



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

Volume 22, No. 2, December 2024 Issue

1. Modelling Climate, COVID-19, and Reliability Data: A New Continuous Lifetime Model under Different Methods of Estimation
Authors: Arvind Pandey, Ravindra Pratap Singh, Shikhar Tyagi, and Abhishek Tyagi
(Accepted: 15 October 2023)
2. Simple Linear Slope Estimators Based On Sample Quasi Ranges
Authors: Sharada V. Bhat and Shrinath M. Bijjargi
(Accepted: 28 October 2023)
3. Comparison of Cause Specific Rate Functions of Panel Count Data With Multiple Modes of Recurrence
Authors: Sankaran P. G., Ashlin Mathew P. M. and Sreedevi E. P.
(Accepted: 15 November 2023)
4. Price Forecasting of TOP (Tomato, Onion and Potato) Commodities using Hidden Markov-based Deep Learning Approach
Authors: G. Avinash, Ramasubramanian V., Ranjit Kumar Paul, Mrinmoy Ray, Shashi Dahiya, Mir Asif Iquebal, Samarth Godara and B. Manjunatha
(Accepted: 28 November 2023)
5. A New Lifetime Distribution: Statistical Inference and its Applications
Authors: Arvind Pandey Pawan Kumar Singh Mahendra Saha
(Accepted: 30 November 2023)
6. LDPC Codes Based on New Combinatorial Designs
Authors: Shyam Saurabh and Kishore Sinha
(Accepted: 02 December 2023)
7. Calibration Approach for Estimating Mean of a Stratified Population in the Presence of Non Response
Authors: Manoj K. Chaudhary, Anil Prajapati and Basant K. Ray
(Accepted: 03 December 2023)

8. Reliability Assessment of Two-Component Series System Shock Model
Authors: S. B. Munoli and Abhijeet Jadhav
(Accepted: 05 December 2023)
9. A Modified Measurement Error Model for Replicated Method Comparison Data with Skewness and Heavy Tails
Authors: Jeevana Duwarahan and Lakshika S. Nawarathna
(Accepted: 06 December 2023)
10. Study of Priority Based Network Nodes Using Quasi Birth and Death Process
Authors: Malla Reddy Perati and Abhilash Vollala
(Accepted: 07 December 2023)
11. Variations of Wholesale Price of Wheat in Different States of India under COVID-19 Pandemic
Authors: Rashmi, H. P. Singh and P. K. Singh
(Accepted: 10 December 2023)
12. Joint Importance Measures for Repairable Multistate Systems
Authors: V. M. Chacko, Ann Sania and Amrutha M.
(Accepted: 14 December 2023)
13. A Comprehensive Study of the Power Modified Lindley-Geometric Distribution in the T-X Family: COVID-19 Applications
Authors: Meenu Jose and Lishamol Tomy
(Accepted: 05 January 2024)
14. Wavelet-ARIMA-TDNN Model for Agricultural Commodity Price Forecasting
Authors: Sathees Kumar K., Banjul Bhattacharyya, Gowthaman T. and Elakkiya N.
(Accepted: 08 January 2024)
15. Bayesian Analysis of Exponentiated Exponential Power Distribution under Hamiltonian Monte Carlo Method
Authors: Laxmi Prasad Sapkota and Vijay Kumar
(Accepted: 09 January 2024)
16. Linear Trend-Free Group Divisible Design
Authors: Longjam Roshini Chanu and K.K. Singh Meitei
(Accepted: 24 January 2024)
17. A Systematic Literature Review of Sustainable Probabilistic Inventory Models
Authors: Khimya Tinani and Anuja Sarangale
(Accepted: 04 February 2024)

18. Extropy properties of Ranked Set Sample for Sarmanov Family of Distributions
Authors: Manoj Chacko and Varghese George
(Accepted: 25 February 2024)
19. Construction of Nearly Orthogonal Arrays Mappable to Tight Orthogonal Arrays of Strength Two Using Projective Geometry
Authors: Poonam Singh, Mukta D. Mazumder, and Santosh Babu
(Accepted: 29 February 2024)
20. Power Generalized DUS Transformation of Inverse Kumaraswamy Distribution and Stress-Strength Analysis
Authors: Amrutha M. and V. M. Chacko
(Accepted: 30 March 2024)

Shorter Communications

21. Resolvability of a BIB design of Takeuchi (1962)
(Author: Shyam Saurabh)
Accepted: 11 June 2024
22. Improving Data Validation
(Authors: Arun Kumar Nigam)
Accepted: 16 June 2024

Forthcoming Accepted Papers

1. R-optimal Designs for Logistic Regression Model in Two Variables
Authors: Mahesh Kumar Panda and Tofan Kumar Biswal
(Accepted: 04 April 2024)
2. Estimation for the Length Biased Log-Logistic Model under Adaptive Progressive Type II Censoring
Authors: Ranjita Pandey, Pulkit Srivastava and Sweta Shukla
(Accepted: 06 April 2024)
3. R-optimal Designs for Gamma Regression Model with Two Parameters
Authors: Mahesh Kumar Panda, Tofan Kumar Biswal and V.K. Gupta
(Accepted: 12 April 2024)
4. Discrete Type I Half-Logistic Weibull Distribution and Its Properties
Authors: M. Girish Babu and K. Jayakumar
(Accepted 14 April 2024)

5. Bulk Queuing Model with Reneging of Customers and their Retention
Shejal Gupta, Pradeep K. Joshi and K.N. Rajeshwari
(Accepted: 16 April 2024)
6. Inference Techniques, Properties, and Applications of the T-Marshall-Olkin X Family of Distributions
Authors: Meenu Jose and Lishamol Tomy
(Accepted: 24 April 2024)
7. Competing Risks Models with Multistate and Intermediate States
Authors: A. M. Rangoli, A. S. Talawar and R. P. Agadi
(Accepted: 25 April 2024)
8. Extinction and stationary distribution of a stochastic SEII_aI_qHR epidemic model with intervention
(Authors: Tamalendu Das, Tridip Sardar and Sourav Rana)
Accepted: 29 April 2024
9. Sample Size Determination for Clinical Studies when Crisp Inputs are not available
(Authors: Sai Sarada Vedururu, R.Vishnu Vardhan and K.V.S. Sarma)
Accepted: 01 May 2024
10. Construction of Order-of-Addition-Orthogonal Array Designs
(Authors: Muhsina A., Baidya Nath Mandal, Rajender Parsad and Sukanta Dash)
Accepted: 25 May 2024
11. A Hybrid ARIMA-GARCH type Copula approach for Agricultural Price Forecasting
(Authors: B. Manjunatha, Ranjit Kumar Paul, Ramasubramanian V., Amrit Kumar Paul, Md. Yeasin, Mrinmoy Ray, G. Avinash and Chandan Kumar Deb)
Accepted: 07 June 2024
12. Environmentally Responsible Index Tracking: Maintaining Performance while Reducing Carbon Footprint of the Portfolio
(Authors: Lakshmi M.V., Soudeep Deb, and Rituparna Sen)
Accepted: 08 June 2024
13. A Comprehensive Review of Data Science, Artificial Intelligence, and Big Data Analytics in Indian Official Statistics
(Authors: Prasily P. and Manoharan M.)
Accepted: 09 June 2024
14. Three-State Markov Probability Distributions for the Stock Price Prediction
(Authors: Tirupathi Rao Padi, Sarode Rekha, and Gulbadin Farooq Dar)
Accepted: 10 June 2024

15. An Economic Analysis of Two-Node Tandem Queue with Feedback
(Authors: Ankita Roy Chowdhury and Indra)
Accepted: 19 June 2024
16. Bayesian Estimation of Scale Parameter of Inverted Kumaraswamy Distribution Under Various Combinations of Different Priors And Loss Functions
(Authors: Ableen Kaur, Parmil Kumar, and Hemani Sharma)
Accepted: 19 June 2024
17. Determining Optimal Threshold and some Inferential Procedures for a Skewed ROC model in the Binary Classification Framework
(Authors: Sandhya Singh, Saebugari Balaswamy and R.Vishnu Vardhan)
Accepted: 25 June 2024
18. Nonparametric Estimation of Extropy-Related Measures with Length-Biased Data
(Authors: R. Dhanya Nair and E.I. Abdul Sathar)
Accepted: 30 June 2024
19. Mathematical model for spread of COVID-19 virus using fractional order approach
(Authors: Gajanan S. Solanke and Deepak B. Pachpatte)
Accepted: 15 July 2024
20. Neutrosophic Marshall Olkin Extended Burr-XII Distribution: Theoretical Framework and Applications with Multiple Survival Time Data Sets
(Authors: Shakila Bashir, Bushra Masood and Muhammad Aslam)
Accepted: 31 July 2024
21. Gumbel Distribution: Comparison of Bayesian Estimators Under Various Loss Functions
(Authors: P.M. Safwana and C. Chandran)
Accepted: 10 August 2024
22. Transient State Solution of Retrial Queueing System with Catastrophe
(Authors: Neelam Singla and Ankita Garg)
Accepted: 24 August 2024
23. Balanced and Partially Balanced Semi-Latin Rectangles with Block Size Two
(Authors: Kaushal Kumar Yadav, Sukanta Dash, Rajender Parsad, Baidya Nath Mandal, Anil Kumar and Mukesh Kumar)
Accepted: 06 September 2024

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Special Issue on

“Life and Work of CR Rao (1920-2023): The Revolutionary of Statistical Sciences”

In fond memory and honour of Late Prof CR Rao

Guest Editors: Bimal Kumar Sinha; Bikas Kumar Sinha; Shyamal Peddada; Thomas Mathew; Tapan Kumar Nayak; Bhramar Mukherjee; Nairnjana Dasgupta; S. Ejaz Ahmed; V.K. Gupta