

References

- Alsmadi, M. K., Bin Omar, K., Noah, S. A., & Almarashdah, I. (2009). Performance Comparison of Multi-layer Perceptron (Back Propagation, Delta Rule and Perceptron) algorithms in Neural Networks. *IEEE International Conference on Advance Computing*, 296-299.
- Alsmadi, M. K. S., Omar, K. B., & Noah, S. A. (2009). Back propagation algorithm: the best algorithm among the multi-layer perceptron algorithm. *International Journal of Computer Science and Network Security*, 9(4), 378-383.
- Aussem, A. (1999). Dynamical recurrent neural networks towards prediction and modeling of dynamical systems. *Neurocomputing*, 28(1-3), 207-232.
- Beale, M., Hagan, M., & Demuth, H. (2010). Neural Network Toolbox User's Guide
- Benzeghiba, M., De Mori, R., Deroo, O., Dupont, S., Erbes, T., Jouvét, D., et al. (2007). Automatic speech recognition and speech variability: A review. *Speech Communication*, 49(10-11), 763-786.
- Botros, N. (1991). *Neural Nets for Speech Recognition Advantages And Limitations*.
- Carlson, R., & Glass, J. (1992). Vowel classification based on analysis-by-synthesis. *STL-QPSR*, 33(4), 017-027.
- Davis, K., Biddulph, R., & Balashek, S. (2002). Automatic recognition of spoken digits. *Clearing House*, 10, 24-06.
- Dede, G., & Sazli, M. H. (2010). Speech recognition with artificial neural networks. *Digital Signal Processing*, 20(3), 763-768.
- Demuth, H., & Beale, M. (1992). Neural Network Toolbox. *Neural Network Toolbox User's Guide*, 2003.
- El-Ramly, S. H., Abdel-Kader, N., & El-Adawi, R. (2002). *Neural networks used for speech recognition*.
- Faisal, T., Taib, M. N., & Ibrahim, F. (2010). Neural network diagnostic system for dengue patients risk classification. *Journal of Medical Systems*, 1-16.
- Feng, C. X. J., Yu, Z. G. S., Emanuel, J., Li, P. G., Shao, X. Y., & Wang, Z. H. (2008). Threefold versus fivefold cross-validation and individual versus average data in predictive regression modelling of machining experimental data. *International Journal of Computer Integrated Manufacturing*, 21(6), 702-714.
- Giuliani, D., & Gerosa, M. (2003). Investigating recognition of children's speech. *IEEE International Conference on Acoustics, Speech, and Signal Processing*, 2, 137-140.
- Hassan, A. (1980). *Linguistik Am Untuk Guru Bahasa Malaysia*.

- Hippert, H. S., Pedreira, C. E., & Souza, R. C. (2001). Neural networks for short-term load forecasting: A review and evaluation. *IEEE Transactions on Power Systems*, 16(1), 44-55.
- Kandaswamy, A., Kumar, C. S., Ramanathan, R. P., Jayaraman, S., & Malmurugan, N. (2004). Neural classification of lung sounds using wavelet coefficients. *Computers in Biology and Medicine*, 34(6), 523-537.
- Karim, N. S., Onn, F. M., Musa, H., & Mahmood, A. H. (1995). *Tatabahasa Dewan, new ed.*
- Kermani, B. G., Schiffman, S. S., & Nagle, H. T. (2005). Performance of the Levenberg-Marquardt neural network training method in electronic nose applications. *Sensors and Actuators B: Chemical*, 110(1), 13-22.
- Kohavi, R. (1995). A study of cross-validation and bootstrap for accuracy estimation and model selection. *International Joint Conference on Artificial Intelligence*, 14, 1137-1145.
- Krogh, A., & Vedelsby, J. (1995). Neural network ensembles, cross validation, and active learning. *Advances in neural information processing systems*, 231-238.
- Kumar, T. L., Kumar, T. K., & Rajan, K. S. (2009). Speech Recognition Using Neural Networks. *International Conference on Signal Processing Systems*, 248-252.
- Lee, S., & Iverson, G. K. (2009). Vowel development in English and Korean: Similarities and differences in linguistic and non-linguistic factors. *Speech Communication*, 51(8), 684-694.
- Lera, G., & Pinzolas, M. (2002). Neighborhood based Levenberg-Marquardt algorithm for neural network training. *IEEE Transactions on Neural Networks*, 13(5), 1200-1203.
- Liang, Y. (2010). Application of Elman Neural Network in Short-Term Load Forecasting. *International Conference on Artificial Intelligence and Computational Intelligence (AICI)*, 2, 141-144.
- Lingling, Z., & Kuihe, Y. (2009). Application of Vowel Recognition Model Based on Improved SVM Algorithm. *Symposium on Photonics and Optoelectronics*, 1-4.
- Liu, H., & Ng, M. L. (2009). Formant characteristics of vowels produced by Mandarin esophageal speakers. *Journal of Voice*, 23(2), 255-260.
- Love, C., & Kinsner, W. (1991). A speech recognition system using a neural network model for vocal shaping. *IEEE Western Canada Conference on Computer, Power and Communications Systems in a Rural Environment*, 216-220.
- Nazari, M., Sayadiyan, A., & Valiollahzadeh, S. M. (2008). Speaker-Independent Vowel Recognition in Persian Speech. *3rd International Conference on Information and Communication Technologies: From Theory to Applications*, 1-5.

- Negnevitsky, M. (2005). *Artificial Intelligence: A Guide to Intelligent Systems* (2 ed., pp. 165-187): Pearson Education.
- Nolan, F. (1980). The phonetic bases of speaker recognition.
- Nong, T. H., & Yunus, J. (2004). Speaker-independent Malay vowel recognition of children using multi-layer perceptron. *Proceedings of IEEE Region 10 International Conference on Electrical and Electronic Technology*, 1, 68-71.
- Nong, T. H., Yunus, J., Salleh, S. H. S., & Cheah, E. L. (2001). Malay syllable recognition based on multilayer perceptron and dynamic time warping. *Sixth International Symposium on Signal Processing and its Applications*, 2, 743-744.
- Potamianos, A., & Narayanan, S. (2003). Robust recognition of children's speech. *IEEE Transactions on Speech and Audio Processing*, 11(6), 603-616.
- Potamianos, A., & Narayanan, S. (2007). A review of the acoustic and linguistic properties of children's speech. *IEEE 9th Workshop on Multimedia Signal Processing*, 22-25.
- Qin, Y., & Vaseghi, S. (2003). Analysis, modelling and synthesis of formants of British, American and Australian accents. *IEEE International Conference on Acoustics, Speech, and Signal Processing*, 1, 712-715.
- Riedmiller, M., & Braun, H. (1993). A direct adaptive method for faster backpropagation learning: the RPROP algorithm. *IEEE International Conference on Neural Networks*, 1, 586-591.
- Shahrul, A. M. Y., Siraj, F., Yaacob, S., Paulraj, M. P., & Nazri, A. (2010). Improved Malay Vowel Feature Extraction Method Based on First and Second Formants. *Second International Conference on Computational Intelligence, Modelling and Simulation (CIMSIM)*, 339-344.
- Sorsa, T., Koivo, H. N., & Koivisto, H. (1991). Neural networks in process fault diagnosis. *IEEE Transactions on Systems, Man and Cybernetics*, 21(4), 815-825.
- Vuckovic, V., & Stankovic, M. (2001). Formant analysis and vowel classification methods. *5th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Service*, 1, 21-24.
- Wilpon, J. G., & Jacobsen, C. N. (1996). A study of speech recognition for children and the elderly. *IEEE International Conference on Acoustics, Speech, and Signal Processing*, 1, 349-352.
- Xiaoming, W., & Baoyu, Z. (1998). A new neural network oriented speech recognition. *International Conference on Communication Technology*, 2, 4 pp.
- Yuan-Chu, C., Wei-Min, Q., & Jie, Z. (2008). A new Elman neural network and its dynamic properties. *IEEE Conference on Cybernetics and Intelligent Systems*, 971-975.

Yuan-Chu, C., Wei-Min, Q., & Wei-You, C. (2002). Dynamic properties of Elman and modified Elman neural network. *International Conference on Machine Learning and Cybernetics*, 2, 637-640.