List of Reviewers
(as per the published articles)
Year: 2025

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Optimization of a Functional Beverage Formulation Using a Constrained Mixture Design with Multiple Responses
DOI: 10.9734/ajpas/2025/v27i1699

Reviewers:
(1) Sudipta Roy, Bengal College of Pharmaceutical Technology, India.
(2) Nabi Ikram, University of Blida 1, Algeria.
Complete Peer Review History: https://sdiarticle5.com/review-history/128562

Exploring the Dynamic Interrelationships of Major Cereal Prices in Northern Ghana: An Empirical Analysis Using VAR Modeling
DOI: 10.9734/ajpas/2025/v27i1700

Reviewers:
(1) Alabi Salihu Ibrahim, Ahmadu Bello University, Zaria, Nigeria.
(2) P. Pushpa, St. Peter's Institute of Higher Education and Research, India.

Complete Peer Review History: https://sdiarticle5.com/review-history/128906

Weighted Random Effects Multinomial Model with Application to Anaemia and Malnutrition Comorbidity among under Five Children in Nigeria
DOI: 10.9734/ajpas/2025/v27i1701

Reviewers:
(1) You Hui Wei, UNITAR International University, Malaysia.
(2) Pooja Sujit Gaikwad, T.C. College, Baramati, India.

Complete Peer Review History: https://sdiarticle5.com/review-history/128912

Comparison of Some Estimation Methods of Missing Data in Hidden Markov Model
DOI: 10.9734/ajpas/2025/v27i1702

Reviewers:
(1) Konata Lalokesh, Malla Reddy College of Engineering, India
(2) Mukta Agarwal, Indus University, India

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Comparison of Some Optimizers in Long Short-Term Memory Networks with an Application to Tigris River Water Imports
DOI: 10.9734/ajpas/2025/v27i1703

Reviewers:
(1) Dean Tirkaamiana, Universitas Pembangunan Nasional "Veteran" Jawa Timur, Indonesia.
(2) S. Rajalakshmi, Dr.N.G.P. Institute of Techology, India.

Complete Peer Review History: https://sdiarticle5.com/review-history/128619

An Exploration of Nigerian Exchange Rate Using ARIMA Model
DOI: 10.9734/ajpas/2025/v27i1704

Reviewers:
(1) Valentina Sinaj, University of Tirana, Albania.
(2) Elisha John Inyang, University of Uyo, Nigeria.

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Application of Finite Univariate Gaussian Mixture Models for High-Frequency Financial Data Modelling
DOI: 10.9734/ajpas/2025/v27i1705

Reviewers:
(1) Peyman Taebi, Islamic Azad University Tehran, Iran.
(2) Bastien Chassagnol, Sorbonne University, France.
Complete Peer Review History: https://sdiarticle5.com/review-history/128648

Inverse Monsef Distribution: Statistical Properties, Estimation and Application
DOI: 10.9734/ajpas/2025/v27i1706

Reviewers:
(1) Mojammel Haque Sarkar, Indian Institute of Technology Indore, India.
(2) Naila Amjad, Lahore College for Women University, Pakistan.
(3) Sule Omeiza Bashiru, Confluence University of Science and Technology, Nigeria.

Complete Peer Review History: https://sdiarticle5.com/review-history/127881

Comparing ARFIMA and ARIMA Models in Forecasting under Five Mortality Rate in Tanzania
DOI: 10.9734/ajpas/2025/v27i1707

Reviewers:
(1) Hakeem Adekunle, Georgia State University, USA.
(2) Guillermo Magnou, Universidad ORT Uruguay, Uruguay.
(3) K. P. Suresh, ICAR- NIVEDI, India.

Complete Peer Review History: https://sdiarticle5.com/review-history/129255

On the Inverted Beta Generated Slash Distribution: Properties and Application
DOI: 10.9734/ajpas/2025/v27i1708

Reviewers:
(1) Mayur V. Savsani, H. & H. B. Kotak Institute of Science, India.
(2) Fasna K, University of Calicut, India.

Complete Peer Review History: https://sdiarticle5.com/review-history/129307

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Application of Kolmogorov-Smirnov Test to Evaluation of Population Distrbution by Age in Single Years
DOI: 10.9734/ajpas/2025/v27i2709

Reviewers:
(1) Jalil Manafian, University of Tabriz, Iran.
(2) Gabriel Gomes de Oliveira, UNICAMP/FEEC, Brazil.

Complete Peer Review History: https://sdiarticle5.com/review-history/104356

Application of Logistic Regression in Enhancing Digital Credit Risk Management in Commercial Banks
DOI: 10.9734/ajpas/2025/v27i2710

Reviewers:
(1) Girish Wali, USA.
(2) Daniel K. Bakker, University of Eastern Africa, Baraton, Kenya.

Complete Peer Review History: https://sdiarticle5.com/review-history/129799

Bayesian Analysis of the Loai Distribution with Conjugate Priors: Methodology and Applications
DOI: 10.9734/ajpas/2025/v27i2711

Reviewers:
(1) Oladapo Muyiwa Oladoja, Abiola Ajimobi Technical University, Nigeria.
(2) Oladimeji Damilare Matthew, University of Abuja, Nigeria.
(3) E. I. Abdul Sathar, University of Kerala, India.

Complete Peer Review History: https://sdiarticle5.com/review-history/127154

Sine-Ishita Distribution: Properties and Applications to Survival Data
DOI: 10.9734/ajpas/2025/v27i2712

Reviewers:
(1) Sule Omeiza Bashiru, Confluence University of Science and Technology, Nigeria.
(2) Mohamed S. Hamed, Gulf Colleges, KSA.
(3) Adetunji, A. A, Federal Polytechnic, Ile-Oluji, Nigeria.

Complete Peer Review History: https://sdiarticle5.com/review-history/129877

Uncovering Risk Factors for Heart Disease and Predicting Outcomes Using Machine Learning Approaches
DOI: 10.9734/ajpas/2025/v27i2713

Reviewers:
(1) Suresh Subramanian, College of Information Technology, Ahlia University, Kingdom of Bahrain.
(2) Annwesha Banerjee, JIS College of Engineering, India.
(3) Mudasir M. Kirmani, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir, India.

Complete Peer Review History: https://sdiarticle5.com/review-history/129937

Comparative Analyses of the Poisson-Exponential-Gamma to Selected Discrete Distributions with Applications
DOI: 10.9734/ajpas/2025/v27i2714

Reviewers:
(1) Brijesh P. Singh, Institute of Science, Banaras Hindu University, India.
(2) Ahlem Ghouar, Higher School of Management Sciences, Algeria.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/130138

Application of Sensitivity & Principal Component Analyses for Modelling of Safety Parameters for Oil & Gas Companies in Niger Delta
DOI: 10.9734/ajpas/2025/v27i2715

Reviewers:
(1) Abhinav Chattaraj, Rutgers University, India.
(3) Oshim Judethadeus Chukwuebuka, Enugu State University of Science and Technology, Nigeria.

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A Bayesian Hidden Markov Model for Predicting Depression and Evaluating Medical Interventions
DOI: 10.9734/ajpas/2025/v27i2716

Reviewers:
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Effect of Electronic Payment Channels on the Performance of Commercial Banks in Nigeria
DOI: 10.9734/ajpas/2025/v27i2717

Reviewers:
(1) Charles Otieno Ndede, Jomo Kenyatta University of Agriculture and Technology University, Kenya.
(2) Chinwendu Sopulu Divine, Redeemer's University, Nigeria.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/130709

Exploring the Urban-Rural Divide in Childhood Obesity: A Comprehensive Study of Socioeconomic, Dietary, and Lifestyle Determinants
DOI: 10.9734/ajpas/2025/v27i2718

Reviewers:
(1) Mahmud Hasan Riaz, International Islamic University, Bangladesh.
(2) Mutari Haruna Dunari, Hussaini Adamu Federal Polytechnic, Nigeria.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/130906

Exploring Long-memory Dynamics in Nigerian Commercial Banks' Lending Rates: A Comparative Analysis of ARIMA, ARFIMA, and FIGARCH Models
DOI: 10.9734/ajpas/2025/v27i2726

Reviewers:
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(2) Owolabi Adesegun (ACIB), The Federal Polytechnic Ado, Nigeria.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/130788

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Analyzing Anemia Spread among Nigerian Children Aged 0-59 Months
DOI: 10.9734/ajpas/2025/v27i3720

Reviewers:
(1) Gilbert Makanda, Central University of Technology, South Africa.
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(3) Chairman M, Karpagam Institute of Technology, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/121959

Supervised Machine Learning Models for COVID-19 Prediction
DOI: 10.9734/ajpas/2025/v27i3719

Reviewers:
(1) Cirruse Salehnasab, Yasuj University of Medical Sciences, Iran.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/131080

Statistical Analysis of Factors Associated with Non-Compliance with Epidemiological Standards in the Bokoro Health Zone (2021 To 2023)
DOI: 10.9734/ajpas/2025/v27i3721

Reviewers:
(1) Hamza Javed, Ayub Teaching Hospital, Khyber Medical University, Pakistan.
(2) Ina Pasho, Faculty of Natural Sciences, Albania.

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Modelling of Heterogeneity and Serial Dependencies in Precipitation Data Using Hidden Markov Models
DOI: 10.9734/ajpas/2025/v27i3722

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(2) Triphonia Ngailo, Dar es Salaam Institute of Technology, Tanzania.

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Impact of Media Content on the Moral Construct of Youth: A Study at Tamale Technical University
DOI: 10.9734/ajpas/2025/v27i3723

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Beyond the Bars: Exploring Pre-service Teachers' Understanding of Histograms
DOI: 10.9734/ajpas/2025/v27i3724

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Applying Banach Algebra for Generalized (α-Ψ)-Contractive Type Maps in Cone Metric Spaces
DOI: 10.9734/ajpas/2025/v27i3725

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/131009

Modelling Interest Rate Return in Nigeria: The Asymmetric Power Autoregressive Conditional Heteroscedasticity
DOI: 10.9734/ajpas/2025/v27i3727

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(1) Vitaliy Makohon, State Biotechnological University, Ukraine.
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Statistical Synthesis of Heckman-Based Selection with Conway-Maxwell-Poisson Probability Models
DOI: 10.9734/ajpas/2025/v27i3728

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(1) Ramakrishna Kolikipogu, Chaitanya Bharathi Institute of Technology (Osmania University), India.
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Innovative Statistical Modelling of Exchange Rates and Agricultural Sector Performance in Nigeria: The Markov-Switching Vector Autoregressive Modelling
DOI: 10.9734/ajpas/2025/v27i3729

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Exponential-Gamma-Rayleigh Distribution: Theory and Properties
DOI: 10.9734/ajpas/2025/v27i3730

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/131500

Best Method among three Trend Analysis Methods and Its Forecasting
DOI: 10.9734/ajpas/2025/v27i3731

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(1) Bishwajeet Prakash, Harihar Saha College, Narayan Mandal University, India.
(2) Doan Van Dinh, Industrial University of Ho Chi Minh City, Vietnam.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/131730

A Study on Exponential Poisson Lindley Distribution, Properties, Simulations and its Application in Engineering
DOI: 10.9734/ajpas/2025/v27i3732

Reviewers:
(1) Indrani Mukherjee, Maulana Abul Kalam Azad University of Technology, India.
(2) Oluwamayowa Opeyimika Olajide, Nigeria.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/131786

Performance of Modified Exponentially Weighted Moving Average (M-EWMA) Control Charts Using Transformed F-Distribution
DOI: 10.9734/ajpas/2025/v27i3733

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A Deterministic Approach to Analyze COVID-19 Reinfection Using a Susceptible Vaccination Exposed Quarantine Asymptomatic Infectious Treatment and Recovered (SVEQAITR) Model
DOI: 10.9734/ajpas/2025/v27i3734

Reviewers:
(1) Arun D. Nagargoje, Pratibha Niketan Mahavidyalaya, Nanded, Maharasthra, India.
(2) Mohit Soni, Govt. Holkar Science College, Indore, Madhya Pradesh, India.
(3) Jeremiah Savali Kilonzi, Meru University of Science and Technology, Kenya.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/132038

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A Hybrid Price Prediction Model For Diesel and Gasoline in Ghana
DOI: 10.9734/ajpas/2025/v27i4735

Reviewers:
(1) Prakash Pinto, St Joseph Engineering College, India.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/126114

Statistical Modelling of Staff Survival Time in Service at Chuka University
DOI: 10.9734/ajpas/2025/v27i4736

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(1) Jaleta Abdisa Fufa, Jimma University, Ethiopia.
(2) Jacob Oketch Okungu, Meru University of Science and Technology, Kenya.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/124175

Mathematical Modeling of Ecological Consequences of Climate-Induced Phenological Shifts on Predator-Prey Dynamics
DOI: 10.9734/ajpas/2025/v27i4737

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Modelling Trends of Hepatitis E Infection
DOI: 10.9734/ajpas/2025/v27i4738

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(1) Sanatan Majhi, Utkal University, India.
(2) Sumera Khalil, University of Health sciences, Pakistan.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/112619

Adaptive Nonparametric Regression Using Hybrid Fourier-Wavelet Series: A Generalized Inference Approach for Multiscale Socioeconomic Dynamics
DOI: 10.9734/ajpas/2025/v27i4739

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On Propositions Pertaining to the Riemann Hypothesis IV
DOI: 10.9734/ajpas/2025/v27i4740

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(1) Sateesh Kumar Deevi, K L deemed to be University, India.
(2) Papadatu Carmen-Penelopi, “Dunarea de Jos” University from Galati, Romania.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/133553

Effect of Outliers on Buys-Ballot Estimates of Trend Parameters and Seasonal Indices in Descriptive Time Series Analysis
DOI: 10.9734/ajpas/2025/v27i4741

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(2) Mukta Agarwal, Sabarmati University, India.

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Non-Archimedean Stochastic Fixed-Point Theory Via Sheaf Methods
DOI: 10.9734/ajpas/2025/v27i4742

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(1) Prakashkumar H. Patel, Neotech College of Applied Science & Research, Shri Govind Guru University, India.
(2) Reza Chaharpashlou, Jundi-Shapur University of Technology, Iran.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/133980

Exploring the Factors and Effects of Students' Loyalty to Mobile Network Providers in Lagos, Nigeria: An Investigative Study
DOI: 10.9734/ajpas/2025/v27i4743

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Impact of Public Debt on Private Investment in Kenya
DOI: 10.9734/ajpas/2025/v27i4744

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(2) Sukanta Sarkar, Gambella University, Ethiopia.
(3) Qanita Imtiaz, Ilma University, Pakistan.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/132018

Assessing Diabetes Risk Factors Using Logistic Regression: A Kaggle-Based Study
DOI: 10.9734/ajpas/2025/v27i4745

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/132579

Hybrid Predictive Modeling of Wet Gas PVT Properties for Niger Delta Reservoirs
DOI: 10.9734/ajpas/2025/v27i4746

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(1) Mohammad Reza Mahdiani, Canada.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/133446

Development and Evaluation of a Machine Learning Model for Predicting Terminal Diseases
DOI: 10.9734/ajpas/2025/v27i4747

Reviewers:
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(2) Sudhanshu Sekhar Tripathy, C.V Raman Global University Bhubaneswar, India.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/134681

Identification of the Maximum Safe Dose for Binary Endpoints
DOI: 10.9734/ajpas/2025/v27i4748

Reviewers:
(1) G Thippanna, Dr KV Subbareddy Institute of Technology, India.
(2) Boyan Markov, University of National and World Economy, Bulgaria.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/134749

Assessing the Effectiveness of Online Learning Platforms at Federal University of Lafia, Nasarawa State, Nigeria
DOI: 10.9734/ajpas/2025/v27i4749

Reviewers:
(1) Priyanka Dhoot, D Y Patil International University, India.
(2) Servais Dieu-Donné Yédia Dadjo, University of Abomey-Calavi, Benin.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135282

Efficient Combined Estimator for Parameter Estimation of Linear Regression Model with Multicollinearity
DOI: 10.9734/ajpas/2025/v27i5750

Reviewers:
(1) Shaymaa Riyadh Thanoon, Mosul University, Iraq.
(2) Shaimaa Mohamed, Cairo University, Egypt.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135827

Development of a Robust Generalized Least Squares Liu Estimator to Address Some Basic Assumptions Violations in Linear Regression Model
DOI: 10.9734/ajpas/2025/v27i5751

Reviewers:
(1) L. Francis Maria Anand, Christ University, India.
(2) Ruqaya Shaker Mahmood, University of Technology, Iraq.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/122994

An Application of Natural Cubic Spline for the Prediction and Forecasting of Rainfall in Uttar Pradesh, India
DOI: 10.9734/ajpas/2025/v27i5752

Reviewers:
(1) Ardiansyah Ramadhan, Telkom University, Indonesia.
(2) M.S. Minu, SRM Institute of Science and Technology, India.
(3) Ayushman Pranav, Bennett University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135514

Fitting a Normal Distribution to the Heights of Akwa Ibom State University Students Using Chi-square
DOI: 10.9734/ajpas/2025/v27i5753

Reviewers:
(1) Ammar Abdulazeez Yahya, University of Technology- Iraq, Iraq.
(2) Debabrata Datta, Heritage Institute of Technology, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135127

Predicting Burnout in College Students: A Machine Learning Approach Using Decision Tree and Psychometric Data
DOI: 10.9734/ajpas/2025/v27i5754

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135716

The Marshall-Olkin Inverse Rayleigh Distribution and Its Applications
DOI: 10.9734/ajpas/2025/v27i5755

Reviewers:
(1) Rami Reddy Munnangi, Lakireddy Bali Reddy College of Engineering, India.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135415

A Simulation-based Approach to Understanding the Sampling Distribution of the Mean
DOI: 10.9734/ajpas/2025/v27i5756

Reviewers:
(1) Micheal Vincent Abiodun, Nigeria.
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(4) Mathil Kamil Thamer, University of Anbar, Iraq.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135601

An Introduction and Reexamination of Hyperprobability and Superhyperprobability: Comprehensive Overview
DOI: 10.9734/ajpas/2025/v27i5757

Reviewers:
(1) M. N. Bharathi, Vels University, India.
(2) Ubaid Asif Farooqui, Maharishi University of Information Technology, India.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/136320

Effectiveness of Kahoot! Application on Student Achievement in Mathematics Education
DOI: 10.9734/ajpas/2025/v27i5758

Reviewers:
(1) B. Keerthana, Sri Sai Ram Engineering College, India.
(2) Veronica C. Ude, Godfrey Okoye University, Nigeria.
(3) Shah Murtaza Rashid Al Masud, University of Asia Pacific, Bangladesh.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/136599

Impact of Government Environmental Regulations and Foreign Investment on Urban Housing Affordability: A Longitudinal Econometric Analysis (2014–2023)
DOI: 10.9734/ajpas/2025/v27i5759

Reviewers:
(1) Ba Nkonge Habakkuk, University of Embu, Kenya.
(2) Sayed Uddin, University Malaysia Sabah, Malaysia.
(3) Ali Ahmad El-Amin, Lebanon.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/136671

Comparative Evaluation of Statistical Methods for Detecting Rater Bias in Ordinal Categorical Data
DOI: 10.9734/ajpas/2025/v27i5760

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(1) Puja Singh, Bundelkhnad Medical College, India.
(2) Chandra Shikhi Kodete, Eastern Illinois University, USA.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137201

Determinants of Mental Health During the COVID-19 Pandemic in Egypt: A GSEM Analysis of Socioeconomic Factors and Income Changes Mediation
DOI: 10.9734/ajpas/2025/v27i5761

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(2) Hanan Abdel kareem Abdel latif Elsaied, Suez Canal University, Egypt.

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Comparative Predictive Performance of Artificial Neural Networks and ARIMA Models for COVID-19 Case Forecasting in Nigeria
DOI: 10.9734/ajpas/2025/v27i6762

Reviewers:
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137619

Determinants of Infant Mortality in Kenya based on Kenya Demographic and Health Survey 2022: Applying Cox proportional Hazards Model
DOI: 10.9734/ajpas/2025/v27i6763

Reviewers:
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Evaluating the Influence of Environmental Factors on Wheat Growth Using Mixed-effects Modeling
DOI: 10.9734/ajpas/2025/v27i6764

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Norm-Attainable Operators in Hilbert Spaces: Probabilistic and Finite-Rank Perspectives
DOI: 10.9734/ajpas/2025/v27i6765

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/130214

Assessing the Impact of the COVID-19 Pandemic on Nigeria's Economic Performance Using VAR Model: Evidence from Key Economic Indicators
DOI: 10.9734/ajpas/2025/v27i6766

Reviewers:
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(2) Micheal Vincent Abiodun, Nigeria.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137585

Non-Parametric Estimation of the Posterior Distribution in Monitoring Primary School Enrollment in Mt. Elgon Region, Kenya
DOI: 10.9734/ajpas/2025/v27i6767

Reviewers:
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(2) K. Kalaiarasi, Cauvery College for Women, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137134

A Mathematical Model of Cardiovascular Disease Dynamics Incorporating Personal Risk Factors
DOI: 10.9734/ajpas/2025/v27i6768

Reviewers:
(1) Santushti Santosh Betgeri, Vishwakarma Institute of Technology, India.
(2) Omprakash S, SRMV College of Arts and Science, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137983

The Poisson - Pratibha Probability Model with Statistical Properties and Applications
DOI: 10.9734/ajpas/2025/v27i6769

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(2) Nelson Doe Dzivor, Accra Technical University, Ghana.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137727

A Modified Super Convergent Line Search Algorithm for Solving Quadratically Constrained Quadratic Optimization Problems
DOI: 10.9734/ajpas/2025/v27i6770

Reviewers:
(1) A.H. Sharief, Dhanekula Institute of Engineering and Technology, India.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/136969

Non-Nested Test Statistic for Comparison of the Two-Parameter Burr Type X and Gamma-Weibull Distributions with Application to Heights of Students of Akwa Ibom State University, Nigeria
DOI: 10.9734/ajpas/2025/v27i6771

Reviewers:
(1) Kshirod Sarmah, Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya, India.
(2) Tsedeke Lambore Gemecho, Wachemo University, Ethiopia.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137163

Modeling and Decoding Hidden States in Sequential Data Using Hidden Markov Model
DOI: 10.9734/ajpas/2025/v27i6772

Reviewers:
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(2) Nivetha Martin, Arul Anandar College, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/138634

Analyzing the Factors Influencing under Five Mortality in Kenya: Insights from the 2022 Survey Data
DOI: 10.9734/ajpas/2025/v27i6773

Reviewers:
(1) Louisa Muparuri, Former PhD at the University of Botswana, Zimbabwe.
(2) Benedict Kimwaki, Kenya.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/133005

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A Hybrid Intrusion Detection System Combining PCAMIX, KPCA, and Random Forest for Enhanced Anomaly Detection
DOI: 10.9734/ajpas/2025/v27i7774

Reviewers:
(1) Kumrashan Indranil Iyer, WGU, USA.
(2) Nilamadhab Mishra, G H Raisoni College of Engineering and Management, India.
(3) Vinay Kumar Singh, Amity University Chhattisgarh, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137990

Hybrid Model for Under-five Mortality Rate Forecasting in Nigeria
DOI: 10.9734/ajpas/2025/v27i7775

Reviewers:
(1) Sanjay Mohapatra, OUTR University, India.
(2) Mohammad Islam, Era University, India.
(3) Tintu P B, Adi Shankara Institute of Engineering and Technology, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/138411

Artificial Intelligence in Healthcare: A Systematic Review of Virtual Healthcare Assistants
DOI: 10.9734/ajpas/2025/v27i7776

Reviewers:
(1) Yonas Getenet Bekele, United World Colleges (UWC International), United Kingdom.
(2) Arajit Saha, American International University-Bangladesh (AIUB), Bangladesh.
(3) Sonia Rajoria, Center for Legal Studies Gitarattan International Business School Affiliated under GGSIPU, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137634

Exploring the Impact of Key Factors and their Interactions on Process Outcomes in Experimental Optimization
DOI: 10.9734/ajpas/2025/v27i7777

Reviewers:
(1) Sudheer Devaraju, University of Houston Texas, USA.
(2) Swetha. N, Madras University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/134755

A Comprehensive Review of Machine Learning Approaches for Predictive Analytics in Healthcare Diagnosis and Clinical Decision-making
DOI: 10.9734/ajpas/2025/v27i7778

Reviewers:
(1) Nihar Ranjan Panda, Siksha o Anusandhan Deemed to be University, India.
(2) Sakila Akter Jahan, Illinois State University, USA.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137633

Modern Prediction Models for BMI: Contrasting XGBoost with Bayesian Geo-additive Quantile Regression Model in Women's Health
DOI: 10.9734/ajpas/2025/v27i7779

Reviewers:
(1) Sanjay Kumar, K. L University, India.
(2) Hatice Nur Canpolat, Gazi University, Turkey.
(3) Riadh Kariem, Community College of Qatar, Qatar.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/139572

Gamma-exponential Distribution (GED): Theory and Its Properties
DOI: 10.9734/ajpas/2025/v27i7780

Reviewers:
(1) Brijesh P. Singh, Banaras Hindu University, India.
(2) Fahmeeda Faique Shaikh, Gujarat Arts & Science College, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/133280

Applications of Hidden Markov Models in Detecting Regime Changes in Bitcoin Markets
DOI: 10.9734/ajpas/2025/v27i7781

Reviewers:
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(2) Paul Imoukhedeme, Usmanu Danfodiyo university Sokoto, Nigeria.
(3) Keyue Yan, University of Macau, China.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/128006

Application of Markov Chain Model to Analysis and Prediction of Green Gram Price Transitions in Kitui County, Kenya
DOI: 10.9734/ajpas/2025/v27i7782

Reviewers:
(1) Shrinwantu Raha, Bhairab Ganguly College, India.
(2) Roberto P.L. Caporali, Italy.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/139512

Generalized Almost Unbiased Estimator of Finite Population Variance under Stratified Random Sampling
DOI: 10.9734/ajpas/2025/v27i7783

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(1) Nirupama Sahoo, Gangadhar Meher University, India.
(2) Chandni Kumari, University of Lucknow, India.
(3) Okafor, Ikechukwu Boniface, Nigeria.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/137286

A Hybrid LSTM-DCC Model for Multivariate Cryptocurrency Volatility Prediction
DOI: 10.9734/ajpas/2025/v27i7784

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/139207

Monitoring Dispersion in the Compressive Strength of Parts Using Group Runs Control Chart
DOI: 10.9734/ajpas/2025/v27i7785

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/139793

Prevalence and Determinants of Transactional Sex among Commercial Drivers in Southwest, Nigeria
DOI: 10.9734/ajpas/2025/v27i7786

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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/139389

A Weibull-fréchet Proportional Hazard Model with Applications to Tuberculosis Data
DOI: 10.9734/ajpas/2025/v27i7787

Reviewers:
(1) Biswadip Basu Mallik, Institute of Engineering & Management (School of University of Engineering and Management), India.
(2) Angelo Marcelo Tusset, Federal University of Technology – Paraná (UTFPR), Brazil.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/140482

A Hybrid GPR-GAM Model for Enhanced Spatio-Temporal Climate Prediction in Kenya
DOI: 10.9734/ajpas/2025/v27i7788

Reviewers:
(1) D. B. Shanmugam, India.
(2) Abhishek Pandey, IAR University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/140749

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Modelling Spatial and Non-Linear Trends in Climate Data Using Gaussian Process Regression and Generalized Additive Model
DOI: 10.9734/ajpas/2025/v27i8789

Reviewers:
(1) Mathil Kamil Thamer, University of Anbar, Iraq.
(2) B. Revathy, Sri Sarada College for Women (Autonomous), India.
(3) Peyman Taebi, Islamic Azad University, Iran.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/140747

Exchange Rate Risk Measurement of Kenyan Commercial Banks: By Integrating Value-at-Risk and Extreme Value Theory
DOI: 10.9734/ajpas/2025/v27i8790

Reviewers:
(1) Naji M. Odel, Soran University, Iraq.
(2) Remal Shaher Al-Gounmeein, Al-Hussein Bin Talal University, Jordan.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/140049

Prediction of Stock Prices Using LSTM-ARIMA Hybrid Deep Learning Model
DOI: 10.9734/ajpas/2025/v27i8791

Reviewers:
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(2) Santosh Kumar, Purnea University Purnia Bihar, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/141267

Estimating Parameters of the Beta Regression Model Using the Dung Beetle Optimizer: Comparative Analysis with BFGS and Application to Thalassemia Data
DOI: 10.9734/ajpas/2025/v27i8792

Reviewers:
(1) Sridevi PC, Takshashila University, India.
(2) Grishma Poudel, Pokhara University, Nepal.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/139949

A Study On Hyperbolic Generalized Edouard Numbers
DOI: 10.9734/ajpas/2025/v27i8793

Reviewers:
(1) A. Ahila, Kalasalingam Academy of Research and Education – Deemed to be University, India.
(2) Ahmed Buseri Ashine, Arsi University, Ethiopia.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/141199

Fitting Multivariate Seasonal Models to Climatic Data in Nigeria: A Case Study of Akwa Ibom State
DOI: 10.9734/ajpas/2025/v27i8794

Reviewers:
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(2) T. Jai Sankar, Bharathidasan University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/140206

Variance Estimation in Sample Surveys: Utilizing Auxiliary Variable Information
DOI: 10.9734/ajpas/2025/v27i8795

Reviewers:
(1) Obed Tiwah John, Nigeria.
(2) Pankaj Nagar, University of Rajasthan, India.
(3) Menakshi Pachori, Sanskriti University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/141669

Forecasting Malaysian Rubber Prices Using Time Series Models
DOI: 10.9734/ajpas/2025/v27i8796

Reviewers:
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(2) Velly Anatasia, Bunda Mulia University, Indonesia.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/142390

Modeling the Number of Road Accidents in Kenya Using Time Series Analysis: A SARIMA Approach
DOI: 10.9734/ajpas/2025/v27i8797

Reviewers:
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(2) Raimonda Dervishi, Polytechnic University of Tirana, Albania.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/138126

Bayesian Model for Predicting Voting Behavior in Presidential Elections in Kenya
DOI: 10.9734/ajpas/2025/v27i8798

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(2) Sanjay Kumar, KLEF Deemed to be University, Green Fields, India.
(3) Puja Rarhi, Brainware University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/141838

2025 - Volume 27 [Issue 9]

A Comparative Statistical Approach for Forecasting Maize Yield in India Using ARIMA Models
DOI: 10.9734/ajpas/2025/v27i9799

Reviewers:
(1) Chinye Samuel Mesike, Rubber Research Institute of Nigeria, Nigeria.
(2) Gnanasankaran Natarajan, Thiagarajar College, India.
(3) Remal Shaher Al-Gounmeein, Al-Hussein Bin Talal University, Jordan.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/142751

A Fractional Version of the Stochastic Alpha–Beta–Rho (SABR) Model within a Fast-varying Stochastic Environment (FVSE)
DOI: 10.9734/ajpas/2025/v27i9800

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(2) Janardan Behera, Ravenshaw University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/142993

Center of the n^{th} Dihedral Group and Centralizers of the Elements of the n^{th} Dihedral Group, D_n, where $3 \leq n \leq 20$, $n \in Z+$
DOI: 10.9734/ajpas/2025/v27i9801

Reviewers:
(1) D. Kalamani, Bharathiar University PG Extension and Resarch Centre, India.
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(3) Subham De, Indian Institute of Technology Delhi, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/141568

Modelling Causality among Selected Macroeconomic Variables in Nigeria
DOI: 10.9734/ajpas/2025/v27i9802

Reviewers:
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(2) ARIWA FLORENCE ONYINYE, MICHAEL OKPARA UNIVERSITY OF AGRICULTURE, NIGERIA.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/142602

Modified Regression-Cum-Exponential-Type Mean Imputation Schemes under Two-Stage Cluster Sampling
DOI: 10.9734/ajpas/2025/v27i9803

Reviewers:
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(2) Dasari Ratna Babu, PSCMR College of Engineering and Technology, India.
(3) Carlos Henrique Tognon, Federal University of Triangulo Mineiro, Brazil.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/143272

Viscosity Solutions of Stochastic HJB Equations for Utility Maximization in Fractional SABR Models
DOI: 10.9734/ajpas/2025/v27i9804

Reviewers:
(1) Yang Cao, Switzerland.
(2) B. Kamalapriya, M.O.P. Vaishnav College for Women, India.
(3) A.A.M.D. Amarasinghe, Sabaragamuwa University of Sri Lanka, Sri Lanka.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/143679

Nonparametric Estimation of Laplace Transform of the Ruin Probability from Empirical Data Using symmetric Kernel
DOI: 10.9734/ajpas/2025/v27i9805

Reviewers:
(1) Shruti Shukla, GOVT.V.Y.T. P G. Autonomous College, India.
(2) Payal Singh, Parul University, India.
(3) Jaydeep A. Pandya, Maharaja Krishnakumarsinhji Bhavnagar University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/143817

On an Extension Multifractional SABR Model for Pricing Variance and Volatility Swaps
DOI: 10.9734/ajpas/2025/v27i9806

Reviewers:
(1) Tijani, Waliu Adigun, Ladoke Akintola University of Technology, Nigeria.
(2) Mulualem Aychluh Gizaw, Samara University, Ethiopia.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/143826

A Comparative Analysis on the Impact of Household Size on Economic Prosperity in Developing Countries
DOI: 10.9734/ajpas/2025/v27i9807

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(2) G, Kalaiselvi, Pachaiyappa's College for Women Kanchipuram, India.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/143681

Canonical Correlation Analysis for Three Sets of Variables under Non-linearity and Skew-normally Distributed Conditions
DOI: 10.9734/ajpas/2025/v27i9808

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(2) Fausto Jarquin Zarate, Universidad Autonoma De La Ciudad De Mexico, Mexico.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/144932

Evaluating Ten Simple Regression Models against a New Model: A Comparative Performance Study
DOI: 10.9734/ajpas/2025/v27i10809

Reviewers:
(1) Micheal Vincent Abiodun, Nigeria.
(2) Dalia Sami Ali, University of Baghdad, Iraq.
(3) M John Basha, CSE, Jain (Deemed-to-be University), India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/144931

Advancing Robust Estimation in Simultaneous Equation Models: Application of New Techniques to the Klein Model I Dataset
DOI: 10.9734/ajpas/2025/v27i10810

Reviewers:
(1) Ishraga Mustafa Awad Allam, University of Khartoum, Sudan.
(2) Abdulmalik Mohammed, Nigeria.
(3) Hanan Abdel Kareem Abdel Latif Elsaied, Suez Canal University, Egypt.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/144973

A Comparison of Classical Non-Parametric and Bayesian Non-parametric Approaches in Grade Comparisons in a Tertiary Institution
DOI: 10.9734/ajpas/2025/v27i10811

Reviewers:
(1) Sanjay Kumar, K. L. University, India.
(2) R. Jayasree, Sri Krishna Arts and Science College, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/144621

Two-sample Calibrated Imputation in Surveys: A Methodological Framework for Secondary Data Analysis
DOI: 10.9734/ajpas/2025/v27i10812

Reviewers:
(1) Bhavani Sankar Panda, India.
(2) Nagham Ajeel Sultan, University of Mosul, Iraq.
(3) Nynalasetti Kondala Kameswara Rao, Sagi Rama Krishnam Raju Engineering College, India.
(4) Menakshi Pachori, Ambedkar University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/145355

Estimation and Inference of Two Population Means within the Context of a Post-stratified Sampling Framework
DOI: 10.9734/ajpas/2025/v27i10813

Reviewers:
(1) Nirupama Sahoo, Gangadhar Meher University, India.
(2) Adam Rabiu, National Open University of Nigeria, Nigeria.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/142838

Empirical Validation of Robust Estimators in Panel Data Models under Multicollinearity, Heteroscedasticity, and Autocorrelation
DOI: 10.9734/ajpas/2025/v27i10814

Reviewers:
(1) Sudhanshu Sekhar Tripathy, C.V Raman Global University Bhubaneswar Odisha, India.
(2) Rami Reddy Munnangi, Vasireddy Venkatadri International Technological University, India.
(3) Manisha Shantaram Patil, R C Patel Institute of Technology, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/145695

Modeling Risk Factors Associated with Snakebite Morbidity Using a Logit Binary Model in Chemalingot, Baringo County, Kenya
DOI: 10.9734/ajpas/2025/v27i10815

Reviewers:
(1) S. Manonmani., The T.N Dr.M.G. R Medical University, India.
(2) Christopher Raymond, Nigeria.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/135792

Comparison of Robust Methods for Multiple Linear Regression Models
DOI: 10.9734/ajpas/2025/v27i10816

Reviewers:
(1) K. Bharathi, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, India.
(2) Dasari Ratna Babu, PSCMR College of Engineering and Technology, India.
(3) S. Nagarani, Sri Ramakrishna Institute of Technology, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/145577

The nth Power of 2x2 Matrices Applications to Second-Order Linear Recurrences and Birth–Death Processes
DOI: 10.9734/ajpas/2025/v27i10818

Reviewers:
(1) Chellali Cherifa, Oran, Graduate School of Economics, Algeria.
(2) Tahir Naseem, Government Degree Collge Khanpur, Pakistan.
(3) Shamshad Husain, Shobhit Deemed University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/145232

Volatility and Risk Analysis of Sectoral NIFTY Index: An Empirical Analysis of Geometric Brownian Motion and Monte Carlo Simulation
DOI: 10.9734/ajpas/2025/v27i10819

Reviewers:
(1) Fidele Ngwane, University of South Carolina – Salkehatchie, USA.
(2) Abdolghader Baverdi, Islamic Azad University, Iran.
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Complete Peer Review History: https://pr.sdiarticle5.com/review-history/145579

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Causal Inference in the Bayesian Framework: Principles and Applications
DOI: 10.9734/ajpas/2025/v27i11821

Reviewers:
(1) Srivastav Budugutta, Columbia University, United State of America.
(2) V V Sivarama Raju, KLU Vadeswaram, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/146237

On Dual Hyperbolic Generalized Pierre Numbers
DOI: 10.9734/ajpas/2025/v27i11822

Reviewers:
(1) Daisi Israel Komolafe, Nigeria.
(2) Pemha Binyam Gabriel Cedric, University of Douala, Cameroon.
(3) Jonathan Gebechukwu Areji, University of Alabama at Birmingham, United States.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/145470

Interpretable Deep Learning-Based Cox Proportional Hazards Model with Uncertainty Quantification
DOI: 10.9734/ajpas/2025/v27i11823

Reviewers:
(1) Nour Saad Taher Ali ElZawawi, University of Hertfordshire – Global Academic Foundation, Egypt.
(2) L.P. Himali, Sabaragamuwa University of Sri Lanka, Sri Lanka.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/146350

A Comparative Deep Learning Methodology for Enhancing Activation Functions in Fraud Detection
DOI: 10.9734/ajpas/2025/v27i11824

Reviewers:
(1) Puja Gupta, Shri G.S. Institute of Technology & Science, India.
(2) Roshan Kumar Singh, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/147005

Assessing Nigeria's Resilience to Oil-price Volatility: Evidence from a Vector Autoregression of GDP Dynamics and Policy Buffers
DOI: 10.9734/ajpas/2025/v27i11825

Reviewers:
(1) Doaa Abd Khalil Elhertaniy, University of the Holy Quran and Taseel of Science, Sudan.
(2) V. Nirmala, Periyar University, India.

Complete Peer Review History: https://pr.sdiarticle5.com/review-history/145533

Optimization of Bioethanol Yield from Pineapple Peels Using Response Surface Methodology
DOI: 10.9734/ajpas/2025/v27i11826

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