

Bibliography

- Abu-Moussa, M., Abd-Elfattah, A., and Hafez, E. (2021). Estimation of stress-strength parameter for Rayleigh distribution based on progressive Type-II censoring. *Information Sciences Letters*, 10(1):12.
- Agiwal, V. (2021). Bayesian estimation of stress strength reliability from inverse Chen distribution with application on failure time data. *Annals of Data Science*, DOI: <https://doi.org/10.1007/s40745-020-00313-w>.
- Akaike, H. (1974). A new look at the statistical model identification. *IEEE Transactions on Automatic Control*, 19(6):716–723.
- Akgül, F. G. and Şenoğlu, B. (2018). Comparison of Estimation Methods for Inverse Weibull Distribution. In *Trends and Perspectives in Linear Statistical Inference*, DOI: https://doi.org/10.1007/978-3-319-73241-1_1. Springer.
- Akgül, F. G., Şenoğlu, B., and Arslan, T. (2016). An alternative distribution to Weibull for modeling the wind speed data: Inverse Weibull distribution. *Energy Conversion and Management*, 114:234–240.
- Anderson, T. W. and Darling, D. A. (1954). A test of goodness of fit. *Journal of the American Statistical Association*, 49(268):765–769.
- Asgharzadeh, A. and Fallah, A. (2021). Pivotal and Bayesian inference in exponential coherent systems under progressive censoring. *Journal of Advanced Mathematical Modeling*, 11(3):496–514.
- Aslam, M., Noor, F., and Ali, S. (2020). Shifted exponential distribution: Bayesian estimation, prediction and expected test time under progressive censoring. *Journal of Testing and Evaluation*, 48(2):1576–1593.
- Bain, L. and Englehardt, M. (1991). *Statistical Analysis of Reliability and Life Testing Models: Theory and Methods*, volume 115. CRC Press, New York.

- Balakrishnan, N. and Aggarwala, R. (2000). *Progressive Censoring: Theory, Methods, and Applications*. Birkhäuser Publisher, Boston.
- Balakrishnan, N. and Cramer, E. (2014). *The Art of Progressive Censoring*. Birkhäuser, New York, USA.
- Balakrishnan, N. and Sandhu, R. (1995). A simple simulational algorithm for generating progressive type-II censored samples. *The American Statistician*, 49(2):229–230.
- Balasoorya, U. (1995). Failure-censored reliability sampling plans for the exponential distribution. *Journal of Statistical Computation and Simulation*, 52(4):337–349.
- Basheer, A. M., Okasha, H., El-Baz, A., and Tarabia, A. (2021). E-bayesian and Hierarchical Bayesian estimations for the inverse Weibull distribution. *Annals of Data Science*, DOI: <https://doi.org/10.1007/s40745-020-00320-x>.
- Bedbur, S. and Mies, F. (2021). Confidence bands for exponential distribution functions under progressive type-II censoring. *Journal of Statistical Computation and Simulation*, DOI: <https://doi.org/10.1080/00949655.2021.1931211>.
- Bekker, A. and Roux, J. (2005). Reliability characteristics of the Maxwell distribution: A Bayes estimation study. *Communications in Statistics-Theory and Methods*, 34(11):2169–2178.
- Bi, Q., Ma, Y., and Gui, W. (2020). Reliability estimation for the bathtub-shaped distribution based on progressively first-failure censoring sampling. *Communications in Statistics-Simulation and Computation*, DOI: <https://doi.org/10.1080/03610918.2020.1746338>.
- Birnbaum, Z. W. (1956). On a use of the Mann-Whitney statistics. *Proceedings of the Third Berkley Symposium in Mathematics, Statistics and Probability*, Vol. 1:13–17.
- Breslow, N. and Crowley, J. (1974). A large sample study of the life table and product limit estimates under random censorship. *The Annals of Statistics*, 2(3):437–453.
- Calabria, R. and Pulcini, G. (1996). Point estimation under asymmetric loss functions for left-truncated exponential samples. *Communications in Statistics-Theory and Methods*, 25(3):585–600.
- Casella, G. and Berger, R. L. (2002). *Statistical Inference*. Duxbury Pacific Grove, CA.
- Chaudhary, S., Kumar, J., and Tomer, S. K. (2017). Estimation of $P[Y < X]$ for Maxwell distribution. *Journal of Statistics and Management Systems*, 20(3):467–481.
- Chaudhary, S. and Tomer, S. K. (2018). Estimation of stress–strength reliability for Maxwell distribution under progressive type-II censoring scheme. *International Journal of System Assurance Engineering and Management*, 9(5):1107–1119.

- Chen, M. H. and Shao, Q. (1999). Monte Carlo estimation of Bayesian credible and HPD intervals. *Journal of Computational and Graphical Statistics*, 8(1):69–92.
- Chen, M.-H., Shao, Q.-M., and Ibrahim, J. G. (2000). *Monte Carlo Methods in Bayesian Computation*. Springer-Verlag, New York.
- Cho, Y., Sun, H., and Lee, K. (2014). An estimation of the entropy for a Rayleigh distribution based on doubly-generalized type-II hybrid censored samples. *Entropy*, 16(7):3655–3669.
- Cohen, A. C. (1963). Progressively censored samples in life testing. *Technometrics*, 5(3):327–339.
- Collett, D. (2015). *Modelling Survival Data in Mmedical Research*. CRC Press, London, New York.
- Conover, W. J. (1972). A Kolmogorov goodness-of-fit test for discontinuous distributions. *Journal of the American Statistical Association*, 67(339):591–596.
- Cover, T. M. (1999). *Elements of Information Theory*. John Wiley & Sons.
- Dankunprasert, S., Jaroengeratikun, U., and Talangtam, T. (2021). The properties of inverse Pareto distribution and its application to extreme events. *Thailand Statistician*, 19(1):1–12.
- Davison, A. C. and Hinkley, D. V. (1997). *Bootstrap Methods and Their Application*. Cambridge University Press.
- Du, Y., Guo, Y., and Gui, W. (2018). Statistical inference for the information entropy of the log-logistic distribution under progressive Type-I interval censoring schemes. *Symmetry*, 10(10):445.
- Efron, B. (1979). Computers and the theory of statistics: thinking the unthinkable. *SIAM Review*, 21(4):460–480.
- Efron, B. (1982). *The Jackknife, the Bootstrap and Other Resampling Plans*. SIAM.
- Efron, B. (1988). Logistic regression, survival analysis, and the Kaplan-Meier curve. *Journal of the American Statistical Association*, 83(402):414–425.
- EL-Sagheer, R. M., Mahmoud, M. A., and Hasaballah, M. (2020). Bayesian inference for the randomly censored three-parameter Burr XII distribution. *Applied Mathematics & Information Sciences*, 14(2):1–11.

- El-Sharkawy, W. A. and Ismail, M. A. (2020). Mixture of Birnbaum-Saunders distributions: Identifiability, estimation and testing homogeneity with randomly censored data. *American Journal of Mathematical and Management Sciences*, DOI: <https://doi.org/10.1080/01966324.2020.1837041>.
- Garg, R., Dube, M., Kumar, K., and Krishna, H. (2016). On randomly censored generalized inverted exponential distribution. *American Journal of Mathematical and Management Sciences*, 35(4):361–379.
- Gelfand, A. E. and Smith, A. F. M. (2000). *Bayesian Computation*. Wiley, New York.
- Gelman, A., Carlin, J. B., Stern, H. S., Dunson, D. B., Vehtari, A., and Rubin, D. B. (2013). *Bayesian Data Analysis*. Chapman and Hall/CRC.
- Ghanbari, S., Rezaei Roknabadi, A., and Salehi, M. (2021). Estimation of stress–strength reliability for Marshall–Olkin distributions based on progressively Type-II censored samples. *Journal of Applied Statistics*, DOI: <https://doi.org/10.1080/02664763.2021.1884207>.
- Ghitany, M. and Al-Awadhi, S. (2002). Maximum likelihood estimation of Burr XII distribution parameters under random censoring. *Journal of Applied Statistics*, 29(7):955–965.
- Gibbons, J. D. and Chakraborti, S. (2011). *Nonparametric Statistical Inference*. CRC press.
- Gilbert, J. P. (1962). *Random Censorship*. PhD thesis, University of Chicago, Department of Statistics.
- Goel, R. and Singh, B. (2020). Estimation of $P(Y < X)$ for modified Weibull distribution under progressive type-II censoring. *Life Cycle Reliability and Safety Engineering*, 9(3):227–240.
- Guo, L. and Gui, W. (2018). Bayesian and classical estimation of the inverse Pareto distribution and its application to strength-stress models. *American Journal of Mathematical and Management Sciences*, 37(1):80–92.
- Hall, P. (1988). Theoretical comparison of bootstrap confidence intervals. *The Annals of Statistics*, 16(3):927–953.
- Hashem, A. F. and Alyami, S. A. (2021). Inference on a new lifetime distribution under progressive Type-II censoring for a parallel-series structure. *Complexity*, DOI: <https://doi.org/10.1155/2021/6684918>.
- Hassan, A. S. and Zaky, A. N. (2021). Entropy Bayesian estimation for Lomax distribution based on record. *Thailand Statistician*, 19(1):96–115.

- Hastings, W. K. (1970). Monte Carlo sampling methods using Markov chains and their applications. *57*:97–109.
- Herd, G. R. (1956). *Estimation of the Parameters of a Population from a Multi-Censored Sample*. Iowa State University.
- Hofmann, G., Cramer, E., Balakrishnan, N., and Kunert, G. (2005). An asymptotic approach to progressive censoring. *Journal of Statistical Planning and Inference*, *130*(1-2):207–227.
- Jana, N. and Bera, S. (2022). Interval estimation of multicomponent stress–strength reliability based on inverse Weibull distribution. *Mathematics and Computers in Simulation*, *191*:95–119.
- Jia, X., Nadarajah, S., and Guo, B. (2017). Bayes estimation of $P(Y < X)$ for the Weibull distribution with arbitrary parameters. *Applied Mathematical Modelling*, *47*:249–259.
- Johnson, L. G. (1964). *Theory and Technique of Variation Research*. Elsevier.
- Johnson, R. A. (1988). Stress-Strength Models for Reliability. In *Quality Control and Reliability*, volume 7 of *Handbook of Statistics*, pages 27–54. Elsevier.
- Johnstone, M. A. (1983). Bayesian estimation of reliability in the stress-strength context. *Journal of the Washington Academy of Sciences*, *73*(4):140–150.
- Jovanović, M. (2017). Estimation of $P(X < Y)$ for geometric—exponential model based on complete and censored samples. *Communications in Statistics-Simulation and Computation*, *46*(4):3050–3066.
- Kaplan, E. L. and Meier, P. (1958). Nonparametric estimation from incomplete observations. *Journal of the American Statistical Association*, *53*(282):457–481.
- Kayal, S. and Kumar, S. (2013). Estimation of the Shannon’s entropy of several shifted exponential populations. *Statistics & Probability Letters*, *83*(4):1127–1135.
- Kayal, T., Tripathi, Y. M., and Wang, L. (2019). Inference for the Chen distribution under progressive first-failure censoring. *Journal of Statistical Theory and Practice*, *13*:52.
- Kazemi, M. and Azizpoor, M. (2021). Estimation of the inverse Weibull distribution parameters under Type-I hybrid censoring. *Austrian Journal of Statistics*, *50*(5):38–51.
- Kohansal, A. and Rezakhah, S. (2019). Inference of $R = P(Y < X)$ for two-parameter Rayleigh distribution based on progressively censored samples. *Statistics*, *53*(1):81–100.
- Kotz, S., Lumelskii, Y., and Pensky, M. (2003). *The Stress-Strength Model and Its Generalizations: Theory and Applications*. World Scientific, Singapore.

- Koziol, J. A. and Green, S. B. (1976). A Cramér-Von Mises statistic for randomly censored data. *Biometrika*, 63(3):465–474.
- Krishna, H., Dube, M., and Garg, R. (2017). Estimation of $P(Y < X)$ for progressively first-failure-censored generalized inverted exponential distribution. *Journal of Statistical Computation and Simulation*, 87(11):2274–2289.
- Krishna, H., Dube, M., and Garg, R. (2019). Estimation of stress strength reliability of inverse Weibull distribution under progressive first failure censoring. *Austrian Journal of Statistics*, 48(1):14–37.
- Krishna, H. and Goel, N. (2017). Randomly censored geometric distribution under Koziol-Green model. *International Journal of Agricultural and Statistical Sciences*, 13(1):85–95.
- Krishna, H. and Malik, M. (2009). Reliability estimation in Maxwell distribution with type-II censored data. *International Journal of Quality & Reliability Management*, 26(2):184–195.
- Krishna, H. and Malik, M. (2012). Reliability estimation in Maxwell distribution with progressively type-II censored data. *Journal of Statistical Computation and Simulation*, 82(4):623–641.
- Krishna, H., Vivekanand, and Kumar, K. (2015). Estimation in Maxwell distribution with randomly censored data. *Journal of Statistical Computation and Simulation*, 85(17):3560–3578.
- Krishnamoorthy, K. and Lin, Y. (2010). Confidence limits for stress–strength reliability involving Weibull models. *Journal of Statistical Planning and Inference*, 140(7):1754–1764.
- Kumar, I., Jha, S. K., and Kumar, K. (2021). On some estimation methods for the inverse Pareto distribution. *Annals of Data Science*, DOI: <https://doi.org/10.1007/s40745-021-00356-7>.
- Kumar, K. (2018). Classical and Bayesian estimation in log-logistic distribution under random censoring. *International Journal of System Assurance Engineering and Management*, 9(2):440–451.
- Kumar, K. and Garg, R. (2014). Estimation of the parameters of randomly censored generalized inverted Rayleigh distribution. *International Journal of Agricultural and Statistical Sciences*, 10(1):147–155.
- Kundu, D. and Howlader, H. (2010). Bayesian inference and prediction of the inverse Weibull distribution for Type-II censored data. *Computational Statistics & Data Analysis*, 54(6):1547–1558.
- Lawless, J. F. (2003). *Statistical Models and Methods for Lifetime Data*. John Wiley & Sons.

- Lindley, D. V. (1980). Approximate Bayesian methods. *Trabajos de Estadística*, 31:223–237.
- Liu, S. and Gui, W. (2019). Estimating the entropy for Lomax distribution based on generalized progressively hybrid censoring. *Symmetry*, 11(10):1219.
- Louis, T. A. (1982). Finding the observed information matrix when using the EM algorithm. *Journal of the Royal Statistical Society: Series B (Methodological)*, 44(2):226–233.
- Mann, N. R., Singpurwalla, N. D., and Schafer, R. E. (1974). *Methods for Statistical Analysis of Reliability and Life Data*. Wiley.
- Metropolis, N., Rosenbluth, A. W., Rosenbluth, M. N., Teller, A. H., and Teller, E. (1953). Equation of state calculations by fast computing machines. *The Journal of Chemical Physics*, 21(6):1087–1092.
- Mohammed, H. S., Ateya, S. F., and AL-Hussaini, E. K. (2017). Estimation based on progressive first-failure censoring from exponentiated exponential distribution. *Journal of Applied Statistics*, 44(8):1479–1494.
- Mudholkar, G. S., Srivastava, D. K., and Kollia, G. D. (1996). A generalization of the Weibull distribution with application to the analysis of survival data. *Journal of the American Statistical Association*, 91(436):1575–1583.
- Nelson, W. B. (1982). *Applied Life Data Analysis*. John Wiley & Sons, New York.
- Nichols, M. D. and Padgett, W. (2006). A bootstrap control chart for Weibull percentiles. *Quality and Reliability Engineering International*, 22(2):141–151.
- Ntzoufras, I. (2009). *Bayesian Modeling Using WinBugs*. Wiley, New York.
- Panwar, M. and Tomer, S. K. (2019). Robust Bayesian analysis of lifetime data from Maxwell distribution. *Austrian Journal of Statistics*, 48(1):38–55.
- R Core Team (2021). *R: A Language and Environment for Statistical Computing*. R Foundation for Statistical Computing, Vienna, Austria.
- Rajesh, R. and Sunoj, S. (2021). Estimation of Shannon entropy in the presence of length-bias and Type I censoring. *American Journal of Mathematical and Management Sciences*, DOI: <https://doi.org/10.1080/01966324.2021.1941452>.
- Robert, C. and Casella, G. (2004). *Monte Carlo Statistical Methods*. Springer-Verlag, New York.
- Rohatgi, V. K. and Saleh, A. M. E. (2015). *An Introduction to Probability and Statistics*. John Wiley & Sons.

- Saini, S., Chaturvedi, A., and Garg, R. (2021a). Estimation of stress–strength reliability for generalized Maxwell failure distribution under progressive first failure censoring. *Journal of Statistical Computation and Simulation*, DOI: <https://doi.org/10.1080/00949655.2020.1856846>.
- Saini, S., Tomer, S., and Garg, R. (2021b). On the reliability estimation of multicomponent stress–strength model for Burr XII distribution using progressively first-failure censored samples. *Journal of Statistical Computation and Simulation*, DOI: <https://doi.org/10.1080/00949655.2021.1970165>.
- Scaria, S., Thomas, S., and Jose, S. (2021). Generalized inference on stress-strength reliability in generalized Pareto model. *Journal of Reliability and Statistical Studies*, DOI: <https://doi.org/10.13052/jrss0974-8024.1419>.
- Schwarz, G. (1978). Estimating the dimension of a model. *The Annals of Statistics*, 6(2):461–464.
- Shakhatreh, M. K., Dey, S., and Alodat, M. (2021). Objective Bayesian analysis for the differential entropy of the Weibull distribution. *Applied Mathematical Modelling*, 89:314–332.
- Shannon, C. E. (1948). A mathematical theory of communication. *The Bell System Technical Journal*, 27(3):379–423.
- Sharma, V. K. (2018). Bayesian analysis of head and neck cancer data using generalized inverse Lindley stress–strength reliability model. *Communications in Statistics-Theory and Methods*, 47(5):1155–1180.
- Sharma, V. K., Singh, S. K., Singh, U., and Agiwal, V. (2015). The inverse Lindley distribution: a stress-strength reliability model with application to head and neck cancer data. *Journal of Industrial and Production Engineering*, 32(3):162–173.
- Shi, X. and Shi, Y. (2021). Inference for inverse power Lomax distribution with progressive first-failure censoring. *Entropy*, 23(9):1099.
- Singh, S. K., Singh, U., and Kumar, D. (2013). Bayesian estimation of parameters of inverse Weibull distribution. *Journal of Applied Statistics*, 40(7):1597–1607.
- Sinha, S. K. (1986). *Reliability and Life Testing*. Wiley Eastern Limited, New Delhi.
- Sultan, K., Alsadat, N., and Kundu, D. (2014). Bayesian and maximum likelihood estimations of the inverse Weibull parameters under progressive type-II censoring. *Journal of Statistical Computation and Simulation*, 84(10):2248–2265.
- Tierney, L. and Kadane, J. B. (1986). Accurate approximations for posterior moments and marginal densities. *Journal of the American Statistical Association*, 81(393):82–86.

- Tomer, S. K. and Panwar, M. (2015). Estimation procedures for Maxwell distribution under type-I progressive hybrid censoring scheme. *Journal of Statistical Computation and Simulation*, 85(2):339–356.
- Varian, H. R. (1975). A Bayesian approach to real estate assessment. *Studies in Bayesian Econometric and Statistics in Honor of Leonard J. Savage*, eds. Stephen E. Fienberg and Arnold Zellner, Amsterdam: North-Holland, pp:195–208.
- Wu, M. and Gui, W. (2021). Estimation and prediction for Nadarajah-Haghighi distribution under progressive Type-II censoring. *Symmetry*, 13(6):999.
- Wu, S.-F. and Chang, W.-T. (2021). Bayesian testing procedure on the lifetime performance index of products following Chen lifetime distribution based on the progressive Type-II censored sample. *Symmetry*, 13(8):1322.
- Wu, S.-J. and Kuş, C. (2009). On estimation based on progressive first-failure-censored sampling. *Computational Statistics & Data Analysis*, 53(10):3659–3670.
- Xie, Y. and Gui, W. (2020). Statistical inference of the lifetime performance index with the logistic distribution based on progressive first-failure-censored data. *Symmetry*, 12(6):937.
- Yadav, A. S., Singh, S. K., and Singh, U. (2018). Estimation of stress–strength reliability for inverse Weibull distribution under progressive type-II censoring scheme. *Journal of Industrial and Production Engineering*, 35(1):48–55.
- Yu, J., Gui, W., and Shan, Y. (2019). Statistical inference on the Shannon entropy of inverse Weibull distribution under the progressive first-failure censoring. *Entropy*, 21(12):1209.
- Zehna, P. W. (1966). Invariance of maximum likelihood estimators. *Annals of Mathematical Statistics*, 37(3):744.
- Zellner, A. (1986). Bayesian estimation and prediction using asymmetric loss functions. *Journal of the American Statistical Association*, 81(394):446–451.
- Zheng, G. and Gastwirth, J. L. (2001). On the Fisher information in randomly censored data. *Statistics & Probability Letters*, 52(4):421–426.