

DAFTAR PUSTAKA

- Afshar, K. and Bigdeli, N. (2011). Data analysis and short term load forecasting in Iran electricity market using singular spectral analysis (SSA). *Energy*, 36(5), 2620-2627.
- Box, G. E. P. and Jenkins, G. M. (1976). *Time Series Analysis: Forecasting and Control*. San Francisco: Holden Day.
- Businger, P. and Golub, G. H. (1965). Linear least squares solutions by householder Transformation. *Numerische Mathematik*, 7, 269-276.
- Briceño, H., Rocco, C. M., and Zio, E. (2013). Singular spectrum analysis for forecasting of electric load demand. *Chemical Engineering Transactions*, 33, 919-924.
- Brockwell, P. J. and Davis, R. A. (1991). *Time Series: Theory and Methods* (2nd ed.). Springer-Verlag.
- Brockwell, P. J. and Davis, R. A. (2002). *Introduction to time series and forecasting* (2nd ed.). Springer-Verlag.
- Chen, K.F. (2010). Estimating parameters of a sine wave by separable nonlinear least squares fitting. *IEEE Trans. Instrum. Meas*, 59(12), 3214–3217.
- Cleveland, R. B., Cleveland, W. S., and Terpenning, I. (1990). STL: A seasonal-trend decomposition procedure based on loess. *Journal of Official Statistics*, 6(1), 3-33.
- Cox, D.R. and Hinkley, D.V. (1974). *Theoretical Statistics*. London: Chapman and Hall.
- Dagum, E. B. (1978). Modelling, forecasting and seasonally adjusting economic time series with the X-11 ARIMA method. *Journal of the Royal Statistical Society. Series D (The Statistician)*, 27(3/4), 203-216.

- De Gooijer, J. G. and Hyndman, R. J. (2006). 25 years of time series forecasting. *International Journal of Forecasting*, 22(3), 443-473.
- De Livera, A. M., Hyndman, R. J., and Snyder, R. D. (2011). Forecasting time series with complex seasonal patterns using exponential smoothing. *Journal of the American Statistical Association*, 106(496), 1513-1527.
- Dokumentov, A. and Hyndman, R. J. (2015). STR: a seasonal-trend decomposition procedure based on regression. Monash University, Department of Econometrics and Business Statistics. pdfs.semanticscholar.org/1157/f1e81ac281d695b48ac658e364f4f3b898f8.pdf
- Johnson, D. H. (2006). Signal-to-noise ratio. *Scholarpedia*, 1(12):2088. <http://dx.doi.org/10.4249/scholarpedia.2088>
- Elsner, J. B. (2002). Analysis of time series structure: SSA and related techniques. *Journal of the American Statistical Association*, 97(460), 1207-1208. <https://doi.org/10.1198/jasa.2002.s239>
- Elsner, J. B. and Tsonis, A. A. (1996). *Singular Spectrum Analysis a New Tool in Time Series Analysis*. Springer Science and Business Media.
- Ghanbarzadeh, M. and Aminghafari, M. (2016). A new hybrid-multiscale SSA prediction of non-stationary time series. *Fluctuation and Noise Letter*, 15(1), 1650005(20 pages).
- Golub, G. H. (1965). Numerical methods for solving linear least squares problems. *Aplikace matematiky*, 10(3), 213-216.
- Golyandina, N. (2010). On the choice of parameters in singular spectrum analysis and related subspace-based methods. *Stat Interface*, 3(3), 259-279.
- Golyandina, N. and Korobeynikov, A. (2014). Basic singular spectrum analysis and forecasting with R. *Comput. Stat. Data Anal*, 71, 934-954.

- Golyandina, N., Nekrutkin, V., and Zhigljavsky, A. (2001). *Analysis of Time Series Structure: SSA and related techniques* (Vol. 90). Chapman & Hall/CRC, Boca Raton, FL.
- Golyandina, N. and Zhigljavsky, A. (2013). *Singular Spectrum Analysis for Time Series*. Springer Science & Business Media.
- Gradshteyn, I. S. and Ryzhik, I. M. (1980). *Table of Integral, Series, and Products*. New York: Academic.
- Gujarati, D. N. (2009). *Basic econometrics*. Tata McGraw-Hill Education.
- Faraway, J., and Chatfield, C. (1998). Time series forecasting with neural networks: a comparative study using the airline data. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 47, 231-250.
- Hanke, J. E., Wichern D, W., and Reitsch, G. (2005). *Business Forecasting* (8th ed.). New Jersey: Pearson, Prentice Hall.
- Hassani, H. (2007). Singular spectrum analysis: methodology and comparison. - *Journal of Data Science*, 5, 239-257.
- Hassani, H. and Thomakos, D. (2010). A review on singular spectrum analysis for economic and financial time series. *Statistics and Its Interface*, 3(3), 377-397.
- Hayashi, F. (2000). *Econometrics*. New Jersey: Princeton University Press.
- Hyndman, R.J., and Koehler, A.B. (2006). Another look at measures of forecast accuracy. *International Journal of Forecasting*, 22, 679-688.
- Hyndman, R., Koehler, A.B., Ord, J.K., and Snyder, R.D. (2008). *Forecasting with exponential smoothing: the state space approach*. Springer Science & Business Media.
- Iqelan, B. M. (2017). A Singular spectrum analysis technique to electricity consumption forecasting. *International Journal of Engineering Research and Application*, 7(3), 92-100.

- Ishimura, K. and Sakurai, S. (2012). Effect of window length when smoothing with singular spectrum analysis technique in running data. *In Proc. of 30th Annual Conference of Biomechanics in Sports*, Melbourne, 1, 29-32. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/5204>
- Kay, S.M. (1999). *Modern Spectral Estimation: Theory and Application*, 1st ed. Upper Saddle River, N.J: Prentice Hall.
- Kendall, M. G. and Stuart, A. (1966). *The Advanced Theory of Statistics (Volume 3)*. London: Charles Griffin.
- Khan, M. A. R. and Poskitt, D. S. (2013). A note on window length selection in singular spectrum analysis. *Australian & New Zealand Journal of Statistics*, 55(2), 87-108.
- Kitagawa, G. (2010). *Introduction to Time Series Modeling*. Boca Raton: CRC Press.
- Lebanon, G., (2010). Bias, variance, and mse of estimators. Retrieved from - https://www.academia.edu/15163503/Bias_Variance_and_MSE_of_Estimators.
- Lee, T., White, H., and Granger, C. H. J. (1993). Testing for neglecting nonlinearity in time series models: a comparison of neural network methods and alternative tests. *Journal of Econometrics*, 56, 269-290.
- Levenberg, K. (1944). A method for the solution of certain non-linear problems in least squares. *The Quarterly of Applied Mathematics*, 2, 164-168.
- Li, H., Cui, L., and Guo, S. (2014). A hybrid short-term power load forecasting model based on the singular spectrum analysis and autoregressive model. *Advances in Electrical Engineering*, 2014, 1-7.
- Li, T., and Song, K. (2007). Estimation of the frequency of sinusoidal signals in Laplace noise. *in Proceeding of 2007 IEEE International Symposium on Information Theory*, 1786-1790.

- Lourakis, M.I.A. (2005). *A brief description of the Levenberg-Marquardt algorithm implemented by levmar*. Technical Report. Hellas: Institute of Computer Science, Foundation for Research and Technology.
- Madsen, K., Nielsen, H.B., and Tingleff, O. (2004). *Methods for Non-Linear Least Squares Problems*. Denmark: Informatics and Mathematical Modelling, Technical University of Denmark.
- Marquardt, D. (1963) An algorithm for least-squares estimation of nonlinear parameters. *SIAM J. Appl. Math*, 11, 431–441
- Meyer, C. D. (2010). *Matrix analysis and applied linear algebra*. SIAM: Society for Industrial and Applied Mathematics.
- Panchal, F. S., and Panchal. M. (2014). Review on methods of selecting number of hidden nodes in artificial neural network. *International Journal of Computer Science and Mobile Computing*, 3(11), 455-465.
- Pantazis, Y., Rosec, O., and Stylianou, Y. (2010). Iterative estimation of sinusoidal signal parameters. *IEEE Signal Processing Letters*, 17(5), 461-464.
- Quinn, B.G. and Hannan, E. J. (2001). *The estimation and tracking of frequency*. Cambridge Series in Statistical and Probabilistic Mathematics. United Kingdom: Cambridge University Press.
- Schwarz, G. (1978). Estimating dimension of a model. *The Annals of Statistics*, 6(2), 461-484.
- Soares, L. J. and Medeiros, M. C. (2008). Modeling and forecasting short-term electricity load: A comparison of methods with an application to Brazilian data. *International Journal of Forecasting*, 24(4), 630-644.
- Stoica, P., Moses, R. L., Friedlander, B., and Söderström, T. (1989). Maximum likelihood estimation of the parameters of multiple sinusoids from noisy measurements. *IEEE Transactions on Acoustics, Speech, and Signal Processing*, 37(3), 378-391.

- Subanar (2013). *Statistika Matematika*. Yogyakarta: Graha Ilmu.
- Suhartono. (2007). *Feedforward Neural Networks untuk Pemodelan Runtun Waktu*. Disertasi. Universitas Gadjah Mada.
- Suhartono, Rahayu, S.P., Prastyo, D.D., Wijayanti, G.D.P, and Juliyanto. (2017). Hybrid model for forecasting time series with trend, seasonal, and calender variation patterns. *Journal of Physic: Conference Series*, 890, 012160.
- Sulandari, W. dan Subanar (2005). Neural network model ARMA untuk prediksi data finansial. *Sains dan Sibernatika*, XVIII(2), 195-205.
- Sulandari, W., Subanar, S., Suhartono, S., and Utami, H. (2016). Forecasting electricity load demand using hybrid exponential smoothing-artificial neural network model. *International Journal of Advances in Intelligent Informatics*, 2(3), 131-139.
- Taylor, J. W. (2003). Short-term electricity demand forecasting using double seasonal exponential smoothing. *Journal of the Operational Research Society*, 54(8), 799-805.
- Taylor, J. W.(2010). Triple seasonal methods for short-term electricity demand forecasting. *European Journal of Operational Research*, 204(1), 139-152.
- Terasvirta, T., Lin, C., and Granger, C. W. J. (1993). Power of the neural network linearity test. *Journal of Time Series Analysis*, 14(2), 209-220.
- Vahabie, A. H., Yousefi, M. M. R., Araabi, B. N., Lucas, C., and Barghinia, S. (2007). Combination of singular spectrum analysis and autoregressive model for short term load forecasting. *In Proc. IEEE Int. Conf on Power Tech, Lausanne Switzerland*, 1090-1093.
- Valin, J.M., Smith, D. V., Montgomery,C., and Terriberly,T. B.(2016). Low-complexity iterative sinusoidal parameter estimation. ArXiv Prepr. ArXiv160301824.

- Vautard, R. and Ghil, M. (1989). Singular spectrum analysis in nonlinear dynamics, with applications to paleoclimatic time series. *Physica D: Nonlinear Phenomena*, 35(3), 395-424.
- Vautard, R. and Ghil, M. (1991). Interdecadal oscillations and the warming trend in global temperature time series. *Nature*, 350(6316), 324.
- Wei, W. W. S. (2006). *Time Series Analysis: Univariate and Multivariate Methods* (2nd ed.). Pearson Addison-Wesley. Retrieved from <http://tocs.ulb.tu-darmstadt.de/130292508.pdf>
- Wooldridge, J.M. and Costa, C. (Lecturer) (2006). *Introductory Econometrics : a Modern Approach* (3rd ed). Thomson/South-Western, Mason, OH
- Yiou, P., Baert, E., and Loutre, M. F. (1996). Spectral analysis of climate data. *Surveys in Geophysics*, 17(6), 619-663.
- Zhang, G., (1998). *Linear and nonlinear time series forecasting with artificial neural networks*. Ph.D. Dissertation, Kent State University, Kent, OH.
- Zhang, G. P. and Qi, M. (2005). Neural network forecasting for seasonal and trend time series. *European Journal of Operational Research*, 160(2), 501-514.
- Zhang, Q., Wang, B. D., He, B., Peng, Y., and Ren, M.L. (2011). Singular spectrum analysis and ARIMA hybrid model for annual runoff forecasting. *Water Resources Management*, 25(11), 2683-2703.