saha, I., Islam, D., & Mukti, R. J. (2020). A Deep Learning Approach based on Convolutional LSTM for Detecting Diabetes. *Computational Biology and Chemistry*, 88, 107329.
- Rajasekaran, S., & Vijayalakshmi, P. G. A. (2012). *Neural networks, fuzzy logic and genetic algorithms: Synthesis and applications*. New Delhi: PHI Learning.
- 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. (1986). Learning representations by back-propagating errors. *Nature*, 323(6088), 533–536.
- Saad, M. (2020). *Deep Learning Based Approaches for Imputation of Time Series Models*. University of Waterloo.
- Shi, X., Chen, Z., Wang, H., Yeung, D.-Y., Wong, W.-K., & Woo, W. (2015). Convolutional LSTM Network: A Machine Learning Approach for Precipitation Nowcasting. *CoRR*, abs/1506.04214.
- Shwartz, S.S. & David, S.B. (2014). *Understanding Machine Learning: From Theory to Algorithms*. Cambridge University Press.
- 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.
- Strzelecki, A. (2020). Infodemiological Study Using Google Trends on Coronavirus Epidemic in Wuhan, China. *CoRR*, abs/2001.11021.
- Suhartono, S., & Endharta, A. J. (2009). PERAMALAN KONSUMSI LISTRIK JANGKA PENDEK DENGAN ARIMA MUSIMAN GANDA DAN ELMAN-RECURRENT NEURAL NETWORK. *JUTI: Jurnal Ilmiah Teknologi Informasi*, 7, 183.
- Sullivan, W. (2017). *Machine Learning for Beginners: Algorithms, Decision Tree & Random Forest Introduction*. California: CreateSpace Independent Publishing Platform.
- Szandala, T. (2021). *Review and Comparison of Commonly Used Activation Functions for Deep Neural Networks* (203–224).

- Tosepu, R., Effendy, D., & Ahmad, L. O. (2020). THE FIRST CONFIRMED CASES OF COVID-19 IN INDONESIAN CITIZENS. *Public Health of Indonesia*, 6(2), 70–71.
- Varsamopoulos, S., Bertels, K., & Almudever, C. (2018). *Designing neural network based decoders for surface codes*.
- Viadinugroho, R. A. A. (2010). Aplikasi Pembelajaran Mesin menggunakan Model Jaringan Saraf Deep Bidirectional Long Short-Term Memory untuk Pemodelan Runtun Waktu (Skripsi). Program Studi Statistika, Universitas Gadjah Mada, Yogyakarta.
- Wang, P., Zheng, X., Ai, G., Liu, D., & Zhu, B. (2020). Time series prediction for the epidemic trends of COVID-19 using the improved LSTM deep learning method: Case studies in Russia, Peru, and Iran. *Chaos, Solitons & Fractals*, 140, 110214.
- Wei, W. W. S. (2006). *Time Series Analysis Univariate and Multivariate Methods*. Boston: Pearson Education.
- Willmott, C. J., Robeson, S. M., & Matsuura, K. (2012). A refined index of model performance. *International Journal of Climatology*, 32(13), 2088–2094.
- World Health Organization. (2020). *Novel Coronavirus (2019-nCoV): situation report, 3*. World Health Organization.
- Wu, Y.-C., Chen, C.-S., & Chan, Y.-J. (2020). The outbreak of COVID-19: An overview. *Journal of the Chinese Medical Association: JCMA*, 83(3), 217–220.
- Yeung D. S., Cloete I., Shi D., & Wing W. Y. (1998). *Sensitivity Analysis of Neural Networks*. New York: Springer.
- Zeroual, A., Harrou, F., Dairi, A., & Sun, Y. (2020). Deep learning methods for forecasting COVID-19 time-Series data: A Comparative study. *Chaos, Solitons & Fractals*, 140, 110121.