



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

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Volume 19, Number 2 (December), 2021

1. On DUS Transformed Weibull Distribution and its Properties
Kalsoom Akhtar Chaudhry and Javaria Shareef
(Accepted: 01 July 2020)
2. Mixture Designs Generated Using Orthogonal Arrays From Mutually Orthogonal Latin Squares
Poonam Singh, Vandana Sarin and Neha Midha
(Accepted: 06 July 2020)
3. Factors Affecting on the Usage Pattern of Cloud Storage in Vadodara City of Gujarat
Khimya Tinani, Bhargav Choithwani, Bhagyashree Patil, Pathan Faiyazkhan and Tanvi Salat
(Accepted: 13 July 2020)
4. Generalized Lindley Shared Frailty Models
Arvind Pandey, David D. Hanagal and Shikhar Tyagi
(Accepted: 24 July 2020)
5. Combinatorial Patterns of D-Optimal Weighing Designs Using a Spring Balance
Monica Pena Pardo and Jyotirmoy Sarkar
(Accepted: 08 August 2020)
6. Depicting Bivariate Relationship with a Gaussian Ellipse
Jyotirmoy Sarkar and Mamunur Rashid
(Accepted: 08 August 2020)
7. Modelling Pepper Export Income in Sri Lanka Using Deterministic Decomposition and Seasonal ARIMA Models
W.P.M.C.N. Weerasinghe and D.D.M. Jayasundara
(Accepted: 08 October 2020)

8. Forecasting Infant Mortality Rate of India Using ARIMA Model: A Comparison of Bayesian and Classical Approaches
Manika Agarwal, Praveen Kumar Tripathi and Sarla Pareek
(Accepted: 09 October 2020)
9. On Association in Time of Markov Process With Application to Reliability and Survival Analysis
M. Manoharan and V.M. Chacko
(Accepted: 14 October 2020)
10. Estimation of Cure Fraction and Misclassification Probabilities for HIV/AIDS Patients Under ART Using Continuous Time Hidden Markov Model
Gurprit Grover, Sangeeta Chakravorty, Arpan Kumar Thakur
(Accepted: 23 November 2020)
11. Joint Modeling of HIV and Tuberculosis through Copula-based Bivariate Binary Model
Atanu Pal and Arabinda Das
(Accepted: 08 December 2020)
12. Modeling of Mobile Telephone Subscribers Using Piecewise Nonlinear Growth Models
P.K. Das and Anita Pal
(Accepted: 09 December 2020)
13. Estimating Sensitive Population Proportion Permitting Options for Various Respondents' Choices
Purnima Shaw and Sanghamitra Pal
(Accepted: 11 December 2020)
14. Irrigation Practices and Soft Computing Applications: A Review
Pradeep H.K., Jasma Balasangameshwara, M.S. Sheshshayee, K. Rajan and Prabhudev Jagadeesh
(Accepted: 15 December 2020)
15. Cause Specific Shared Frailty Proportional Reversed Hazards Models
Gleeja V. L. and P.G. Sankaran
(Accepted: 20 December 2020)
16. Uniform Spacings — a Bird's-eye View
Sthitadhi Das and Saran Ishika Maiti
(Accepted: 23 December 2020)
17. Estimating the Area under the ROC Curve in the Framework of Lindley Centered Distributions
Balaswamy, S. and Vishnu Vardhan, R.
(Accepted: 27 December 2020)

18. Measuring Interchangeability in School Lunch Intervention Data Using Concordance Correlation Coefficient
Gokul, T., Srinivasan, M.R. and Swaminathan, V. D.
(Accepted: 30 December 2020)
19. Automation of USDA Triangle Soil Texture Classification Using Finite State Machine: A Novel Conceptual Modeling Approach
Pradeep H.K., Jasma Balasangameshwara, K. Rajan, Madhu, M., Archana, B.K.
(Accepted: 31 December 2020)
20. Frequentist Predictive Inference For Wind Direction Data Under l -modal Circular Normal Model Through Sufficiency Approach
Sahana Bhattacharjee and Kishore Kumar Das
(Accepted: 08 January 2021)

FURTHER FORTHCOMING ACCEPTED PAPERS

1. Markov-Switching GARCH and Mixture of GARCH-type Models for Accuracy in Forecasting
Godfrey Joseph Saqware and Ismail B.
(Accepted: 18 January 2021)
2. Adjusted Design Effect Model for Individual Variables in Survey Data
Mohammed Quazi and Yan Lu
(Accepted: 28 January 2021)
3. Selective Harvesting of Tobacco Leaves: An Approach based on Texture Features
P.B. Mallikarjuna and D.S. Guru
(Accepted: 01 February 2021)
4. The Transmuted Inverted Nadarajah-Haghighi Distribution: Different Estimation Methods and Applications
R.M. Mandouh
(Accepted: 05 February 2021)
5. Lexicon Based Sentiment Analysis (LBSA) to Improve the Accuracy of Acronyms, Emoticons, and Contextual Words
T. Nikil Prakash and A. Aloysius
(Accepted: 08 February 2021)
6. Correlated Inverse Gaussian Frailty Models Based on Reversed Hazard Rates
David D. Hanagal
(Accepted: 09 February 2021)

7. Efficient Use of Non-Sensitive Auxiliary Variable under Scrambled Randomized Response Mechanism for Estimating Sensitive Population Mean in Successive Sampling
Housila P. Singh and Preeti Patidar
(Accepted: 02 March 2021)
8. Some Recursive Constructions of α -Resolvable Group Divisible Designs
Shyam Saurabh and Kishore Sinha
(Accepted: 10 March 2021)
9. An Economical Study of Two- State Queueing Model with Initial Customers and Bernoulli Schedules
Sharma and Indra Rani
(Accepted: 11 March 2021)
10. A General Class of Product-cum-Ratio-Type Exponential Estimators in Double Sampling for Stratification of Finite Population Mean
Housila P. Singh and Pragati Nigam
(Accepted: 13 March 2021)
11. A Few Methods of Stratification for Allocation Proportional to Stratum Total under a Superpopulation Model
Bhuwaneshwar Kumar Gupt and Md. Irphan Ahamed
(Accepted: 28 March 2021)
12. Chain Ratio-Type and Exponential Chain Ratio-Ratio-Type Estimators in Double Sampling for Stratification
Housila P. Singh and Pragati Nigam
(Accepted: 21 April 2021)
13. Cost and Profit Analysis of State-dependent Feedback Queue with Impatient Customer Subject to Catastrophes
Ankita Roy Chowdhury, Indra
(Accepted: 23 April 2021)
14. Bayesian Inference of Progressive Type - II Censored Data using Mixture of Log Logistic Distributions
S.S. Bhavsar and M.N. Patel
(Accepted: 01 May 2021)
15. Estimation in Shifted Lindley Distribution
Saran Ishika Maiti, Sourav Rana and Arindom Chakraborty
(Accepted: 01 May 2021)
16. Bayesian Modeling of VAR Model with Multiple Covariates
Umme Afifa, Varun Agiwal and Jitendra Kumar
(Accepted: 07 May 2021)

17. On Uniform Truncated Poisson Distribution and its Applications
Krishnarani S. D. and Vidya V. P.
(Accepted: 13 May 2021)
18. Fitting Model for Self-Similar Traffic - Time Dependent Markovian Process and Second Order Statistics
Abhilash Vollala and Malla Reddy Perati
(Accepted: 20 May 2021)
19. Soft Computing based DECEL Model for Optimization of Water Usage in Irrigation Management
Pradeep H.K., Jasma Balasangameshwara, K. Rajan, Archana B.K.
(Accepted: 23 May 2021)
20. Symbolic Data Analysis vs Classical Data Analysis: A Comparative Study
Dipanka Bora and Hemanta Saikia
(Accepted: 09 June 2021)
21. Identifying the Time of a Permanent Shift in the Normal Process Mean with Memory Type Control Chart
R. A. Kapase and V. B. Ghute
(Accepted: 09 June 2021)
22. A-optimal Designs for Cubic Polynomial Models with Mixture Experiments in Three Components
Mahesh Kumar Panda and Rushi Prasad Sahoo
(Accepted: 20 July 2021)
23. A Stochastic Modeling of a Monthly Rainfall of Hillsborough County Using Frechet Distribution
H. J. Patel and M. N. Patel
(Accepted: 08 August 2021)
24. Transmuted Sine - G Family of Distributions: Theory and Applications
K.M. Sakthivel and J. Rajkumar
(Accepted: 10 August 2021)
25. Constant Block-Sum Designs Through Confounded Factorials
Sudhir Gupta
(Accepted: 23 August 2021)
26. Use of Change Point Analysis in Seasonal ARIMA Models for Forecasting Tourist Arrivals in Sri Lanka
B. R. P. M. Basnayake and N. V. Chandrasekara
(Accepted: 21 September 2021)

27. **Robustness of Bayes Estimation of Coefficient of Variation for Normal Distribution for a Class of Moderately Non-Gamma Prior Distributions**
Priyanka Aggarwal and Samridhi Mehta
(Accepted: 03 October 2021)
28. **Almost Unbiased Dual Exponential Type Estimators of Population Mean Using Auxiliary Information**
Sajad Hussain, Manish Sharma, Banti Kumar and Vilayat Ali Bhat
(Accepted: 17 October 2021)
29. **Robust Parameter Design Using 20 Run Plackett-Burman Design**
Renu Kaul and Sanjoy Roy Chowdhury
(Accepted: 07 November 2021)