DAFTAR PUSTAKA

Abadi, M., Barham, P., Chen, J., Chen, Z., Davis, A., Dean, J., Devin, M., Ghemawat, S., Irving, G., Isard, M., Kudlur, M., Levenberg, J., Monga, R., Moore, S., Murray, D. G., Steiner, B., Tucker, P., Vasudevan, V., Warden, P., … Zheng, X. (2016). *TensorFlow: A system for large-scale machine learning*. http://arxiv.org/abs/1605.08695

Agarap, A. F. (2018). *Deep Learning using Rectified Linear Units (ReLU). 1*.

Alzubaidi, L., Zhang, J., Humaidi, A. J., Al-Dujaili, A., Duan, Y., Al-Shamma, O., Santamaría, J., Fadhel, M. A., Al-Amidie, M., & Farhan, L. (2021). Review of deep learning: concepts, CNN architectures, challenges, applications, future directions. *Journal of Big Data*, *8*(1). https://doi.org/10.1186/s40537-021-00444-8

Anggara, M., Sujiani, H., & Nasution, H. (2016). Pemilihan Distance Measure Pada K-Means Clustering Untuk Pengelompokkan Member Di Alvaro Fitness. *Jurnal Sistem dan Teknologi Informasi (JUSTIN)*, *1*(1).

Bahri, Z., & Mungkin, M. (2019). *Penggunaan SCR Sebagai Alarm Peringatan Dini Pada Saat Terjadi Gempa Bumi*.

Barboza, E. V. L., de Almeida, P. R. L., Britto, A. de S., & Cruz, R. M. O. (2023). *Distance Functions and Normalization Under Stream Scenarios*. http://arxiv.org/abs/2307.00106

Beltramone, L., & Gomes, R. C. (2021). Earthquake Early Warning Systems as an Asset Risk Management Tool. Dalam *CivilEng* (Vol. 2, Nomor 1, hlm. 120–133). MDPI. https://doi.org/10.3390/civileng2010007

Beyreuther, M., Barsch, R., Krischer, L., Megies, T., Behr, Y., & Wassermann, J. (2010). ObsPy: A python toolbox for seismology. *Seismological Research Letters*, *81*(3), 530–533. https://doi.org/10.1785/gssrl.81.3.530

Cho, E., Chang, T. W., & Hwang, G. (2022). Data Preprocessing Combination to Improve the Performance of Quality Classification in the Manufacturing Process. *Electronics (Switzerland)*, *11*(3). https://doi.org/10.3390/electronics11030477

Chollet, F. (2015). keras. *GitHub repository*.

Dubey, A. K., Gupta, U., & Jain, S. (2018). Comparative study of K-means and fuzzy C-means algorithms on the breast cancer data. *International Journal on Advanced Science, Engineering and Information Technology*, *8*(1), 18–29. https://doi.org/10.18517/ijaseit.8.1.3490

Ediyanto, Mara, N., & Intisari, N. S. (2013). PENGKLASIFIKASIAN KARAKTERISTIK DENGAN METODE K-MEANS CLUSTER ANALYSIS. Dalam *Buletin Ilmiah Mat. Stat. dan Terapannya (Bimaster)* (Vol. 02, Nomor 2).

Fauzi Sistem Informasi, A., Universitas Buana Perjuangan Karawang Jl Ronggowaluyo, F. H., Timur, T., & priati, K. (2017). *Data Mining dengan Teknik Clustering Menggunakan Algoritma K-Means pada Data Transaksi Superstore*. http://community.tableau.com.

Gao, Z., & Wang, X. (2019). Deep Learning. Dalam Z. Hu Li and Zhang (Ed.), *EEG Signal Processing and Feature Extraction* (hlm. 325–333). Springer Singapore. https://doi.org/10.1007/978-981-13-9113-2_16

Ghozali, I. (2009). *Aplikasi Analisis Multivariat dengan Program SPSS*. Badan Penerbit Universitas Diponegoro.

Glorot, X., Bordes, A., & Bengio, Y. (2011). *Deep Sparse Rectifier Neural Networks*.

Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. MIT Press.

Gulli, A., & Pal, S. (2017). *Deep Learning with Keras Implement neural networks with Keras on Theano and TensorFlow*.

Havskov, J., & Ottemöller, L. (2010). *Routine Data Processing*.

Heintze, Prof. Dr. H.-J., & Kirch, I. L. (2018). *World Risk Report 2018 Focus: Child Protection and Children's Rights*.

Hussin, S. F., Birasamy, G., & Hamid, Z. (2016). Design of Butterworth Band-Pass Filter. *Journal of Engineering and Technology*, *1*. https://api.semanticscholar.org/CorpusID:113628357

Ikotun, A. M., Ezugwu, A. E., Abualigah, L., Abuhaija, B., & Heming, J. (2023). K-means clustering algorithms: A comprehensive review, variants analysis, and advances in the era of big data. *Information Sciences*, *622*, 178–210. https://doi.org/10.1016/J.INS.2022.11.139

iris.edu. (2013). *http://iris.edu/*. iris.edu. https://ds.iris.edu/ds/nodes/dmc/data/formats/miniseed/

Jeon, W., Ko, G., Lee, J., Lee, H., Ha, D., & Ro, W. W. (2021). Chapter Six - Deep learning with GPUs. Dalam S. Kim & G. C. Deka (Ed.), *Hardware Accelerator Systems for Artificial Intelligence and Machine Learning* (Vol. 122, hlm. 167–215). Elsevier. https://doi.org/https://doi.org/10.1016/bs.adcom.2020.11.003

Joshi, A. P., & Patel, B. V. (2021). Data Preprocessing: The Techniques for Preparing Clean and Quality Data for Data Analytics Process. *Oriental journal of computer science and technology*, *13*(0203), 78–81. https://doi.org/10.13005/ojcst13.0203.03

Kiranyaz, S., Avci, O., Abdeljaber, O., Ince, T., Gabbouj, M., & Inman, D. J. (2021). 1D convolutional neural networks and applications: A survey. *Mechanical Systems and Signal Processing*, *151*. https://doi.org/10.1016/j.ymssp.2020.107398

Krischer, L., Smith, J., Lei, W., Lefebvre, M., Ruan, Y., de Andrade, E. S., Podhorszki, N., Bozdağ, E., & Tromp, J. (2016). An Adaptable Seismic Data Format. *Geophysical Journal International*, *207*(2), 1003–1011. https://doi.org/10.1093/gji/ggw319

Kuo, P. H., & Huang, C. J. (2018). A green energy application in energy management systems by an artificial intelligence-based solar radiation forecasting model. *Energies*, *11*(4). https://doi.org/10.3390/en11040819

Kurniawan, R., & Yuniarto, B. (2016). *ANALISIS REGRESI: Dasar dan Penerapannya dengan R*.

Kuyuk, H. S., & Susumu, O. (2018). Real-time classification of earthquake using deep learning. *Procedia Computer Science*, *140*, 298–305. https://doi.org/10.1016/j.procs.2018.10.316

Li, Y., & Wu, Y. (2023). Long-Short-Term Memory Based on Adaptive Convolutional Network for Time Series Classification. *Neural Processing Letters*. https://doi.org/10.1007/s11063-023-11148-w

Lomax, A. (2016). *NonLinLoc (NLL)*. http://alomax.free.fr/nlloc/

Lomax, A., Michelini, A., & Jozinović, D. (2019). An Investigation of Rapid Earthquake Characterization Using Single-Station Waveforms and a Convolutional Neural Network. *Seismological Research Letters*, *90*(2 A). https://doi.org/10.1785/0220180311

Mousavi, S. M., & Beroza, G. C. (2020). *Single-Station Earthquake Location Using Deep Neural Networks*.

Naseri, H. R., & Mehrdad, V. (2023). Novel CNN with investigation on accuracy by modifying stride, padding, kernel size and filter numbers. *Multimedia Tools and Applications*, *82*(15), 23673–23691. https://doi.org/10.1007/s11042-023-14603-x

Nelli, F. (2015). The NumPy Library. Dalam F. Nelli (Ed.), *Python Data Analytics: Data Analysis and Science Using Pandas, matplotlib, and the Python Programming Language* (hlm. 35–61). Apress. https://doi.org/10.1007/978-1-4842-0958-5_3

Ozcanli, A. K., & Baysal, M. (2022). Islanding detection in microgrid using deep learning based on 1D CNN and CNN-LSTM networks. *Sustainable Energy, Grids and Networks*, *32*. https://doi.org/10.1016/j.segan.2022.100839

Paarmann, L. D. (2003). *Design and Analysis of Analog Filters: A Signal Processing Perspective* (2001st Edi). Kluwer Academic Publishers.

Pedregosa, F., Michel, V., Grisel OLIVIERGRISEL, O., Blondel, M., Prettenhofer, P., Weiss, R., Vanderplas, J., Cournapeau, D., Pedregosa, F., Varoquaux, G., Gramfort, A., Thirion, B., Grisel, O., Dubourg, V., Passos, A., Brucher, M., Perrot andÉdouardand, M., Duchesnay, andÉdouard, & Duchesnay EDOUARDDUCHESNAY, Fré. (2011). Scikit-learn: Machine Learning in Python Gaël Varoquaux Bertrand Thirion Vincent Dubourg Alexandre Passos PEDREGOSA, VAROQUAUX, GRAMFORT ET AL. Matthieu Perrot. Dalam *Journal of Machine Learning Research* (Vol. 12). http://scikit-learn.sourceforge.net.

Perol, T., Gharbi, M., & Denolle, M. (2018). *S E I S M O L O G Y Convolutional neural network for earthquake detection and location*. https://www.science.org

Renaud, O., & Victoria-Feser, M. P. (2010). A robust coefficient of determination for regression. *Journal of Statistical Planning and Inference*, *140*(7), 1852–1862. https://doi.org/10.1016/j.jspi.2010.01.008

Reyad, M., Sarhan, A. M., & Arafa, M. (2023). A modified Adam algorithm for deep neural network optimization. *Neural Computing and Applications*, *35*(23), 17095–17112. https://doi.org/10.1007/s00521-023-08568-z

SeiscomP 3 Jakarta version. (2016). *NonLinLoc*. https://www.seiscomp.de/seiscomp3/doc/jakarta/current/apps/global_nonlinloc.html

Snuverink, I. A. F. (2017). *Deep Learning for Pixelwise Classification of Hyperspectral Images A generalizing model for a fixed scene subject to temporally changing weather, lighting and seasonal conditions*.

Sriyanto, S. P. D. (2018). Pengaruh Penggunaan Filter Butterworth pada Penentuan Waktu Tiba Gelombang P. *JST (Jurnal Sains dan Teknologi)*, *7*(2), 168. https://doi.org/10.23887/jst-undiksha.v7i2.13013

Tahvili, S., & Hatvani, L. (2022). Benefits, results, and challenges of artificial intelligence. *Artificial Intelligence Methods for Optimization of the Software Testing Process*, 161–172. https://doi.org/10.1016/B978-0-32-391913-5.00017-8

Thuan, N. D., Hue, N. T., & Hong, H. S. (2023). Unsupervised Bearing Fault Diagnosis via a Multi-Layer Subdomain Adaptation Network. *International Journal of Advanced Computer Science and Applications*, *14*(5), 541–548. https://doi.org/10.14569/IJACSA.2023.0140557

Ul Haq, H. F. D. (2016). OPTIMASI MODEL REGRESI MOBILENETV3 UNTUK PENENTUAN HYPOPARAMETER GEMPA. *JMASIF*.

Wei, X., Zhou, Y., & Cao, X. (2022). *Epileptic seizure detection from multivariate sequential signals using Multidimensional convolution network Epileptic seizure prediction from multivariate sequential 1 signals using Multidimensional convolution network 2*. https://doi.org/10.21203/rs.3.rs-1976657/v1

Wibowo, A., Pratama, C., Sahara, D. P., Heliani, L. S., Rasyid, S., Akbar, Z., Muttaqy, F., & Sudrajat, A. (2022). Earthquake Early Warning System Using Ncheck and Hard-Shared Orthogonal Multitarget Regression on Deep Learning. *IEEE Geoscience and Remote Sensing Letters*, *19*. https://doi.org/10.1109/LGRS.2021.3066346

WorldRiskReport 2018 Focus: Child Protection and Children's Rights. (t.t.).

Yamashita, R., Nishio, M., Do, R. K. G., & Togashi, K. (2018). Convolutional neural networks: an overview and application in radiology. Dalam *Insights into Imaging* (Vol. 9, Nomor 4, hlm. 611–629). Springer Verlag. https://doi.org/10.1007/s13244-018-0639-9

Zhang, G., Hetland, E. A., Shan, X., Vallée, M., Liu, Y., Zhang, Y., & Qu, C. (2016). Triggered slip on a back reverse fault in the Mw6.8 2013 Lushan, China

earthquake revealed by joint inversion of local strong motion accelerograms and geodetic measurements. *Tectonophysics*, *672–673*, 24–33. https://doi.org/10.1016/J.TECTO.2016.01.031

Zhang, T., Song, S., Li, S., Ma, L., Pan, S., & Han, L. (2019). Research on gas concentration prediction models based on lstm multidimensional time series. *Energies*, *12*(1). https://doi.org/10.3390/en12010161

Zhang, X., Zhang, M., & Tian, X. (2016). *Real-time Earthquake Early Warning with Deep Learning : Application to the 2016 Central Apennines , Italy Earthquake Sequence Data set*. *June*.

Zhang, X., Zhang, M., & Tian, X. (2021). Real-Time Earthquake Early Warning With Deep Learning: Application to the 2016 M 6.0 Central Apennines, Italy Earthquake. *Geophysical Research Letters*, *48*(5). https://doi.org/10.1029/2020GL089394

Zhao, H., Liu, F., Li, L., & Luo, C. (2018). A novel softplus linear unit for deep convolutional neural networks. *Applied Intelligence*, *48*(7), 1707–1720. https://doi.org/10.1007/s10489-017-1028-7