



LIST OF ACCEPTED PAPERS TO APPEAR IN THE FORTHCOMING VOLUMES OF STATISTICS AND APPLICATIONS

SA21(02)2023 December Issue

1. Analysis of River Water Quality Using Geo-Spatial and Temporal Data: A Case Study
Authors: K. Muralidharan, Shrey Pandya, Aiman Shaikh, Parth Patel, Jayshree Vanzara
(Accepted: 20 July 2022)
2. Estimating Finite Population Mean using Multiple Parameters of an Ancillary Variable
Authors: Deepak Singh, Rohini Yadav and Rajesh Singh
(Accepted: 09 September 2022)
3. Prediction Intervals in ARCH Models using Sieve Bootstrap Robust against Outliers
Authors: Samir Barman, Ramasubramanian V., Mrinmoy Ray and Ranjit Kumar Paul
(Accepted: 30 September 2022)
4. Estimation of AUC of Bi-Generalized Half-Normal ROC Curve
Authors: Dashina P. and R. Vishnu Vardhan
(Accepted: 15 October 2022)
5. Estimation of the Finite Population Mean in Stratified Random Sampling under Non- Response
Authors: Zakir Hussain Wani and S.E.H. Rizvi
(Accepted: 24 October 2022)
6. COVID-19 Cumulative Death Prediction in Two Most Populated Countries by Fitting ARIMA Model and Linear Regression
Authors: Shagun Sachdeva and Ravinder Singh
(Accepted: 08 November 2022)
7. Dealing with the Imperfect Frame Arising Due to Rare Outdated Units from Finite Population
Authors: Neelam Kumar Singh
(Accepted: 15 November 2022)

8. Heterogeneous Auto-Regressive Modeling based Realised Volatility Forecasting
Authors: G. Avinash, Ramasubramanian V. and Badri Narayanan Gopalakrishnan
(Accepted: 17 November 2022)
9. Resolvable and 2-Replicate PBIB Designs based on Higher Association Schemes Using Polyhedra
Authors: Vinayaka and Rajender Parsad
(Accepted: 01 December 2022)
10. A Bimodal Extension of Suja Distribution with Applications
Authors: Samuel U. Enogwe, Emmanuel W. Okereke and Gabriel C. Ibeh
(Accepted: 15 December 2022)
11. Evaluation of the Status of Frigate Tuna *Auxis thazard* (Lacepède, 1800) Fishery in the Tamil Nadu Coast of India
Authors: R. Abinaya and M. K. Sajeewan
(Accepted: 22 February 2023)
12. The gLinear Failure Rate Distribution: A New Mixture with Bayesian and Non-Bayesian Analysis
Authors: R.M. Mandouh
(Accepted: 11 March 2023)
13. Accelerated Life Test Acceptance Sampling Plans for the Weibull Distribution with Constant Acceleration using EWMA and Modified EWMA Statistics
Authors: Raykundaliya, D.P., Christian, Sanjay and Divecha, Jyoti
(Accepted: 18 March 2023)
14. Agricultural Price Forecasting Based on Variational Mode Decomposition and Time-Delay Neural Network
Authors: Kapil Choudhary, Girish K. Jha, Ronit Jaiswal, P. Venkatesh and Rajender Parsad
(Accepted: 21 March 2023)
15. Number of Overlapping Runs Until a Stopping Time for Higher Order Markov Chain
Authors: Anuradha
(Accepted: 05 April 2023)
16. Topp-Leone Generated q-Weibull Distribution and its Applications
Authors: Nicy Sebastian, Jeena Joseph and Sona Santhosh
(Accepted: 15 April 2023)

17. Modeling Bivariate Survival Data By Compound Frailty Distributions
Authors: David D. Hanagal and Alok D. Dabade
(Accepted: 17 April 2023)
18. A Hybrid Regression Model for Cashew Nuts Price Prediction
Authors: Satyanarayana and Ismail B.
(Accepted: 17 April 2023)

Forthcoming Accepted Papers

1. Some Improved Separate Estimators of Population Mean in Stratified Ranked Set Sampling
Authors: Rajesh Singh and Anamika Kumari
(Accepted: 21 May 2023)
2. E-Bayesian and Hierarchical Bayesian Estimation for Inverse Rayleigh Distribution Based on Left Censoring Scheme
Authors: R. B. Athirakrishnan and E. I. Abdul Athar
(Accepted: 24 May 2023)
3. Development of Survey Weighted Composite Indices under Complex Surveys
Authors: Deepak Singh, Pradip Basak, Tauqueer Ahmad, Raju Kumar and Anil Rai
(Accepted: 05 June 2023)
4. Distribution of Runs of Length Exactly k_1 Until a Stopping Time for Higher Order Markov Chain
Authors: Anuradha
(Accepted: 10 June 2023)
5. Estimation of Premium Cost for HIV/AIDS Patients Under ART in Presence of Prognostic Factors
Authors: Gurprit Grover and Parmeet Kumar Vinit
(Accepted: 11 June 2023)
6. Integrated Redundant Reliability Model using k out of n Configuration with Integer Programming Approach
Authors: Srinivasa Rao Velampudi, Sridhar Akiri and Pavankumar Subbara
(Accepted: 22 June 2023)
7. A Semi-Parametric Regression Hazards Model for Duration of Singlehood in North-East India
Authors: Lourembam Neroka Devi and Kshetrimayum Anand Singh
(Accepted: 30 June 2023)

8. A Multi-Criteria Decision-Making Approach to Compare the Maternal Healthcare Status of India States: An Application of Datascience
Authors: Sangeeta Goala, Supahi Mahanta and Dibyojyoti Bhattacharjee
(Accepted: 14 July 2023)
9. A Rank-based Test of Independence of Covariate and Error in Nonparametric Regression with Missing Completely at Random Response Situation
Authors: Sthitadhi Das and Saran Ishika Maiti
(Accepted: 22 July 2023)
10. Partially Accelerated Reliability Demonstration Tests for a Parallel System with Weibull Distributed Components Under Periodic Inspection
Authors: Preeti Wanti Srivastava and Satya Rani
(Accepted: 26 July 2023)
11. Inference on Stress-Strength Reliability for Lomax Exponential Distribution
Authors: Parameshwar V. Pandit and Kavitha, N.
(Accepted: 28 July 2023)
12. Bayesian Inference for Glioma Data Using Generalized Burr X-G (GBX-G) Family with R and Stan
Authors: Devashish, Shazia Farhin, and Athar Ali Khan
(Accepted: 03 September 2023)
13. On the Robustness of LSD Layouts in the Presence of Neighbor Effects
Authors: Sobita Sapam and Bikas K Sinha
(Accepted: 11 September 2023)