

Department of Statistics and Informatics 2024

Published research by department faculty 2024

Name of sole researcher or first researcher	Names of co-researchers	Title of research	Year of publication	Full name of journal	ISSN of journal	Magazine category
Shayma Shakeeb Mohammed		A Survey On E- Payment Systems	2024	Iraqi journal of statistical sciences 1680_855x	ISSN:1680-855X	domestic
Talal Abd Al-Razaq Al-Hasso		ACOMARISON OF APPROXIMATE OPTIMAL STRATIFICATION WITH OTHER METHODS OF STRATIFICAION USING PROOPORTIONAL ALLOCATION	2024	Advance and Applications in Statistics 0972-3617	ISSN 0972-3617	Global
Muthanna Subhi Sulaiman		Bayesian Estimation of Power Law Function in Non-homogeneous Poisson Process Applied in Mosul Gas Power Plant – Iraq	2024	Iraqi Journal of Science 0067-2904	ISSN:1680-855X	domestic
Zakariya Yahya Algamal		Bias reduction of maximum likelihood estimation in exponentiated Teissier distribution.	2024	Frontiers in Applied Mathematics and Statistics 2297-4687	ISSN 2297-4687	domestic
Zakariya Yahya Algama		Bias Reduction of Maximum Likelihood Estimation in the Inverse Xgamma Distribution	2024	Contemporary Mathematics 2705-1064	ISSN 2705-1064	domestic
Hayfa Abdul Jawad Saieed	Mahasin Saleh Abdullah Safwan Nathem Rashed Manaf Hazim Ahmed	Construction of Bivariate Transmuted Frechet Distribution with its Properties	2024	Mathematics and Statistics 2332-2144	ISSN2332-2144	domestic
Raya Salim Mohammad		Estimating the Parameters of Mixture Gamma Distributions Using Maximum Likelihood	2024	Iraqi Journal of Statistical Sciences 1680-855x	ISSN:1680-855X	Domestic

Department of Statistics and Informatics 2024

		and Bayesian Method				
Omar Qusay Ashebly		Gene Selection and Cancer Type Prediction via Filtering and Weighted Regularized Logistic Regression	2024	Journal of System and Management Sciences 1816-6075		Scopes
Muthanna Subhi Sulaiman		Parameters Estimation of a Proposed Non-Homogeneous Poisson Process and Estimation of the Reliability Function Using the Gompertz Process: A Comparative Analysis of Artificially Intelligent and Traditional Methods	2024	Iraqi Journal for Computer Science and Mathematics 2788-7421	ISSN:1680-855X	Domestic
Ban Ghanim Omer Alani		Reliability Estimation of the Lomax Distribution under Ranked Set Sampling (RSS) With Application	2024	Iraqi Journal of Statistical Sciences 1680-855X	ISSN:1680-855X	Domestic
Osamah Basheer Shukur Alhannon	Muthanna Subhi Sulaiman	Using K-Nearest Neighbor and Random Forest Approaches for Classifying Solar Radiation	2024	Journal of Al-Rafidain University College For Sciences		domestic
Zinah Mudher ALbazzaz	Osamah Basheer Shukur Alhannon	Using LSTM Network Based on Logistic Regression Model for Classifying Solar Radiation Time Series	2024	Lecture Notes in Networks and Systems	ISSN 2367-3389 ISSN 2367-3370	Global
Heba Sulaiman Alhaffidh		اختيار المتغيرات في نموذج الانحدار اللوجستي باستخدام خوارزمية البراعات المضيفة المعدلة	2024	Iraqi Journal of Statistical Science 2664-2956	ISSN:1680-855X	Domestic
Naam Salem Fadhil		استخدام شبكة المدرك اعتماداً على الانحدار الذاتي لتصنيف بيانات التبخر	2024	Iraq Journal For Economic Sciences 1812-8742	ISSN:1680-855X	Domestic
Zakariya Yahya Algamal		Improved estimators in bell regression model with application	2024	Journal of Statistical Computation and Simulation 0094-9655		Global

Department of Statistics and Informatics 2024

Zakariya Yahya Algamal		Classification of Breast Cancer Histopathological Images using Adaptive Penalized Logistic Regression with Wilcoxon Rank Sum Test	2023	Electronic Journal of Applied Statistical Analysis 2070-5948	ISSN 0094-9655	Global
Zakariya Yahya Algamal		Improving golden jackel optimization algorithm: An application of chemical data classification	2024	Chemometrics and Intelligent Laboratory Systems 0169-7439	ISSN 0169-7439	Global
Bashar Abdul Aziz Al-Talib		Robust Weighted Least Squares Method using different schemes of M-estimators (RWLSM), A comparative Study	2024	Iraqi Journal of Statistical Sciences 2664-2956	ISSN:1680-855X	domestic
Mohammed Qasim Yahya Alawjar	Talal Abd Al-Razaq Al-Hasso	Using Coloring Method to assign the required tasks with application	2024	University ofKirkuk JournalForAdministrativeand EconomicScience		
Shayma Shakeeb Mohammed	Yassin Hekmat Ismail	A Survey On E- Payment Systems	2024	Iraqi Journal of Statistical Sciences	ISSN: 2664-2956	domestic
Hind Adel Ahmad	Hayfa Abdul Jawad Saieed	Bayesian Estimation of TLR distribution under Sq and E linex loss	2024	Iraqi Journal of Statistical Sciences	2664-2956	domestic
Muzahem Mohammed Al-Hashimi	Mohammed Qasim Yahya Alawjar	Trends in lung cancer incidence in Iraq during the period	2024	International Journal of Public Health Science	2620-4126	Global
Musa Muhammad Musa	Ban Ghanim Omer Alani	Estimation of Lomax Distribution Reliability Based on Double Ranked Set Sampling (With Application)	2024	مجلة كلية الرافدين الجامعة للعلوم	(1681-6870)	domestic
Musa Muhammad Musa	Ban Ghanim Omer Alani	Reliability Estimation of the Lomax Distribution under Ranked Set Sampling (RSS) With Application	2024	Iraqi Journal of Statistical Sciences	1680-855X	domestic
Hind Adel Ahmad	Hayfa Abdul Jawad Saieed	Bayesian Estimation of TLR distribution under Sq and E linex loss	2024	المجلة العراقية للعلوم الإحصائية	2641-2154	domestic
Rehab Talal Ahmed	Omar Salim Ibrahim	Modeling and analyzing banana prices in the city of Mosul using the ARFIMA model “Predictive Market Study”	2024	المجلة العراقية للعلوم الاحصائية	1680-855X	domestic
Ghada Al-Saqal	Dr. Muwaffaq Muhammad Tawfiq	A comparison of Approximate Optimal Stratification With Other Methods of Stratification Using Proportional	2024	Advances and Applications in Statistics	0972-3617	Global

Department of Statistics and Informatics 2024

	Talal Abd Al-Razaq Al-Hasso	Allocation				
Mohammed Qasim Yahya Alawjar	Talal Abd Al-Razaq Al-Hasso	Using Coloring Method to assign the required tasks with application	2024	مجلة جامعة كركوك للعلوم الادارية والاقتصادية	2222-2995	domestic
مدرسة حسين مخلف	Hayfa Abdul Jawad Saieed	Study Of Alpha Power Weibull Distribution With Application	2024	Iraqi Journal of Statistical Sciences	2664-2956	domestic
Zakariya Yahya Algamal	Alobaidi N.N.; Hamad A.A.; Alanaz M.M.; Mustafa M.Y.	Neutrosophic Beta-Lindley distribution: Mathematical properties and modeling bladder cancer data	2024	Frontiers in Applied Mathematics and Statistics	22974687	Global
Zakariya Yahya Algamal	Al-Thanoon N.A.; Qasim O.S.	Improving Meta-Heuristic Algorithms for Feature Selection in Multiclass Classification	2024	International Journal of Neutrosophic Science	26926148	Global
Zakariya Yahya Algamal	Seifollahi S.; Bevrani H.	Improved estimators in bell regression model with application	2024	Lecture Notes in Networks and Systems	23673370	Global
Zakariya Yahya Algamal	Qanbar A.A.	Improving Support vector machine for Imbalanced big data classification	2024	Journal of Statistical Computation and Simulation	949655	Global
Zakariya Yahya Algamal	Bulut Y.M.; Lukman A.F.; Işıl M.; Adewuyi E.T.	Modified ridge estimator in the Bell regression model	2024	Journal of Intelligent Systems and Internet of Things	2769786X	Global
Zakariya Yahya Algamal	Alangood H.N.A.;Khaleel M.A.	Variable selection in Poisson regression model based on chaotic meta-heuristic search algorithm	2024	Journal of Inverse and Ill-Posed Problems	9280219	Global
Zakariya Yahya Algamal	Alharthi A.M.; Al-Thanoon N.A.; Al-Fakih A.M.	QSAR modelling of enzyme inhibition toxicity of ionic liquid based on chaotic spotted hyena optimization algorithm	2024	BIO Web of Conferences	22731709	Global
Zakariya Yahya Algamal	Salih A.M.; Khaleel M.A.	A New Ridge-Type Estimator for the Gamma regression model	2024	SAR and QSAR in Environmental Research	1062936X	Global
Zakariya Yahya Algamal	Ismael O.M.; Qasim O.S.	IMPROVING PARAMETERS OF V-SUPPORT VECTOR REGRESSION WITH FEATURE SELECTION IN PARALLEL BY USING QUASI-OPPOSITIONAL AND HARRIS HAWKS OPTIMIZATION ALGORITHM;	2024	Iraqi Journal for Computer Science and Mathematics	27887421	domestic

Department of Statistics and Informatics 2024

Zakariya Yahya Algamal	Alharthi A.M.; Kadir D.H.; Al-Fakih A.M.; Al-Thanoon N.A.; Qasim M.K.	Improving golden jackel optimization algorithm: An application of chemical data classification	2024	Informatyka, Automatyka, Pomiary w Gospodarce i Ochronie Srodowiska	20830157	Global
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