

## References

- Bishop, C. M. (1995). Neural network for pattern recognition. Oxford : Clarendon Press.
- Fu, L. (1994). Neural networks in computer intelligence. McGraw-Hill, Inc.
- Gaweda, A. E., Setiono, R., and Zurada, J. M. (2000). *"Rule extraction from feed-forward neural network for function approximation."* In: Proceedings of the 5<sup>th</sup> Conference on Neural Networks and Soft Computing, Zakopane, Poland, pp. 311-316.
- Gill, P. E., Mao, Z. H., and Li, Y. D. (1981). Practical optimization. New York: Academic.
- Hertz, J., Krogh, A. and Palmer, R. G. (1991). Introduction to the theory of neural computation, Redwood City, CA: Addison Wesley.
- Hogg, R. V., Tains, E. A. (1997a). Probability and statistical inference-5<sup>th</sup> ed, New Jersey: Prentice Hall, pp. 394-455.
- Hogg, R. V., Tains, E. A. (1997b). Probability and statistical inference-5<sup>th</sup> ed, New Jersey: Prentice Hall, pp. 608-614.
- Karnin, E. D. (1990). *"A simple procedure for pruning back-propagation trained neural networks."* IEEE Transactions on Neural Networks, Vol. 1, No. 2, pp.239-242.
- Kerber, R. (1992). *"ChiMerge: Discretization of numeric attributes."* In: Proceedings Ninth National Conference on Artificial Intelligence, Menlo Park, CA: AAAI Press, pp. 123-128.
- Lloyd, S. P. (1982). *"Least squares quantization in PCM."* IEEE Transactions on Information Theory, Vol. 28, No. 2, 129-137.
- Liu, H., and Setiono, R. (1995). *"Chi2: Feature selection and discretization of numeric attributes."* In: Proceedings of the Seventh International Conference on Tools with Artificial Intelligence, pp. 388-391.
- Liu, H., and Tan, S. T. (1995). *"X2R: A fast rule generator."* In: Proceedings of IEEE International Conference on Systems, Man and Cybernetics, IEEE Press.
- Malkiel, B. G., (1962). *"Expectations, bond prices, and the term structure of interest rates."* Quarterly Journal of Economics, Vol 76, No. 2, pp.197-218.

- Murty, K. G., (1983). Linear Programming. New York: John Wiley & Sons, pp.91-181.
- Neter, J., Kuter, M.H., Nachtsheim C.J., and Wasserman W. (1996). Applied linear regression models 3<sup>rd</sup> ed. Richard D. Irwin, pp. 640.
- Quinlan, J. R. (1993), C4.5: Programs for machine learning. Sam Mateo, CA: Morgan Kaufmann.
- Rosenblatt, F. (1958), "The perceptron: a probabilistic model for information storage and organization in the brain." Psychological Review, Vol. 65, pp. 386-408.
- Rumelhart, D.E., Hinton, G.E., and Williams, R. (1986). "Learning internal representation by error propagation." Parallel Distributed Processing. Cambridge, MA: MIT Press, Vol. 1, pp. 318-362.
- Saito, K., and Nakano R. (2002). "Extracting regression rules from neural networks." Neural Network, Vol. 15, No. 10, pp. 1297-1288.
- Saito, K., and Nakano R. (2000). "Discovery of relevant weight by minimizing cross-validation error." In: Proceedings of the Fourth Pacific-Asia Conference on Knowledge Discovery and Data Mining, Kyoto, Japan, pp. 372-375.
- Seber, G.A.F., and Wild, C.J. (1989). Nonlinear regression. New York: John Wiley & Sons, pp. 465-471
- Setiono, R., Leow, W. K., and Zurada, J. M. (2002). "Extraction of rules from artificial neural networks for nonlinear regression," IEEE Transactions on Neural Networks, Vol. 13, No. 3, pp. 564-577.
- Setiono, R. (1997). "A penalty function approach for pruning feed-forward neural networks." Neural Computation, Vol. 9, No. 1, pp.185-204.
- Setiono, R., and Liu, H. (1997). "NeuroLinear: From neural networks to oblique decision rules." Neurocomputing, Vol. 17, No. 1, pp. 1-24.
- Setiono, R., and Liu, H. (1996). "Symbolic representation of neural networks." IEEE Computer, Vol. 29, No. 3, pp. 71-77.
- Sharpe, W. F. and Alexander, G. J. (1990). Investments-the fourth edition. New Jersey: Prentice-Hall, Inc, pp.382-384.
- Simth, M. (1993). Nerual networks for statistical modeling. New York: Van Nostrand Reinhold, pp.167.

- Stone, M. (1974). *"Cross-validatory choice and assessment of statistical predictions (with discussion)." Journal of the Royal Statistical Society B*, Vol. 36, No. 1, pp.111-147.
- Taha, I. A., and Ghosh, J. (1999). *"Symbolic interpretation of artificial neural networks."* IEEE Transactions on Knowledge and Data Engineering, Vol. 11, No. 3, pp.448-463.
- Taha, I. A., and Ghosh, J. (1996). *"Three techniques for extracting rule from feed-forward networks."* In: Dagli, C. H., Akay, M., Fernandez, B., Chen, C. L. P., Ghosh J. (Eds). Intelligent Engineering System Through Artificial Neural Networks (Volume 6), St. Louis: ASME Press, pp.23-28.
- The MathWorks, Inc. (2002). Optimization Toolbox User's Guide. [Online]. Available: [http://www.mathworks.com/access/helpdesk/help/pdf\\_doc/optim/optim\\_tb.pdf](http://www.mathworks.com/access/helpdesk/help/pdf_doc/optim/optim_tb.pdf)
- Towell, G., and Shavlik, J. (1993). *"The extraction of refined rules from knowledge-based neural networks."* Machine Learning, Vol. 13, No. 1, pp. 71-101.
- Vapnik, V. (1995). *"The nature of statistical learning theory."* New York: Springer-Verlag.
- Van Ooyen, A., Nienhuis, B. (1992). *"Improving the convergence of the backpropagation algorithm."* Neural Networks, Vol. 5, No. 3, pp.465-471.
- Weijters, T., and Bosch, A. V. D. (1998). *"Interpretable neural networks with BP-SOM,"* In: Tasks and Methods in Applied Artificial Intelligence. Lecture Notes in Artificial Intelligence 1416(A. del Pobil, J. Mira, and M. Ali, eds.), Berlin: Springer, pp. 564-573.
- Zhou, R. R., Chen, S. F., and Chen, Z. Q. (2000). *"A statistics based approach for extracting priority rules from trained neural networks."* In: Proceedings of the IEEE-INNS-ENNS International Join Conference on Neural Network, Como, Italy, Vol. 3, pp. 401-406.