

Details of Publications:***i). Published/Accepted in Indexed Journal:***

1. Kumar, N., Majumdar, T., Bhattacharjee, A. and **Vishwakarma, G.K.**, Accelerated Failure Time model using MCMC for high dimensional survival data. *International Journal of Biomathematics*, (Accepted), **2025**, ISSN: 1793-7159, World Scientific. (SCI-E/Q2).
2. Verma, M.K., Yadav, S.K., Varshney, R. and **Vishwakarma, G.K.**, An optimal strategy for estimating the population mean in stratified random sampling under an auxiliary attribute. *Life Cycle Reliability and Safety Engineering*, (Accepted), **2025**, ISSN: 2520-1360, Springer, (SCOPUS).
3. **Vishwakarma, G.K.**, Kumari, P., Bhattacharjee, A. and Ong, S.H., Bayesian classifier based on cancer prognostic markers using accelerated failure time model with frailty effect. *Quality & Quantity*, **2025**, <https://doi.org/10.1007/s11135-025-02092-z>, ISSN: 1573-7845, Springer. (SCI-E/Q2).
4. Bhattacharjee, A., Kumari, P. and **Vishwakarma, G.K.**, Advanced bayesian survival modeling for lung adenocarcinoma prognosis: The afthd R package and shiny application. *Brazilian Journal of Biometrics*, 43(3), 1-13, **2025**, <https://doi.org/10.28951/bjb.v43i3>, ISSN: 2764-5290, International Biometric Society, Brazil. (E-SCI/SCOPUS).
5. Bhattacharjee, A., Kumari, P. and **Vishwakarma, G.K.** and Tank, F., afthd: Bayesian accelerated failure time model for high-dimensional time-to-event data. *Japanese Journal of Statistics and Data Science*, **2025**, <https://doi.org/10.1007/s42081-025-00301-5>, ISSN: 2520-8764, Springer Nature. (E-SCI/SCOPUS).
6. Soni, R., Alam, M.S. and **Vishwakarma, G.K.**, Prediction of InSAR deformation time-series using improved LSTM deep learning model. *Nature Scientific Reports*, **2025**, <https://doi.org/10.1038/s41598-024-83084-1>, ISSN 2045-2322, Nature Portfolio, (SCI-E/Q1).
7. Yadav, S.K., **Vishwakarma, G.K.** and Singh A., Efficient Searls predictive estimators for mean under ranked set sampling: An application to COVID-19 data. *International Journal of System Assurance Engineering and Management*, <https://doi.org/10.1007/s13198-024-02673-5>, **2025**, ISSN: 0976-4348, Springer Nature. (E-SCI/SCOPUS).
8. Verma, M.K., Yadav, S.K., Varshney, R., and **Vishwakarma, G.K.**, Improved estimation strategy of mean using linear cost function under stratified sampling. *Quality & Quantity*, <https://doi.org/10.1007/s11135-024-02021-6>, **2024**, ISSN: 1573-7845, Springer. (SCI-E/Q1).
9. Verma, M.K., Yadav, S.K., Varshney, R., and **Vishwakarma, G.K.**, Computation strategy for population mean in stratified random sampling: A problem of budget constraint. *Statistical Journal of the IAOS*, <https://doi.org/10.1177/18747655251335756>, **2025**, ISSN: 1874-7655, IOS Press, Inc. (E-SCI/SCOPUS).
10. Bhattacharjee, A., Rajbongshi, B., and **Vishwakarma, G.K.**, jmBIG: enhancing dynamic risk prediction and personalized medicine through joint modeling of longitudinal and survival data in big routinely collected data. *BMC Medical Research Methodology*, <https://doi.org/10.1186/s12874-024-02289-0>, 24, 172, **2024**, ISSN: 1471-2288, Biomed Central Ltd & Springer. (SCI-E/Q1).
11. **Vishwakarma, G.K.**, Bhattacharjee, A., Rajbongshi, B. and Tripathy, A., Censored imputation of time to event outcome through survival proximity score method.

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- Journal of Computational and Applied Mathematics*, 451, 116103, **2024**, <https://doi.org/10.1016/j.cam.2024.116103>, ISSN: 0377-0427, Elsevier, (SCIE/Q1).
12. Singh, A. and **Vishwakarma, G.K.**, A class of ratio and product types estimators of mean of a sensitive variable using ranked set sampling. *Sankhya-B*, <https://doi.org/10.1007/s13571-024-00338-8>, **2024**, ISSN: 0976-8394, Springer Nature. (E-SCI/SCOPUS).
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 18. **Vishwakarma, G.K.** Weighted strategy for estimation of finite population mean in presence of auxiliary information. *Measurement: Interdisciplinary Research and Perspectives*, 22, 2327010, **2024**, <https://doi.org/10.1080/15366367.2024.2327010>, ISSN: 1536-6359, Taylor and Francis, (ESCI/SCOPUS).
 19. Yadav, S.K., **Vishwakarma, G.K.** and Sharma, D.K., A computational strategy for estimation of mean using optimal imputation in presence of missing observation. *Nature Scientific Reports*, 14, 6433, **2024**, <https://doi.org/10.1038/s41598-024-57264-y>, ISSN 2045-2322, Nature Portfolio, (SCI-E/Q1).
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26. **Shukla, S., Singh, A. and Vishwakarma, G.K.**, Predictive estimation for mean under median ranked set sampling: an application to COVID-19 data. *Indian Journal of Pure & Applied Mathematics*, **2023**, <https://doi.org/10.1007/s13226-023-00470-7>, ISSN: 0019-5588, Springer Nature. (SCI-E/Q3).
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