

CURRICULUM VITAE

PERSONAL DATA

Name	Asmaa Soliman Abdullah AlMoisheer
Nationality	Saudi
Position	Professor
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EDUCATION

Year	Academic Degree	Institution
2012	Ph.D. (Statistics)	King Saud University
2006	M.Sc. (Statistics)	King Saud University
2001	Bachelor Degree in (Mathematics)	Jouf University

WORK EXPERIENCE

Period	Position	Address
From 03/03/1442 to 03/03/1450	The Shura Council—Member	Riyadh, Saudi Arabia
From 16/06/1439 to 02/03/1442	Vice Rector for female Students affair, Jouf University	Aljouf, Saudi Arabia
From 18/04/1438 to 18/04/1439	Supervisor of the academic chair of her highness Princess Sara bint Abdullah bin Abdul Aziz Al-Saud on the challenges facing women in Al-jouf	Aljouf, Saudi Arabia

RESEARCH INTERESTS

Mathematical Statistics – Statistical Inference – Computational Statistics – Statistical Computing.

PUBLICATIONS

- 1- Multi-View Soft Attention-Based Model for the Classification of Lung Cancer-Associated Disabilities. *Diagnostics* 2024, 14(20), 2282; <https://doi.org/10.3390/diagnostics14202282>
- 2- Epidemiological modeling of COVID-19 data with Advanced statistical inference based on Type-II progressive censoring. *Heliyon* 10 (2024) e36774. <https://doi.org/10.1016/j.heliyon.2024.e36774>.
- 3- Bayesian and Non-Bayesian Analysis for the Sine Generalized Linear Exponential Model under Progressive Censored Data with Simulation and Applications, CMES - Computer Modeling in Engineering and Sciences, Volume 140, Issue 3, 2024, Pages 2795-2823. <https://doi.org/10.32604/cmcs.2024.049188>.
- 4- Bivariate step-stress accelerated life test for a new three-parameter model under progressive censored schemes with application in medical. *AIMS Mathematics*, 2024, Volume 9, Issue 2: 3521-3558. [doi: 10.3934/math.2024173](https://doi.org/10.3934/math.2024173).
- 5- Bayesian and Non-Bayesian Estimation for a New Extension of Power Topp–Leone Distribution under Ranked Set Sampling with Applications. *Axioms* 2023, 12(8), 722; <https://doi.org/10.3390/axioms12080722>.
- 6- Half Logistic Inverted Nadarajah–Haghighi Distribution under Ranked Set Sampling with Applications. *Mathematics* 2023, 11(7), <https://doi.org/10.3390/math11071693>.
- 7- Statistical Inference for the Kavya–Manoharan Kumaraswamy Model under Ranked Set Sampling with Applications. *Symmetry* 2023, 15(3), 587; <https://doi.org/10.3390/sym15030587>.
- 8- Acceptance Sampling Plans for Truncated Lifetime Tests under Two-Parameter Pranav Distribution. *Italian Journal of Pure and Applied Mathematics*. N(49)–2023 (669–686). https://ijpam.uniud.it/journal/onl_2023-49.htm.
- 9- Bivariate Step-Stress Accelerated Life Tests for the Kavya–Manoharan Exponentiated Weibull Model under Progressive Censoring with Applications. *Symmetry* 2022, 14(9), 1791; <https://doi.org/10.3390/sym14091791>.
- 10- Inference for a Kavya–Manoharan Inverse Length Biased Exponential Distribution under Progressive-Stress Model Based on Progressive Type-II Censoring. *Entropy* 2022, 24(8), 1033; <https://doi.org/10.3390/e24081033>.
- 11- Truncated Cauchy Power Weibull -G Class of Distributions: Bayesian and Non Bayesian Inference, Modelling to COVID-19 and Carbon Fiber Data. *Mathematics*, 2022, 10, 1565. <https://doi.org/10.3390/math10091565>.
- 12- A new extension of inverse power Ailamujia distribution with application . *Advances and Applications in Statistics*. Volume 76, 2022, Pages 1-22. <http://dx.doi.org/10.17654/0972361722033>.
- 13- Estimation of distribution function using L ranked set sampling and robust extreme ranked set sampling with application to reliability. *Computational Statistics*. 37, pages2333–2362 (2022). <https://doi.org/10.1007/s00180-022-01201-y>.
- 14- Estimation Estimating and updating a linear discriminant function from the mixture of two one-parameter lindley Distributions. *Electronic Journal of Applied Statistical Analysis*. Vol. 15, Issue 02, June 2022, 318-334. [DOI: 10.1285/i20705948v15n2p318](https://doi.org/10.1285/i20705948v15n2p318).
- 15- Mixture of Lindley and Lognormal Distributions: Properties, Estimation and Application. *Journal of Function Spaces*. Volume 2021, Article ID 9358496, 12 pages , <https://doi.org/10.1155/2021/9358496>.
- 16- Odd Inverse Power Generalized Weibull Generated Family of Distributions: Properties and

- Applications. *Mathematical Problems in Engineering*, Volume 2021, Article ID 5082192, 17 pages. <https://doi.org/10.1155/2021/5082192>.
- 17- Sequential Test for a Mixture of Finite Exponential Distribution," *Journal of Mathematics*, vol. 2021, Article ID 6625853, 10 pages, 2021. <https://doi.org/10.1155/2021/6625853>.
 - 18- Mixture of two one-parameter lindley distributions: properties and estimation. *Journal of Statistical Theory and Practice*, volume 15, Article number: 11 (2021). <https://doi.org/10.1007/s42519-020-00133-4>.
 - 19- Mixture of lindley and weibull distributions: properties and estimation. *Journal of Statistics Applications & Probability*. V. 10, N. 2, 301-313. 2021. [doi:10.18576/jsap/100203](https://doi.org/10.18576/jsap/100203).
 - 20- Mixture of Lindley and Inverse Weibull Distributions: Properties and Estimation. *WSEAS Transactions on Mathematics* ISSN: 1109-2769, E-ISSN: 2224-2880, Volume 20, 2021. [doi: 10.37394/23206.2021.20.14](https://doi.org/10.37394/23206.2021.20.14).
 - 21- Bivariate Mixture of Inverse Weibull Distribution: Properties and Estimation. *Mathematical Problems in Engineering*, Volume 2020 , Article ID 5234601 , 12 pages . <https://doi.org/10.1155/2020/5234601>.
 - 22- Homogeneity Tests for Burr III mixture model. *J. Comput. Theor. Nanosci.* Vol. 15 (8), 2515–2520 (2018).
 - 23- A Mixture Of Inverse Weibull And Inverse Burr Distributions: Properties, Estimation And Fitting. Volume 2017 (2017), Article ID 7824323, 11 pages, <https://doi.org/10.1155/2017/7824323>.
 - 24- The asymptotic relative efficiency of a nonlinear discriminant function from a mixture of two inverse Weibull distributions ", *Journal of Computational and Theoretical Nanoscienc*, Vol. 14(2), 1214 – 1221. <https://doi.org/10.1166/jctn.2017.6432>.
 - 25- Estimation of a discriminant function from a mixture of two Burr Type III distributions, *Communications in Statistics - Simulation and Computation*, 45, 3760-3775. [http://dx.doi.org/10.1080/03610918.2014.955109](https://dx.doi.org/10.1080/03610918.2014.955109).
 - 26- Updating a nonlinear discriminant function estimated from a mixture of two Burr Type III distributions, *Journal of Applied Statistics*, Vol. 44, No. 15, 2685–2696 , DOI: 10.1080/02664763.2016.1261088. <http://dx.doi.org/10.1080/02664763.2016.1261088>.
 - 27- A Mixture of two Burr Type III Distributions: Identifiability and Estimation under Type II Censoring, *Mathematical Problems in Engineering*, Article ID 7035279, 12 pages , <http://dx.doi.org/10.1155/2016/7035279>.
 - 28- Mixture of inverse Weibull and lognormal distributions: properties, estimation and illustration, *Mathematical problems in Engineering*, <http://dx.doi.org/10.1155/2015/526786>.
 - 29- Estimation of a discriminant function from a mixture of two inverse Weibull distributions, *Journal of Statistical Computation and Simulation*, 83(3), 405-416. <http://dx.doi.org/10.1080/00949655.2011.614245>.
 - 30- Updating a nonlinear discriminant function estimated from a mixture of two inverse Weibull distributions, *Statistical Papers*, 54, 163-175. <https://doi.org/10.1007/s00362-011-0416-z>.
 - 31- Approximate Bayes estimation of the parameters and reliability function of a mixture of two inverse Weibull distributions under Type-II censoring, *J. Statist. Comput. Simul.*, 83(10), 1900-1914. <http://dx.doi.org/10.1080/00949655.2012.673614>.
 - 32- Testing the number of components of the mixture two inverse Weibull distributions, *International Journal of Computer Mathematics*, 86(4), 693-702. <http://dx.doi.org/10.1080/00207160701690425>.
 - 33- Mixture of two inverse Weibull distributions: Properties and Estimation, *Computational Statistics and Data Analysis*, 51, 5377-5387. <https://doi.org/10.1016/j.csda.2006.09.016>.