

Nasser Amin Abo - Elheggag

Curriculum Vitae



Personal Data

Full Name **Nasser Amin Abo - Elheggag**
Nationality Egyptian
Address Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt
Date of Birth 15 Feb. 1962
Mobiles +201112557513
Email nasseramin62@hotmail.com
major specialization **Mathematical Statistics**
Current position **Emeritus Assistant Professor**
Homepage [Please Click Here](#)
Scopus [Please Click Here](#)
Research Gate [Please Click Here](#)

Research Interest

Mathematical Statistics, Probability, Prediction, Estimation, Computer Science, simulation Study, order Statistics, Record, Random sample size, Bayesian Statistics, Computational Statistics, and Artificial Intelligence.

Scopus Information's

| Scopus ID | No. of articles in Scopus | Citations in Scopus | h-index in Scopus |
|-------------|---------------------------|---------------------|-------------------|
| 54896363000 | 11 | 212 | 7 |

Work Experience

2013 to date Emeritus Assistant Prof. at Mathematics Department, Faculty of Science, Sohag University, sohag , Egypt.

- 1999-2012 Assistant Prof. at Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt
- 1995-1998 Lecturer of Mathematics in South Valley University
- 1992-1995 Assistant Lecturer of Mathematics in South Valley University.
- 1986-1992 Instructor of Mathematics in Assiut University, Egypt.

Teaching (Undergraduate Courses)

General Statistics - Biostatistics - Mathematical Statistics - Probability Theory - Ordinary Differential Equations - Ordinary and Advanced Calculus - General Algebra - Abstract Algebra - Linear Algebra - Complex Variable - Real Analysis - Finite Mathematics.

Teaching (Graduate Courses)

Probability theory - Statistical inference (1) - Statistical inference (2) - Multiple analysis - Statistical estimation methods - Hypothesis testing theory - Bayesian methods in statistical estimation - Bayesian methods in statistical predictions.

Master Thesis

Title *The use of orthogonal polynomials in estimating prior distributions.*

Supervisors Prof. Essam K. AL-Hussaini Professor of Mathematical Statistics, Dr. Mohamed A. Mousa Assistant Professor of Mathematical Statistic.

Ph. D. Thesis

Title *Estimation of the parameters of some distributions from the exponential family: classical, bayesian estimates, and estimates based on hazard rates.*

Supervisors Prof. Dr. Ahmed H. El-Mawaziny , Dr. Ahmed A. Soliman

Publications

1. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Essam A. Ahmed, Simulation Based Approach to the Parameter Estimation for a Modified Weibull Distribution Based on Progressive Censoring Data, International. Conference of Mathematics and Information Security (ICMIS), 13-15 Nov. 2009.
2. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and G. A. Abd -Elmougod, Estimation for the Parameters of Gompertz Distribution under Progressive First – Failure Censoring Data, International. Conference of Mathematics and Information Security (ICMIS) , 13-15 Nov. 2009.
3. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and A. A., Modhesh, Estimation from Burr type –XII Distribution Based on Progressive First – Failure Censoring Data, International. Conference of Mathematics and Information Security (ICMIS) 3-15 Nov. 2009.
4. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Rashad M. El-Sageer, Estimation for the Burr type –X Model under Progressive Censored with Binomial Removals , International. Conference of Mathematics and Information Security (ICMIS).13- 15 Nov. 2009.
5. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Al- Wageh A. Farghal, Likelihood and Bayesian Estimation of $P(x|y)$ using k-upper Record Value from Rayleigh Distribution Data, International Conference of Mathematics and Information Security (ICMIS) , 13-15 Nov. 2009.

6. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Essam A. Ahmed, Estimation of Parameter of Weibull Distribution Based on Progressively Censored Risks Data with Binomial Removals, The first Conference of Young Researchers Sohag University , 8 May 2010.
7. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and G. A. Abd -Elmougod, Bayesian Inference for the Gompertz Distribution under Progressive First – Failure Censoring, The first Conference of Young Researchers Sohag University , 8 May 2010.
8. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and A. A., Modhesh, Bayesian Inference and Life testing Plane for the Burr type –XII Distribution in the Presence of Progressive First – Failure Censoring, The first Conference of Young Researchers Sohag University , 8 May 2010.
9. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Rashad M. El-Sageer, Bayesian and frequentist Two sample Predictions for the Burr type –X Model Based on Progressive Type –II Censored with Binomial Removals , The first Conference of Young Researchers Sohag University , 8 May 2010..
10. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Al- Wageh A. Farghal, Bayesian prediction for the Rayleigh model based on K-upper Record, The first Conference of Young Researchers Sohag University , 8 May 2010.
11. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Rashad M El-Sagheer. Bayesian and frequentist Prediction for the Burr Type –X Model Based on Progressive Type – II Censored with Random Removal, The 2nd (ICMIS) Sohag University, 10-13 Sep 2011.
12. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Essam A. Ahmed, A Bayes Study via MCMC Approach for Modified Weibull Distribution based on Adaptive Type –II Progressively Hybrid Censoring Data , The 2nd (ICMIS) Sohag University , 10-13 Sep 2011.
13. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and G. A. Abd -Elmougod, Bayesian Inference and Prediction for the Gompertz Distribution for Progressive First – Failure Censored Data, The 2nd (ICMIS) Sohag University , 10-13 Sep 2011.
14. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and A. A., Modhesh, Bayesian Inference for the Burr type –XII Distribution under an Adaptive Type –II Progressive Scheme , The 2nd (ICMIS) Sohag University , 10-13 Sep 2011..
15. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Rashad M El-Sagheer. Bayesian Inference for the Lomax Distribution Presence of Progressive First – Failure Censoring The Organizing Committee of the 8th International Scientific Conference (AZHARSCIENCE) , 26-28 March 2012. Cairo Egypt.
16. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and A. A., Modhesh, Bayesian Inference and Prediction of Burr Type XII Distribution for Progressive First Failure Censored Sampling. Intelligent Information Management, 2011, 3, 175 -185.
17. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and G. A. Abd -Elmougod, A simulation-Based Approach to the Study of Coefficient of Variation of Gompertz Distribution Under Progressive First- Failure Censoring. Indian J. Pure Appl. Math., 42(5): 335- 356, October 2011
18. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Essam A. Ahmed, Reliability estimation in stress-strength models: an MCMC approach. Statistics, iFirst, 2011.
19. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and A. A., Modhesh, Estimation of the coefficient of variation for non- normal model using progressive first-failure-censoring data. Journal of Applied Statistics (2012), <http://dx.doi.org/10.1080/02664763.2012.725466>
20. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and Essam A. Ahmed, Modified Weibull model: A Bayes study using MCMC approach based on progressive censoring data. Reliability Engineering and System Safety 100 (2012) 48-57.
21. Soliman, A. A. and Abd Ellah, A.H, N. A. Abou –Elheggag and G. A. Abd -Elmougod, Estimation of the parameters of life for Gompertz distribution using progressive first-failure censored data. Computational Statistics and Data Analysis 56(2012)2471-2485

22. Soliman, A. A. and Abd Allah, A.H, N. A. Abou –Elheggag and A. A., Modhesh, Estimation from Burr type XII distribution using progressive first- failure censored data. Journal of Statistical Computation and Simulation. iFirst, 2012, <http://dx.doi.org/10.1080/00949655.2012.690157>
23. Soliman, A. A. and Abd Allah, A.H, N. A. Abou –Elheggag and A. A., Modhesh, Bayesian and non-Bayesian inferences of the Burr- XII distribution for Progressive first-failure censored data. METRON (2013), INTERNATIONAL JOURNAL OF STATISTICS (accepted)
24. Nasser A. Abou-Elheggag , Estimation for Rayleigh Distribution Using Progressive First-Failure Censored Data. Journal of Statistics Applications Probability (2013, accepted)
25. Nasser A. Abou-Elheggag, Al-Wageh A. Faraghl and Hanan A. Ramadan, (2018), ” Estimation of $R = P(Y_j|X)$ using k-Upper Record Values from Kumaraswamy Distribution, J. Stat. Appl. Pro. No. 2, 1-11 (2018)”.
26. Nasser A. Abou-Elheggag, Alwageh A. Farghal, Gamal A. Abd-Elmougod and Osama M. Taha (2020) “Progressive first-failure censored samples in estimation and prediction of NH distribution “ J. Stat. Appl. 2020. 1-20.

Conferences

1. The First International Conference on Mathematics and Information Science in Sohag in November 2009
2. The first scientific conference for young researchers at Sohag University, 2010.
3. The Second International Conference on Mathematics and Information Science in Sohag in September 2011.
4. The Eighth International Scientific Conference on Environmental Development and Bioinformatics Faculty of Science - Al-Azhar University in Cairo in March 2012

Languages

Arabic Native
 English Very Good

Computer Skills

Expert Computer Operating Systems , All Microsoft Windows, SPSS and Mathematica.

Social skills

Communications