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DAFTAR PUSTAKA

Bain, L. J., & Engelhardt, M. (1992). *Introduction to probability and mathematical statistics* (Vol. 4). Belmont, CA: Duxbury Press.

Bowers, N. L., Gerber, H. U., Hickman, J. C., Jones, D. A., & Nesbitt, C. L. (1997). *Actuarial mathematics (2nd ed.)*. The Society of Actuaries.

Dickson, D. C. M., Hardy, M., & Waters, H. R. (2020). *Actuarial mathematics for life contingent risks (3. ed)*. Cambridge University Press.

Dufresne, F., Hashorva, E., Ratovomirija, G., & Toukourou, Y. (2018). On age difference in joint lifetime modelling with life insurance annuity applications. *Annals of Actuarial Science*, 12(2), 350–371. https://doi.org/10.1017/S1748499518000076

Fermanian, J. D. (2013, April). An overview of the goodness-of-fit test problem for copulas. *In Copulae in Mathematical and Quantitative Finance: Proceedings of the Workshop Held in Cracow*, 10-11 July 2012 (pp. 61-89). Berlin, Heidelberg: Springer Berlin Heidelberg.

Frees, E. W., & Valdez, E. A. (1998). Understanding Relationships Using Copulas. *North American Actuarial Journal*, 2(1), 1–25. https://doi.org/10.1080/10920277.1998.10595667

Genest, C., Quessy, J. F., & Rémillard, B. (2006). Goodness-of-fit procedures for copula models based on the probability integral transformation. *Scandinavian Journal of Statistics*, 33(2), 337-366.

Genest, C., Rémillard, B., & Beaudoin, D. (2009). Goodness-of-fit tests for copulas: A review and a power study. *Insurance: Mathematics and economics*, 44(2), 199-213.

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Genest, C., & Nešlehová, J. (2014). On tests of radial symmetry for bivariate copulas. *Statistical Papers*, 55(4), 1107–1119. https://doi.org/10.1007/s00362-013-0556-4

Hasriati, V. N., Nayunda, H., Sirait, I., & Hasbiyati, I. (2024). PROSPECTIVE RESERVE AND FULL PRELIMINARY TERM RESERVE ON ENDOWMENT LAST SURVIVOR LIFE INSURANCE USING CLAYTON COPULA. *BAREKENG: Journal of Mathematics and Its Applications*, 18(4), 2479-2490.

Joe, H. (1997). *Multivariate Models and Dependence Concepts*. Springer Science and Business Media, Inc., Canada.

Joe, H., & Xu, J. J. (1996). The estimation method of inference functions for margins for multivariate models.

Kendall, M. G. (1945). The treatment of ties in ranking problems. Biometrika, 33(3), 239-251.

Klugman, S. A., & Parsa, R. (1999).Fitting bivariate loss distributions with copulas. *Insurance: mathematics and economics*, 24(1-2), 139-148.

Kularatne, T. D., Li, J., & Pitt, D. (2021). On the use of Archimedean copulas for insurance modelling. *Annals of Actuarial Science*, 15(1), 57-81.

Kojadinovic, I. (2017). Some copula inference procedures adapted to the presence of ties. Computational Statistics & Data Analysis, 112, 24–41. https://doi.org/10.1016/j.csda.2017.02.006

Luciano, E., Spreeuw, J., & Vigna, E. (2008). Modelling stochastic mortality for dependent lives. *Insurance: Mathematics and Economics*, 43(2), 234–244. https://doi.org/10.1016/j.insmatheco.2008.06.005

Nagler, T., Schepsmeier, U., Stoeber, J., Brechmann, E. C., Graeler, B., Erhardt, T., et al. (2025, July 21). VineCopula: Statistical inference of vine copulas (Version 2.6.1) [R package]. https://github.com/tnagler/VineCopula

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Nelsen, R. B. (2006). An introduction to copulas (2. ed). Springer Science and Business Media, Inc., New York.

Nikoloulopoulos, A. K., Joe, H., & Li, H. (2012). Vine copulas with asymmetric tail dependence and applications to financial return data. *Computational Statistics & Data Analysis*, 56(11), 3659-3673.

Rüschendorf, L. (2009). On the distributional transform, Sklar's theorem, and the empirical copula process. *Journal of statistical planning and inference*, 139(11), 3921-3927.

Shih, J. H., & Louis, T. A. (1995). Inferences on the association parameter in copula models for bivariate survival data. Biometrics, 1384-1399.

Spreeuw, J., & Owadally, I. (2013). Investigating the Broken-Heart Effect: A Model for Short-Term Dependence between the Remaining Lifetimes of Joint Lives. *Annals of Actuarial Science*, 7(2), 236–257. https://doi.org/10.1017/S1748499512000292

Wang, W., & Wells, M. T. (2000). Model selection and semiparametric inference for bivariate failure-time data. *Journal of the American Statistical Association*, 95(449), 62-72.

Wei, W. (2014). Copula-based High Dimensional Dependence Modelling. University of Technology, Sydney.

Youn, H., & Shemyakin, A. (1999). Statistical aspects of joint life insurance pricing. *1999 Proceedings of the Business and Statistics Section of the American Statistical Association*, 34138.