

## DAFTAR PUSTAKA

- Alpaydin, Ethem, 2010, *Introduction to Machine Learning*, MIT Press. p. 9. ISBN 978-0-262-01243-0
- Anton, Howard, 1987, *Elementary Linear Algebra*, John Wiley and Sons, Singapore.
- Bain, Lee J. dan Engelhardt, 1992, *Introduction to Probability and Mathematical Statistics Second Edition*, Duxbury Press, California.
- Bowers, Newton L., 1997, *Actuarial Mathematics Second Edition*, The Society of Actuaries, United States of America.
- Breiman, L., et al, 1984, *Classification and Regression Trees*, Chapman and Hall/CRC, Boca Raton.
- Breiman, 2001, *Statistical Modeling: The Two Cultures*, Statistical Science, 16 (2001): 199-215.
- Brouhns, Natacha, et al, 2002, *A Poisson log-bilinear regression approach to the construction of projected lifetables*, Insurance: Mathematics and Economics, 31 (2002): 373–393.
- Cairns, A. J., Blake, D., dan Dowd, K., 2006, *A Two Factor Model for Stochastic Mortality with Parameter Uncertainty: Theory and Calibration*, Journal of Risk and Insurance 73 (4), 687–718.
- Carnahan, B., Luther, H. A., dan Willes, J. O., 1969, *Applied Numerical Method*, Wiley, New York.
- Carter, Lawrence R. dan Alexia, Prskawetz, 2001, *Examining Structural shifts in Mortality Using the Lee-Carter Method*, Working Paper, Max Planck Institute for Demographic Research.

Danardono, 2013, *Pembentukan Tabel Mortalita (MMM-5505)*, Diktat Perkuliahan, Universitas Gadjah Mada.

DeMoivre, Abraham., 1725 *Annuities upon Lives*, Printed by W.P, London.

Deprez, P., et al, 2017, *Machine Learning Techniques for Mortality Modeling*, European Actuarial Journal, 7:337–352.

Elandt-Johnson, Regina C. dan Johnson, Norman L., 1999, *Survival Models and Data Analysis*, John Wiley and Sons, New York.

Giroso, F. dan King, G., 2007, *Understanding the Lee-Carter Mortality Forecasting Method*, Copy at <http://j.mp/2oTcxGt>.

Gompertz, Benjamin, 1825, *On the Nature of the Function Expressive of the Law of Human Mortality, and on a New Mode of Determining the Value of Life Contingencies*, Philosophical Transactions of the Royal Society of London, Vol. 11, pp. 513-583.

Graunt J., 1662, *Natural and Political Observations Made Upon the Bills of Mortality*, Available at <http://www.edstephan.org/Graunt/bills.html>.

Groot, Richard De, 2011, *Maximum Likelihood Estimation of the Lee-Carter Model*, Thesis, Faculty of Science and Engineering, University of Groningen Netherlands.

Halley E., 1693, *An estimate of the Degrees of the Mortality of Mankind, Drawn from Curious Tables of the Births and Funerals at the City of Breslaw; With an Attempt to Ascertain the Price of Annuities upon Lives*, Philosophical Transactions of the Royal Society of London, vol. 17, pp.596-610.

Hollmann, F. W., et al, 1999, *Methodology and Assumptions for the Population Projections of the United States: 1999 to 2010*, US Department of Commerce, Bureau of the Census, Population Division, Population Projections Branch.

Human Mortality Database, 2017, University of California, Barkeley (USA), dan Max Planck Institute for Demographic Research (Germany), URL: <http://www.mortality.org>.

Kennes, Tom, 2017, *The Convergence and Robustness of Cohort Extensions of Mortality Models*, MaRBL. 1. 10.26481/marble.2017.v1.398.

Kirkwood, T. B., 2015, *Deciphering Death: a Commentary on Gompertz (1825) 'On the Nature of the Function Expressive of the Law of Human Mortality, and on a New Mode of Determining the Value of Life Contingencies'*, Phil. Trans. R. Soc. B 370: 20140379.

Lee, Elisa T. dan Wang, John W., 2003, *Statistical Methods for Survival Data Analysis*, John Wiley and Sons, New York.

Lee, Ronald D. dan Carter, Lawrence R., 1992, *Modeling and Forecasting U. S. Mortality*, Journal of The American Statistical Association, 87: 659-671.

Lee, Ronald D. dan Nault, Francois, 1993, *Modeling and Forecasting Provincial Mortality in Canada*, Presented at the World Congress of the International Union for the scientific Study of Population, Montreal.

Lee, Ronald D. dan Rofman, R., 1994, *Modeling and Projecting Mortality in Chile*, Notas Poblacion 22(59, Jun):183–213.

Levantesi, Susanna. dan Pizzorusso, V., 2019, *Application of Machine Learning to Mortality Modeling and Forecasting*, MDPI Risk Journal, Vol. 7, [doi.org/10.3390/risks7010026](https://doi.org/10.3390/risks7010026).

Lind, Douglas A., et al, 2002, *Statistical Techniques in Business and Economics*, McGraw-Hill, New-York.

London, Dick, 1997, *Survival Models and Their Estimation*, ACTEX, Winsted, Connecticut.

Makeham W. M., 1867, *On the Law of Mortality*, Journal of the Institute of Actuaries, Vol. 13, No. 6, pp. 325-358.

- Mardika, Zulfa Wahyu, 2016, *Pembentukan Pohon Klasifikasi Biner dengan Algoritma CART (Classification and Regression Trees)*, Jurnal Gaussian, 5: 583-592.
- Mitchell, Tom M., 1997, *Machine Learning*, McGraw-Hill Science/Engineering/Math, New York.
- Mukminin, 2018, *Peramalan Usia Harapan Hidup dengan Model Lee-Carter dan Model Chi-Heem*, Tesis, Program Studi S2 Matematika FMIPA UGM, Yogyakarta.
- O'Hare, C. dan Li, Y., 2012, *Explaining young mortality*, Insurance: Mathematics and Economics, 50(1), 12 - 25. <https://doi.org/10.1016/j.insmatheco.2011.09.005>.
- Olshansky, S. J. dan Carnes, B. A., 1997, *Ever since Gompertz*, Demography 34 (1), 1–15.
- Pascariu, Marius D., 2018, *Modelling and Forecasting Mortality*, Ph.D Thesis, Institute of Public Health, Faculty of Health Sciences, University of Southern Denmark.
- Plat, Richard, 2009, *On Stochastic Mortality Modeling*, Available at SSRN: <https://ssrn.com/abstract=1362487> or <http://dx.doi.org/10.2139/ssrn.1362487>
- Ralston, A. dan Wilf, H., 1967, *Mathematical Method for Digital Computer*, Wiley, New York
- Renshaw, A. dan Haberman, S., 2003, *Lee-Carter Mortality Forecasting: A Parallel Generalized Linear Modelling Approach for England and Wales Mortality Projections*, Journal of the Royal Statistical Society Series C (Applied Statistics), 52: 119-137.
- Renshaw, A. dan Haberman, S., 2006, *A Cohort-Based Extension to The Lee-Carter Model for Mortality Reduction Factors*, Insurance: Mathematics and Economics, 38: 556-570.

- Renshaw, A. dan Haberman, S., 2011, *A comparative study of parametric mortality projection models*, Insurance: Mathematics and Economics, 48 (2011): 35-55.
- Rokach, L. dan Maimon, O., 2015, *Data Mining with Decision Trees, Theory and Applications 2nd Edition*, World Scientific Publishing Co. Pte. Ltd, USA.
- Ross, Sheldon M., 1996, *Stochastics Processes Second Edition*, John Wiley and Sons, New York.
- Sacher, G. A., 1977, *Life table modification and life prolongation*, Handbook of the Biology of Aging 582.
- Sadevi, Ni Wayan Septi, 2019, *Pembentukan Tabel Mortalita Menggunakan Model Lee-Carter dengan Metode Penghalusan Partial SMR dan Whittaker Graduation untuk Populasi Kecil*, Tesis, Program Studi S2 Matematika FMIPA UGM, Yogyakarta.
- Sheick, J. T., 1997, *Linear Algebra with Applications, International Edition*, McGraw Hill, Inc., Singapore.
- Sukraini, Tri T., 2013, *Peramalan Mortalita dengan Menggunakan Metode Lee-Carter*, Tesis, Program Studi S2 Matematika FMIPA UGM, Yogyakarta.
- Tan, Pang-Ning, et al, 2006, *Introduction to Data Mining (First Edition)*, Pearson Addison-Wesley, USA.
- Wilmoth, John R., 1996, *Mortality Projections for Japan: A comparison of Four Methods*, In: Health and Mortality among Elderly Population Edited by Graziella Caselli and Alan Lopez, New York: Oxford University Press.
- Wüthrich M. V., dan Buser, C., 2016, *Data Analytics for Non-Life Insurance Pricing*, <https://ssrn.com/abstract=2870308>.
- Yudiana, Sheilla 2018, *Perbandingan Peramalan Laju Mortalita Menggunakan Model Mortalita AR-GARCH dan Lee-Carter*, Tesis, Program Studi S2 Matematika FMIPA UGM, Yogyakarta.