

CURRICULUM VITAE

PERSONAL DATA

Name	NAIF MOHAMMED AYEDH ALOTAIBI
Nationality	SAUDI
Position	Dean of the College of Sciences
E-Mail	NMAALOTAIBI@IMAMU.EDU.SA
Phone	+966504171026

EDUCATION

Year	Academic Degree	Institution
2018	PhD in Mathematics and Statistics	University of Salford in UK
2009	Masters of Science in Statistics	King Saud University in SA
2003	Bachelor of Mathematics	Teachers College - King Saud University in SA

WORK EXPERIENCE

Period	Position	Address
From 23/12/1441H Until now	Dean	College of Sciences - Imam Mohammad Ibn Saud Islamic University
From 08/02/1440H to 23/12/1441H	Vice Dean of the College of Science for Educational Affairs	College of Sciences - Imam Mohammad Ibn Saud Islamic University
From 29/02/1440H to 08/04/1441H	General Supervisor of the Studies and Information Center	Imam Mohammad Ibn Saud Islamic University
From 28/08/1443H Until now	Associate Professor in the Department of Mathematics and Statistics	College of Sciences - Imam Mohammad Ibn Saud Islamic University
From 1439H to 1443H	Assistant Professor in the Department of Mathematics and Statistics	College of Sciences - Imam Mohammad Ibn Saud Islamic University
From 1431H to 1439H	Lecturer in the Department of Mathematics and Statistics	College of Sciences - Imam Mohammad Ibn Saud Islamic University
From 1429H to 1431H	Lecturer in Mathematics Department	Teachers College - Riyadh
From 1424H to 1429H	Assistant Teacher in Mathematics Department	Teachers College - Riyadh

RESEARCH INTERESTS

Mathematical Statistics

Applied Statistics

Reliability Theory

PUBLICATIONS

1. Abdallah, M. S., Al-Omari, A. I., Alotaibi, N., Alomani, G. A., & Al-Moisheer, A. S. (2022). Estimation of distribution function using L ranked set sampling and robust extreme ranked set sampling with application to reliability. *Computational Statistics*, 1-30.
2. Alyami, S. A., Elbatal, I., Alotaibi, N., Almetwally, E. M., Okasha, H. M., & Elgarhy, M. (2022). Topp–Leone Modified Weibull Model: Theory and Applications to Medical and Engineering Data. *Applied Sciences*, 12(20), 10431.
3. Alotaibi, N., Elbatal, I., Almetwally, E. M., Alyami, S. A., Al-Moisheer, A. S., & Elgarhy, M. (2022). Bivariate step-stress accelerated life tests for the Kavya–Manoharan exponentiated Weibull model under progressive censoring with applications. *Symmetry*, 14(9), 1791.
4. Alyami, S. A., Elgarhy, M., Elbatal, I., Almetwally, E. M., Alotaibi, N., & El-Saeed, A. R. (2022). Fréchet Binomial Distribution: Statistical Properties, Acceptance Sampling Plan, Statistical Inference and Applications to Lifetime Data. *Axioms*, 11(8), 389.
5. Alotaibi, N., Hashem, A. F., Elbatal, I., Alyami, S. A., Al-Moisheer, A. S., & Elgarhy, M. (2022). Inference for a Kavya–Manoharan Inverse Length Biased Exponential Distribution under Progressive-Stress Model Based on Progressive Type-II Censoring. *Entropy*, 24(8), 1033.
6. Elbatal, I., Khan, S., Hussain, T., Elgarhy, M., Alotaibi, N., Semary, H. E., & Abdelwahab, M. M. (2022). A New Family of Lifetime Models: Theoretical Developments with Applications in Biomedical and Environmental Data. *Axioms*, 11(8), 361.
7. Alyami, S. A., Elbatal, I., Alotaibi, N., Almetwally, E. M., & Elgarhy, M. (2022). Modeling to Factor Productivity of the United Kingdom Food Chain: Using a New Lifetime-Generated Family of Distributions. *Sustainability*, 14(14), 8942.
8. Al-Dayel, I., Alshahrani, M. N., Elbatal, I., Alotaibi, N., Shawki, A. W., & Elgarhy, M. (2022). Statistical Analysis of COVID-19 Data for Three Different Regions in the Kingdom of Saudi Arabia: Using a New Two-Parameter Statistical Model. *Computational and Mathematical Methods in Medicine*, 2022.
9. Alyami, S. A., Babu, M. G., Elbatal, I., Alotaibi, N., & Elgarhy, M. (2022). Type II Half-Logistic Odd Fréchet Class of Distributions: Statistical Theory and Applications. *Symmetry*, 14(6), 1222.
10. Alotaibi, N., Elbatal, I., Almetwally, E. M., Alyami, S. A., Al-Moisheer, A. S., & Elgarhy, M. (2022). Truncated Cauchy power Weibull-G class of distributions: Bayesian and non-Bayesian inference modelling for COVID-19 and carbon fiber data. *Mathematics*, 10(9), 1565.
11. Shafiq, A., Sindhu, T. N., & Alotaibi, N. (2022). A novel extended model with versatile shaped failure rate: Statistical inference with Covid-19 applications. *Results in Physics*, 105398.
12. Elbatal, I., Alotaibi, N., Almetwally, E. M., Alyami, S. A., & Elgarhy, M. (2022). On Odd Perks-G Class of Distributions: Properties, Regression Model, Discretization, Bayesian and Non-Bayesian Estimation, and Applications. *Symmetry*, 14(5), 883.
13. Elbatal, I., Alotaibi, N., Alyami, S. A., Elgarhy, M., & El-Saeed, A. R. (2022). Bayesian and non-Bayesian estimation of the Nadarajah–Haghighi distribution: using progressive Type-1 censoring scheme. *Mathematics*, 10(5), 760.
14. Sindhu, T. N., Hussain, Z., Alotaibi, N., & Muhammad, T. (2022). Estimation method of mixture distribution and modeling of COVID-19 pandemic. *AIMS Mathematics*, 7(6), 9926-9956.
15. Alotaibi, N., Elbatal, I., Malyk, I. V., & Elgarhy, M. (2022). A NEW COMPOUND LIFETIME MODEL WITH MEDICAL APPLICATIONS.
16. Scarf, P., Khare, A., & Alotaibi, N. (2022). On skill and chance in sport. *IMA Journal of Management Mathematics*, 33(1), 53-73.
17. Al-Omari, A. I., Hassan, A. S., Alotaibi, N., Shrahili, M., & Nagy, H. F. (2021). Reliability Estimation of Inverse Lomax Distribution Using Extreme Ranked Set Sampling. *Advances in Mathematical Physics*, 2021.
18. Elbatal, I., & Alotaibi, N. (2021). Modelling to Engineering Data Using a New Class of Continuous Models. *Journal of Function Spaces*, 2021.
19. Shrahili, M., Al-Omari, A. I., & Alotaibi, N. (2021). Acceptance Sampling Plans from Life Tests Based on Percentiles of New Weibull–Pareto

- Distribution with Application to Breaking Stress of Carbon Fibers Data. *Processes*, 9(11), 2041.
20. Alotaibi, N. (2021). Statistical and deterministic analysis of covid-19 spread in Saudi Arabia. *Results in Physics*, 28, 104578.
 21. Shaukat, M. H., Alotaibi, N., Hussain, I., & Shrahili, M. (2021). The Analysis of the Incidence Rate of the COVID-19 Pandemic Based on Segmented Regression for Kuwait and Saudi Arabia. *Mathematical Problems in Engineering*, 2021.
 22. Alotaibi, N. (2021). A new lifetime distribution: properties, copulas, applications, and different classical estimation methods. *Complexity*, 2021.
 23. Benchiha, S., Al-Omari, A. I., Alotaibi, N., & Shrahili, M. (2021). Weighted generalized quasi lindley distribution: Different methods of estimation, applications for covid-19 and engineering data. *AIMS Math*, 6, 11850-11878.
 24. Shrahili, M., Alotaibi, N., Kumar, D., & Alyami, S. A. (2020). Inference for the two-parameter reduced Kies distribution under progressive type-II censoring. *Mathematics*, 8(11), 1997.
 25. Alotaibi, N. M., Cavalcante, C. A. V., Lopes, R. S., & Scarf, P. A. (2020). Preventive replacement with defaulting. *IMA Journal of Management Mathematics*, 31(4), 491-504.
 26. Shrahili, M., Alotaibi, N., Kumar, D., & Shafay, A. R. (2020). Inference on exponentiated power Lindley distribution based on order statistics with application. *Complexity*, 2020.
 27. Shrahili, M., & Alotaibi, N. (2020). A New Parametric Life Family of Distributions: Properties, Copula and Modeling Failure and Service Times. *Symmetry*, 12(9), 1462.
 28. Alotaibi, N., & Malyk, I. V. (2020). A Generalization of Binomial Exponential-2 Distribution: Copula, Properties and Applications. *Symmetry*, 12(8), 1338.
 29. Nafisah, I., Shrahili, M., Alotaibi, N., & Scarf, P. (2019). Virtual series-system models of imperfect repair. *Reliability Engineering & System Safety*, 188, 604-613.
 30. Scarf, P., Shrahili, M., Alotaibi, N., Jobson, S., & Passfield, L. (2019). Modelling the effect of training on performance in road cycling: estimation of the Banister model parameters using field data. *arXiv preprint arXiv:1902.02061*.
 31. Alotaibi, N. M. (2017). Statistical modelling of training and performance using power output and heart rate data collected in the field. University of Salford (United Kingdom).