DAFTAR PUSTAKA

- E. Threadgold, J. E. Marsh, N. Mclatchie, and L. J. Ball, "Background music stints creativity: Evidence from compound remote associate tasks,", *Applied Cognitive Psychology*, vol.33, pp. 873–888, 2019.
- [2] C. Gupta, E. Yılmaz, and H. Li, "Automatic Lyrics Aligntment and Transcription in Polyphonic Music: Does Background Music Help?", *IEEE International Conference on Acoustics, Speech and Signal Processing* (ICASSP), pp. 496-500, 2020.
- [3] Y. Tang, B. M. Fazenda, and T. J. Cox, "applied sciences Automatic Speech-to-Background Ratio Selection to Maintain Speech Intelligibility in Broadcasts Using an Objective Intelligibility Metric," *Applied Sciences*, vol. 8. no. 1, 2018.
- [4] S. Dai and G. G. Xia, "Music Style Transfer: A Position Paper," *arXiv preprint*, 2018.
- [5] T. Särkämö, "Music for the ageing brain : Cognitive, emotional, social, and neural benefits of musical leisure activities in stroke and dementia," *Dementia*, vol. 17, no. 6, pp.670-685, 2018.
- [6] K. Lems, "New Ideas for Teaching English Using Songs and Music," *English teaching forum*, vol. 56, no. 1, pp. 14–21, 2018.
- [7] R. Kubik, Y. Ryshkovets, and M. Hrendus, "Development of an Intelligent System for Selecting Songs According to the User Needs," *COLINS*, pp. 1251-1279, 2020.
- [8] J. A. Allen, E. C. Garland, R. A. Dunlop, M. J. Noad, and J. A. Allen, "Cultural revolutions reduce complexity in the songs of humpback whales," pp. 2–7, 2018.
- [9] R. Schramm, A. McLeod, M. Steedman, and E. Benetos, "Multi-pitch detection and voice assignment for a cappella recordings of multiple singers," *Proc. 18th Int. Soc. Music Inf. Retr. Conf. ISMIR 2017*, pp. 552– 559, 2017.
- [10] J. Pons, R. Gong, and X. Serra, "Score-informed syllable segmentation for

a cappella singing voice with convolutional neural networks," Proc. 18th Int. Soc. Music Inf. Retr. Conf. ISMIR 2017, pp. 383–389, 2017.

- [11] T. Stegemann, M. Geretsegger, E. P. Quoc, H. Riedl, and M. Smetana, "Music Therapy and Other Music-Based Interventions in Pediatric Health Care : An Overview," *Medicines*, vol. 6, no. 1, 2019.
- [12] L. Bresler, "Qualitative Paradigms In Music Education Research," *Visions* of *Research in Music Education*, vol. 16, no.1, 2021.
- [13] A. Robert, J. Engel, C. Raffel, C. Hawthorne, & D. Eck, "A hierarchical latent vector model for learning long-term structure in music," *International conference on machine learning*, pp. 4364–4373, 2018.
- [14] B. L. Sturm *et al.*, "Machine learning research that matters for music creation: A case study Machine learning research that matters for music creation: A case study," vol. 8215, 2019.
- [15] J. Y. Lee, C. B. Moon, and B. M. Kim, "The Color-Music Relationship Direct Modeling using Machine Learning," *Int. Conf. Ubiquitous Futur. Networks, ICUFN*, vol. 2019-July, pp. 629–631, 2019.
- [16] A. Sherstinsky, "Fundamentals of Recurrent Neural Network (RNN) and Long Short-Term Memory (LSTM) Network," vol. 404, no. March, pp. 1– 43, 2020.
- [17] S. Li, W. Li, C. Cook, C. Zhu, and Y. Gao, "Independently Recurrent Neural Network (IndRNN): Building A Longer and Deeper RNN," pp. 5457–5466.
- [18] B. R. Kilambi, A. R. Parankusham, and S. K. Tadepalli, "Instrument Recognition in Polyphonic Music Using Convolutional Recurrent Neural Networks," *ISMIR*, pp. 569-576, 2018.
- [19] L. Casini, G. Marfia, and M. Roccetti, "Some Reflections on the Potential and Limitations of Deep Learning for Automated Music Generation," 2018 IEEE 29th Annu. Int. Symp. Pers. Indoor Mob. Radio Commun., 2018.
- [20] D. Issa, M. Fatih Demirci, and A. Yazici, "Speech emotion recognition with deep convolutional neural networks," *Biomed. Signal Process. Control*, vol. 59, p. 101894, 2020.

- [21] S. Bunrit, T. Inkian, N. Kerdprasop, and K. Kerdprasop, "Text-independent speaker identification using deep learning model of convolution neural network," *Int. J. Mach. Learn. Comput.*, vol. 9, no. 2, pp. 143–148, 2019.
- [22] M. Zhang, S. Rajbhandari, W. Wang, M. Zhang, and W. Wang, "DeepCPU: Serving RNN-based Deep Learning Models 10x Faster DeepCPU: Serving RNN-based Deep Learning Models 10x Faster," 2018.
- [23] Z. Lv, J. Xu, K. Zheng, H. Yin, P. Zhao, and X. Zhou, "LC-RNN: A Deep Learning Model for Traffic Speed Prediction," *IJCAI*, pp. 3470–3476, 2018.
- [24] E. Wilcox, R. Levy, T. Morita, and R. Futrell, "What do RNN Language Models Learn about Filler–Gap Dependencies?," 1991.
- [25] G. Kurata and G. Saon, "Knowledge Distillation from Offline to Streaming RNN Transducer for End-to-end Speech Recognition," *Interspeech*, pp. 2117–2121, 2020.
- [26] S. Malik, G. Arora, A. Ahlawat, and M. Payal, "Music Generation Using Deep Learning – Char RNN," SSRN Electron. J., 2021.
- [27] J. Xie, "A Novel Method of Music Generation Based on Three Different Recurrent Neural Networks," J. Phys. Conf. Ser., vol. 1549, no. 4, 2020.
- [28] N. Kotecha and P. Young, "Generating Music using an LSTM Network," 2018, [Online].
- [29] R. T. Irene, C. Borrelli, M. Zanoni, M. Buccoli, and A. Sarti, "Automatic playlist generation using convolutional neural networks and recurrent neural networks," *Eur. Signal Process. Conf.*, vol. 2019-Septe, pp. 1–5, 2019.
- [30] Adiyansjah, A. A. S. Gunawan, and D. Suhartono, "Music recommender system based on genre using convolutional recurrent neural networks," *Procedia Comput. Sci.*, vol. 157, pp. 99–109, 2019.
- [31] DIMAS FIQH PUSKOAJI, "PEMBUATAN MUSIK MENGGUNAKAN MUSIC GENERATOR DENGAN METODE RECURRENT NEURAL NETWORK," Univ. Telkom, S1 Tek. Komput., vol. 59, 2019.
- [32] A. A. S. Gunawan, A. P. Iman, and D. Suhartono, "Automatic music

generator using recurrent neural network," Int. J. Comput. Intell. Syst., vol. 13, no. 1, pp. 645–654, 2020.

- [33] J. Smurzynski, "Pitch identification and discrimination for complex tones with many harmonics," J. Acoust. Soc. Am., vol. 87, no. 1, pp. 304–310, 1990.
- [34] A. J. Oxenham, "Pitch perception," J. Neurosci., vol. 32, no. 39, pp. 13335–13338, 2012.
- [35] L. J. Trainor and A. Unrau, *Development of Pitch and Music Perception*, no. January 2012. 2012.
- [36] E. A. Armas Vega, E. González Fernández, A. L. Sandoval Orozco, and L. J. García Villalba, "Copy-move forgery detection technique based on discrete cosine transform blocks features," *Neural Comput. Appl.*, vol. 33, no. 10, pp. 4713–4727, 2021.
- [37] A. O. Salau, I. Oluwafemi, K. F. Faleye, and S. Jain, "Audio Compression Using a Modified Discrete Cosine Transform with Temporal Auditory Masking," 2019 Int. Conf. Signal Process. Commun. ICSC 2019, pp. 135– 142, 2019.
- [38] S. Debnath and P. Roy, "Appearance and shape-based hybrid visual feature extraction: toward audio-visual automatic speech recognition," *Signal, Image Video Process.*, vol. 15, no. 1, pp. 25–32, 2021.
- [39] S. H. Forrester, "Music Teacher Knowledge: An Examination of the Intersections Between Instrumental Music Teaching and Conducting," J. *Res. Music Educ.*, vol. 65, no. 4, pp. 461–482, 2018.
- [40] J. F. Montesinos, V. S. Kadandale, and G. Haro, "A cappella: Audio-visual Singing Voice Separation," 2021, [Online].
- [41] S. Picard, C. Chapdelaine, C. Cappi, L. Gardes, E. Jenn, B. Lefevre, T. Soumarmon, "Ensuring Dataset Quality for Machine Learning Certification," 2020 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW), pp. 275-282, 2020.
- [42] R. Hennequin, A. Khlif, F. Voituret, and M. Moussallam, "Spleeter: a fast and efficient music source separation tool with pre-trained models," *J.*

Open Source Softw., vol. 5, no. 50, pp. 2154, 2020.

- [43] L. Deng and D. Yu, "Deep learning: Methods and applications," Foundations and trends® in signal processing., vol. 7, no. 3–4, pp. 197– 387, 2014.
- [44] C. Janiesch, P. Zschech, and K. Heinrich, "Machine learning and deep learning," *Electronic Markets*, vol. 31, no. 3, pp. 685–695, 2021.
- [45] Y. Lecun, Y. Bengio, and G. Hinton, "Deep learning," *Nature*, vol. 521, no. 7553, pp. 436–444, 2015.
- [46] S. Minaee, N. Kalchbrenner, E. Cambria, N. Nikzad, M. Chenaghlu, and J. Gao, "Deep Learning Based Text Classification: A Comprehensive Review," vol. 54, no. 3, 2020, [Online].
- [47] H. Wu, J. Soraghan, A. Lowit, and G. Di Caterina, "A deep learning method for pathological voice detection using convolutional deep belief network," *Proc. Annu. Conf. Int. Speech Commun. Assoc. INTERSPEECH*, vol. 2018-Septe, pp. 446–450, 2018.
- [48] R. Wang, T. Lei, R. Cui, B. Zhang, H. Meng, and A. K. Nandi, "Medical image segmentation using deep learning: A survey," *IET Image Process.*, vol. 16, no. 5, pp. 1243–1267, 2022.
- [49] F. Pérez-Hernández, S. Tabik, A. Lamas, R. Olmos, H. Fujita, and F. Herrera, "Object Detection Binary Classifiers methodology based on deep learning to identify small objects handled similarly: Application in video surveillance," *Knowledge-Based Syst.*, vol. 194, no. xxxx, p. 105590, 2020.
- [50] L. Xu and K. Veeramachaneni, "Synthesizing Tabular Data using Generative Adversarial Networks," 2018, [Online].
- [51] Q. Rao and J. Frtunikj, "Deep learning for self-driving cars: Chances and challenges: Extended Abstract," *Proc. - Int. Conf. Softw. Eng.*, pp. 35–38, 2018.
- [52] E. Breck, N. Polyzotis, S. Roy, S. E. Whang, and M. Zinkevich, "Data Validation for Machine Learning," *Proc. Mach. Learn. Syst. 1 (MLSys* 2019), pp. 334–347, 2019, [Online].
- [53] H. Ben Braiek and F. Khomh, "On testing machine learning programs," J.

Syst. Softw., vol. 164, 2020.

- [54] Y. Su, J. Li, A. Plaza, A. Marinoni, P. Gamba, and S. Chakravortty,
 "DAEN: Deep Autoencoder Networks for Hyperspectral Unmixing," *IEEE Trans. Geosci. Remote Sens.*, vol. 57, no. 7, pp. 4309–4321, 2019.
- [55] D. Molho *et al.*, "Deep Learning in Single-Cell Analysis," pp. 1–77, 2022, [Online].
- [56] S. H. S. Basha, S. R. Dubey, V. Pulabaigari, and S. Mukherjee, "Impact of fully connected layers on performance of convolutional neural networks for image classification," *Neurocomputing*, vol. 378, pp. 112–119, 2020.
- [57] V. Passricha and R. K. Aggarwal, "End-to-end acoustic modeling using convolutional neural networks," *Intell. Speech Signal Process.*, pp. 5–37, 2019.
- [58] W. Fang, P. E. D. Love, H. Luo, and L. Ding, "Computer vision for behaviour-based safety in construction: A review and future directions," *Adv. Eng. Informatics*, vol. 43, no. August 2019, p. 100980, 2020.
- [59] H. C. Li, Z. Y. Deng, and H. H. Chiang, "Lightweight and resourceconstrained learning network for face recognition with performance optimization," *Sensors (Switzerland)*, vol. 20, no. 21, pp. 1–20, 2020.
- [60] D. H. Hubel and T. N. Wiesel, "Receptive fields, binocular interaction and functional architecture in the cat's visual cortex," *J. Physiol.*, vol. 160, no. 1, pp. 106–154, 1962.
- [61] K. O'Shea and R. Nash, "An Introduction to Convolutional Neural Networks," pp. 1–11, 2015, [Online].
- [62] S. Albawi, O. Bayat, S. Al-Azawi, and O. N. Ucan, "Social touch gesture recognition using convolutional neural network," *Comput. Intell. Neurosci.*, vol. 2018, 2018.
- [63] F. Demir, A. M. Ismael, and A. Sengur, "Classification of Lung Sounds with CNN Model Using Parallel Pooling Structure," *IEEE Access*, vol. 8, pp. 105376–105383, 2020.
- [64] T. Donkers, B. Loepp, and J. Ziegler, "Sequential user-based recurrent neural network recommendations," *RecSys 2017 Proc. 11th ACM Conf.*

Recomm. Syst., pp. 152–160, 2017.

- [65] M. Kaur and A. Mohta, "A Review of Deep Learning with Recurrent Neural Network," *Proc. 2nd Int. Conf. Smart Syst. Inven. Technol. ICSSIT* 2019, no. Icssit, pp. 460–465, 2019.
- [66] F. Ilhan, O. Karaahmetoglu, I. Balaban, and S. S. Kozat, "Markovian RNN: An Adaptive Time Series Prediction Network With HMM-Based Switching for Nonstationary Environments," *IEEE Trans. Neural Networks Learn. Syst.*, pp. 1–14, 2021.
- [67] S. Li, W. Li, C. Cook, C. Zhu, and Y. Gao, "Independently Recurrent Neural Network (IndRNN): Building A Longer and Deeper RNN," Proc. IEEE Comput. Soc. Conf. Comput. Vis. Pattern Recognit., pp. 5457–5466, 2018.
- [68] P. T. Yamak, L. Yujian, and P. K. Gadosey, "A comparison between ARIMA, LSTM, and GRU for time series forecasting," ACM Int. Conf. Proceeding Ser., pp. 49–55, 2019.
- [69] R. Dey and F. M. Salem, "Gate-Variants of Gated Recurrent Unit (GRU)," *Midwest Symp. Circuits Syst. Inst. Electr. Electron. Eng. Inc.*, vol. 784, no. 2017, pp. 1597–1600, 2017.
- [70] C. C. Chatterjee, M. Mulimani, and S. G. Koolagudi, "Polyphonic sound event detection using transposed convolutional recurrent neural network," *ICASSP, IEEE Int. Conf. Acoust. Speech Signal Process. - Proc.*, vol. 2020-May, pp. 661–665, 2020.
- [71] W. Yu, I. Y. Kim, and C. Mechefske, "Remaining useful life estimation using a bidirectional recurrent neural network based autoencoder scheme," *Mech. Syst. Signal Process.*, vol. 129, pp. 764–780, 2019.
- [72] D. Utebayeva, A. Almagambetov, M. Alduraibi, Y. Temirgaliyev, L. Ilipbayeva, and S. Marxuly, "Multi-label UAV sound classification using Stacked Bidirectional LSTM," *Proc. 4th IEEE Int. Conf. Robot. Comput. IRC 2020*, pp. 453–458, 2020.
- [73] A. Shewalkar, D. nyavanandi, and S. A. Ludwig, "Performance Evaluation of Deep neural networks Applied to Speech Recognition: Rnn, LSTM and

GRU," J. Artif. Intell. Soft Comput. Res., vol. 9, no. 4, pp. 235–245, 2019.

- [74] Q. Wang, Y. Ma, K. Zhao, and Y. Tian, "A Comprehensive Survey of Loss Functions in Machine Learning," *Ann. Data Sci.*, vol. 9, no. 2, pp. 187–212, 2022.
- [75] W. Wang and Y. Lu, "Analysis of the Mean Absolute Error (MAE) and the Root Mean Square Error (RMSE) in Assessing Rounding Model," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 324, no. 1, 2018.
- [76] K. Kawaharazuka *et al.*, "Object Recognition, Dynamic Contact Simulation, Detection, and Control of the Flexible Musculoskeletal Hand Using a Recurrent Neural Network with Parametric Bias," *IEEE Robot. Autom. Lett.*, vol. 5, no. 3, pp. 4580–4587, 2020.
- [77] C. Andrade, "Understanding the Difference Between Standard Deviation and Standard Error of the Mean, and Knowing When to Use Which," *Indian J. Psychol. Med.*, vol. 42, no. 4, pp. 409–410, 2020.
- [78] J. Jiang and Y. C. Lai, "Model-free prediction of spatiotemporal dynamical systems with recurrent neural networks: Role of network spectral radius," *Phys. Rev. Res.*, vol. 1, no. 3, p. 33056, 2019.
- [79] E. I. Muda Nasution, A. Sabar, I. R. Siti Salami, and D. Marganingrum,
 "Rationalization of Discharge Data Fluctuations Using Minimum Residuals Model of Moving Average Methods in Citarum Cascade Reservoirs," *Int. J. GEOMATE*, vol. 19, no. 75, pp. 209–214, 2020.
- [80] S. Rizvi, B. Rienties, and S. A. Khoja, "The role of demographics in online learning; A decision tree based approach," *Comput. Educ.*, vol. 137, no. April, pp. 32–47, 2019.
- [81] B. Charbuty and A. Abdulazeez, "Classification Based on Decision Tree Algorithm for Machine Learning," J. Appl. Sci. Technol. Trends, vol. 2, no. 01, pp. 20–28, 2021.
- [82] J. P. Herbst, "Historical development, sound aesthetics and production techniques of the distorted electric guitar in metal music," *Met. Music Stud.*, vol. 3, no. 1, pp. 23–46, 2017.
- [83] B. P. Poulopoulos, "The Guitar as an ' Open-air ' Instrument in the Early

Romantic Era," no. 1, pp. 1–2, 1815.

- [84] C. Gan, D. Huang, P. Chen, J. B. Tenenbaum, and A. Torralba, "Foley Music: Learning to Generate Music from Videos," *Lect. Notes Comput. Sci. (including Subser. Lect. Notes Artif. Intell. Lect. Notes Bioinformatics)*, vol. 12356 LNCS, pp. 758–775, 2020.
- [85] H. Gonc and J. M. Corchado, "Towards an Automated Composer of Popular Spanish Songs : Integrating a Music Generator and a Song Lyrics Generator," pp. 100–106.
- [86] A. Saxena, M. Dhadwal, and M. Kowsigan, "Indian Crop Production: Prediction And Model Deployment Using Ml And Streamlit," *Turkish J. Physiother. Rehabil.*, vol. 32, no. 3, p. 3, 2021.