

CURRICULUM VITAE

PERSONAL DATA

Name	Ahmed El-Saeed Abdel-Hameed Saleh
Nationality	Egyptian
Position	Assistant Professor of Statistics, Department of Mathematics and Statistics, Faculty of Science, Imam Mohammad Ibn Saud Islamic University (IMSIU), Riyadh, Saudi Arabia
E-Mail	aeSaleh@imamu.edu.sa
Phone	+966 543594122

EDUCATION

Year	Academic Degree	Institution
May 2010	B.A. of Commerce	Department of Statistics and Insurance, Zagazig University, Egypt
January 2015	M.Sc. In Statistics	Department of Mathematical Statistics, Institute of Statistical Studies and Research, Cairo University, Egypt
February 2020	PhD in Statistics	Department of Mathematical Statistics, The Faculty of Graduate Studies for Statistical Research, Cairo University, Egypt

WORK EXPERIENCE

Period	Position	Address
28 January 2023 until Now	Assistant Professor of Statistics	Department of Mathematics and Statistics, Faculty of Science, Imam Mohammad Ibn Saud Islamic University (IMSIU), Riyadh, Saudi Arabia
21 October 2020 31 December 2023	Lecturer of Statistics	Department of Basic Sciences, Al-Obour High Institute for Management and Informatics, Cairo, Egypt
31 January 2016 to 20 October	Assistant lecturer of Statistics	Department of Basic Sciences, Al-Obour High Institute for Management and Informatics,

2020		Cairo, Egypt
2 April 2012 to 30 January 2016	Demonstrator of Statistics	Department of Basic Sciences, Al-Obour High Institute for Management and Informatics, Cairo, Egypt

RESEARCH INTERESTS

- Maximum Likelihood Inference by R Programming
- Bayesian Inference by R Programming.
- Statistical Analysis by R Programming
- Life Testing Sampling Plans
- Progressive Censoring Schemes
- Quality Control Analysis
- Optimization and Modelling
- Biostatistics and Data Mining

PUBLICATIONS

- Statistical modeling of disability: Using a new extended Topp Leone inverse exponential model**
Journal of Radiation Research and Applied Sciences
2025-3-30| Journal Article
DOI: <https://doi.org/10.1016/j.jrras.2025.101447>
Ahmed R. El-Saeed, Badr Aloraini, and Safar M. Alghamdi
- Estimation and Bayesian Prediction for New Version of Xgamma Distribution Under Progressive Type-II Censoring**
Symmetry
2025-3-18| Journal Article
DOI: <https://doi.org/10.3390/sym17030457>
Ahmed R. El-Saeed, Molay Kumar Ruidas, and Ahlam H. Tolba
- Statistical properties of the Odd Lomax Burr Type X distribution with applications to failure rate and radiation data**
Journal of Radiation Research and Applied Sciences
2025-3-17| Journal Article
DOI: <https://doi.org/10.1016/j.jrras.2025.101421>
Ahmed R. El-Saeed, Nooruldeen A. Noori, Mundher A. Khaleel, Safar M. Alghamdi
- Robust estimator for estimation of population mean under PPS sampling: Application to radiation data**
Journal of Radiation Research and Applied Sciences
2025-3-5| Journal Article
DOI: <https://doi.org/10.1016/j.jrras.2025.101384>
Ahmed R. El-Saeed, Sohaib Ahmad, and Badr Aloraini

5. **Bayesian and non-bayesian analysis for stress-strength model based on progressively first failure censoring with applications**
PloS ONE
2024-12-20 | Journal Article
DOI: <https://doi.org/10.1371/journal.pone.0312937>
Salem A. Alyami¹, Amal S. Hassan, Ibrahim Elbatal¹, Olayan Albalawi, Mohammed Elgarhy, **Ahmed R. El-Saeed**
6. **On Algorithms and Approximations for Progressively Type-I Censoring Schemes**
Statistical Analysis and Data Mining
2024-12-7 | Journal Article
DOI: <https://doi.org/10.1002/sam.11717>
Ahmed R. El-Saeed and Ehab M. Almetwally
7. **Analysis of progressive Type-II censoring schemes for generalized power unit half-logistic geometric distribution**
AIMS Mathematics
2023-11-15 | Journal article
DOI: <http://doi.org/10.3934/math.20231577>
Ahmed R. El-Saeed, Ahmed T. Ramadan, Najwan Alsadat, Hanan Alohal, Ahlam H. Tolba.
8. **Stress–Strength Reliability Analysis for Different Distributions Using Progressive Type-II Censoring with Binomial Removal**
Axioms
2023-11-15 | Journal article
DOI: <http://doi.org/10.3390/axioms12111054>
Elbatal, Ibrahim, Amal S. Hassan, L. S. Diab, Anis Ben Ghorbal, Mohammed Elgarhy, and **Ahmed R. El-Saeed**.
9. **Statistical Inference of Marshall-Olkin Extended Exponential Distribution Based on Progressively Type-I Censored Data.**
Applied Mathematics & Information Sciences
2023-11-1 | Journal article
DOI: <http://doi.org/10.18576/amis/170611>
Manal H. Alabdulhadi; **Ahmed R. El-Saeed**; Mohammed Elgarhy; Abd El-Hamid Eisa; Doaa A. Abdo
10. **A New Distribution for Modeling Data with Increasing Hazard Rate: A Case of COVID-19 Pandemic and Vinyl Chloride Data**
Sustainability
2023-08-23 | Journal article
DOI: <http://doi.org/10.3390/su151712782>
Ahlam H. Tolba, Chrisogonus K. Onyekwere , **Ahmed R. El-Saeed** , Najwan Alsadat, Hanan Alohal and Okechukwu J. Obulezi

- 11. A Class of Power Inverted Topp-Leone Distribution: Properties, Different Estimation Methods & Applications.**
Journal of Radiation Research and Applied Sciences
2023-07-31 | Journal article
DOI: <https://doi.org/10.1016/j.jrras.2023.100643>
Ahmed R. El-Saeed, Amal S. Hassan, Neema M. Elharoun, Aned Al Mutairi, Rana H. Khashab, Said G. Nassr
- 12. Sampling Plan for the Kavya–Manoharan Generalized Inverted Kumaraswamy Distribution with Statistical Inference and Applications**
Axioms
2023-07-27 | Journal article
DOI: <http://doi.org/10.3390/axioms12080739>
Najwan Alsadat; Amal S. Hassan; Mohammed Elgarhy; Christophe Chesneau; **Ahmed R. El-Saeed**
- 13. Optimal sampling and statistical inferences for Kumaraswamy distribution under progressive Type-II censoring schemes**
Scientific Reports
2023-07-26 | Journal article
DOI: <http://doi.org/10.1038/s41598-023-38594-9>
Osama E. Abo-Kasem; **Ahmed R. El Saeed**; Amira I. El Sayed
- 14. Bayesian and non-Bayesian estimation of dynamic cumulative residual Tsallis entropy for moment exponential distribution under progressive censored type II**
Open Physics
2023-07-18 | Journal article
DOI: <http://doi.org/10.1515/phys-2022-0264>
Ahmed R. El-Saeed; Salem A. Alyami; Amal S. Hassan; Ibrahim Elbatal; Mohammed Elgarhy
- 15. Maximum Product Spacings for the Kumaraswamy Distributions Based on Progressive Type-II Censoring Schemes**
مجلة البحوث التجارية – كلية التجارة جامعة الزقازيق
2023-6-13 | Journal article
DOI: [10.21608/ZCOM.2023.208023.1243](https://doi.org/10.21608/ZCOM.2023.208023.1243)
Osama E. Abo-Kasem; **Ahmed R. El Saeed**; Amira I. El Sayed
- 16. Exponentiated Kavya-Manoharan Burr X Distribution: Estimation under Censored Type II with Applications in Medical Data**
JP Journal of Biostatistics
2023-06-08 | Journal article
DOI: <http://doi.org/10.17654/0973514323013>
Ibrahim Elbatal; Safar M. Alghamdi; Anis BEN Ghorbal; A. W. Shawki; Mohammed Elgarhy; **Ahmed R. El-Saeed**

17. Statistical Inference of the Beta Binomial Exponential 2 Distribution with Application to Environmental Data

Axioms

2022-12-17 | Journal-article

DOI: <http://doi.org/10.3390/axioms11120740>

Osama H. Mahmoud Hassan; Ibrahim Elbatal; Abdullah H. Al-Nefaie; **Ahmed R. El-Saeed**

18. Acceptance Sampling Plans for Three-Parameter Inverted Topp- Leone Model

Mathematical Biosciences and Engineering (AIMS Press)

2022-09-16 | Journal-article

DOI: <http://doi.org/10.3934/mbe.2022636>

Said, G. Nassr; Amal S. Hassan; Rehab Alsultan; **Ahmed R. El-Saeed**

19. Fréchet Binomial Distribution: Statistical Properties, Acceptance Sampling Plan, Statistical Inference and Applications to Lifetime Data.

Axioms

2022-08-08 | Journal-article

DOI: <https://doi.org/10.3390/axioms11080389>

Salem A. Alyami; Mohammed Elgarhy; Ibrahim Elbatal; Ehab M. Almetwally; Naif Alotaibi; **Ahmed R. El-Saeed**

20. Estimation of Entropy for Log-Logistic Distribution under Progressive Type II Censoring.

Journal of Nanomaterials

2022-03-23 | Journal-article

DOI: <https://doi.org/10.1155/2022/2739606>

M. Shrahili; **Ahmed R. El-Saeed**; Amal S. Hassan; Ibrahim Elbatal; Mohammed Elgarhy

21. Bayesian and Non-Bayesian Estimation of the Nadarajah-Haghighi Distribution: Using Progressive Type-1 Censoring Scheme.

Mathematics

2022-02-27 | Journal-article

DOI: <https://doi.org/10.3390/math10050760>

Ibrahim Elbatal; Naif Alotaibi; Salem A. Alyami; Mohammed Elgarhy; **Ahmed R. El-Saeed**

22. Power Inverted Topp-Leone in Acceptance Sampling Plans.

Computers, Materials & Continua

2021-01-12 | Journal-article

DOI: <https://doi.org/10.32604/cmc.2021.014620>

Abushal, T. A.; Hassan, A. S.; **El-Saeed, A.R.**; Nassr, S. G.

23. Classical and Bayesian Estimation of the Inverse Weibull Distribution: Using Progressive Type-I Censoring Scheme.

Advances in Civil Engineering

2021-12-29 | Journal-article

DOI: <https://doi.org/10.1155/2021/5701529>

Ali Algarni; Mohammed Elgarhy; Abdullah M Almarashi; Aisha Fayomi; **Ahmed R. El-Saeed**

24. Estimation of Parameters of the GIE Distribution Under Progressive Type-I Censoring.

Journal of Statistical Theory and Applications

2021 | Journal-article

DOI: <https://doi.org/10.2991/jsta.d.210510.001>

Mahmoud, M.R.; Muhammed, H.Z.; **El-Saeed, A.R.**; Abdellatif, A.D.

25. Inference for generalized inverted exponential distribution under progressive Type-I censoring scheme in presence of competing risks model.

Sankhya A: The Indian Journal of Statistics.

2021-01-06 | Journal-article

DOI: <https://doi.org/10.1007/s13171-020-00227-y>

Mahmoud, M.R.; Muhammed, H.Z.; **El-Saeed, A.R.**

26. Analysis of progressively Type-I censored data in competing risks models with generalized inverted exponential distribution.

Journal of Statistics Applications & Probability

2020-03-01 | Journal-article

DOI: <http://dx.doi.org/10.18576/jsap/090110>

Mahmoud, M.R.; Muhammed, H.Z.; **El-Saeed, A.R.**

27. Estimation of parameters of generalized inverted exponential distribution under progressive Type-I censoring.

In Proceeding of the 53rd Annual Conference on Statistics, Computer Sciences and Operations Research, Faculty of Graduate Studies for Statistical Research, Cairo University.

2018-12-03 | Conference Paper

Mahmoud, M.R.; Muhammed, H.Z.; **El-Saeed, A.R.**