CURRICULUM VITAE
for
Dr/ Amal Soliman Hassan
Professor of Mathematical Statistics
Faculty of Graduate Studies for Statistical Research
Cairo University

PERSONAL INFORMATION

Name   : **Amal Soliman Hassan Abd-Alla**

Present Address   : **Faculty of Graduate Studies for Statistical Research**

        FGSSR, Cairo University, 5 Zewail Street, Orman

        Giza, Egypt, 12613.

E- Mail   : **dr.amalelmoslamy@gmail.com**
Tel.   **33353161--3351449**
Fax   **37482533**

Education:

Name and Location of Institution	Degree	Major Field	Year
Faculty of Science, Ain Shames, University, Egypt	**B. Sc**	Mathematical Statistics	1984
Faculty of Science, Ain Shames, University, Egypt	M.SC	Mathematical Statistics	1989
Faculty of Graduate Studies for Statistical Research	Ph.D	Mathematical Statistics	1999
Faculty of Graduate Studies for Statistical Research	Assistant Professor	Mathematical Statistics	1999
Faculty of Graduate Studies for Statistical Research	Associate Professor	Mathematical Statistics	2006
Faculty of Graduate Studies for Statistical Research	Professor	Mathematical Statistics	2013

Title of M.Sc. Thesis:

"Probabilistic Analysis of Some Models of Redundant system"

Title of Ph.D. Thesis:

"Testing and Estimation problems concerning the Generalized life Testing Model"

Professional Experience

1. From 1985 to 1989: Demonstrator at Cairo University and graduate student for M.SC. Degree at Faculty of Science, Ain Shames University.

2. From 1989 to 1999: Assistant Lecturer and graduate student to study for a Ph.D. degree at Cairo University.

3. From 1999 to 2006: Assistant professor at the Department of Mathematical Statistics, Institute of Statistical Studies & Research, Cairo University

4. From March 2006 : Associate professor at the Department of Mathematical Statistics, Institute of Statistical Studies & Research, Cairo University,

5. From Dec 2006 to June 2012: Associate Professor of Mathematical statistics at the Faculty of Scince, King Abd-Alziz Univeristy, Saudia Arabia.

6. From July 2012 up to January 2013: Associate Professor at the Department of Mathematical Statistics, Faculty of Graduate Studies & Statistical Research, Cairo University.

7. From February 2013 up to now: Professor at the Department of Mathematical Statistics, Faculty of Graduate Studies & Statistical Research, Cairo University.

8. From January 2015 up to June 2015: Associate Editor of the Egyptian Statistical Journal.

9. From January 2018- July 2021 Vice Dean for Community Service & Environmental Development, Faculty of Graduate Studies & Statistical Research, Cairo University.

10. امين عام المؤتمر السنوي الثالث والخمسين والرابع والخمسون للإحصـاء وعلوم الحاسب وبحوث العمليات(2018-2020)

11. عضـو اللجنـة العلميـة للانتـاج العلمـى لشـغل وظـائف الاسـاتذة والاسـاتذة المساعديين الدورة الثالثة عشر (2019-2021) الدراسات الإحصائية

12. محكم فى اللجنة العلمية للانتاج العلمى لشغل وظائف الاساتذة والاساتذة المساعديين الدورة الرابعة عشر (2021-2024) الدراسات الإحصائية

13. **Member of the editorial board of the Egyptian Statistical Journal, Faculty of Graduate Studies for Statistical Research, Cairo University, https://esju.journals.ekb.eg**

14. **Associate Editor of the Computational Journal of Mathematics and Statistical Sciences, https://cjmss.journals.ekb.eg/**

<u>**Session Chaired**</u>

The 39th , 40th , 48th , 49th and 50th Annual Conference in Statistics, Computer Science and Operation Research, Institute of Statistical Studies And Research, Cairo University.

امين عام المؤتمر السنوي الثالث والخمسين والرابع والخمسون للإحصاء وعلوم الحاسب وبحوث العمليات

Organizing 53th and 54th Annual Conference in Statistics, Computer Science and Operation Research, Annual Conference in Statistics, Computer Science and Operation Research.

Courses Taught

<u>**M.SC:**</u>

   Order Statistic, Non-Parametric test and Life testing, Stochastic Processes, Advanced Probability, and Reliability theory.

<u>**Ph.D:**</u>

   Special Function

<u>**Diploma:**</u>

Statistical Analysis, General Statistics, Descriptive Statistics, Probability and statistical distributions, Theory of Distribution II, Mathematics, Linear Algebra.

<u>**B.SC:**</u>

   Descriptive Statistics and Statistical Analysis, Theory of Probability, Hypothesis Testing, Sampling Theory, Industrial Statistics.

List of Published Papers

1. **Alsadat N, Hassan AS, Elgarhy M, Johannssen A, Gemeay AM. (2024) Estimation methods based on ranked set sampling for the power logarithmic distribution. Scientific Report (Sci Rep), 31,14(1):17652. doi: 10.1038/s41598-024-67693-4. PMID: 39085318; PMCID: PMC11291687.**

2. **Abdelall, Y. Y., Hassan, A.S., and Almetwally, E.M. (2024). A New Extention of the Odd Inverse Weibull-G Family of Distributions: Bayesian and Non-Bayesian Estimation with Engineering Applications.**

Computational Journal of Mathematical and Statistical Sciences 3(2), 359–388. 3(2), 359–388 DOI:10.21608/CJMSS.2024.285399.1050

3. Hassan, A.S., Alsadat, N., Elgarhy, M. Ahmad, H. and Nagy, H.F. (2024). On Estimating Multi- Stress Strength Reliability for Inverted Kumaraswamy Under Ranked Set Sampling with Application in Engineering. Journal of Nonlinear Mathematical Physics, 31:30 https://doi.org/10.1007/s44198-024-00196-y

4. Hassan, A.S., Morgan, Y.S. Stress-strength reliability inference for exponentiated half-logistic distribution containing outliers. Qual Quant (2024). https://doi.org/10.1007/s11135-024-01927-5

5. Elbatal, I., Hassan, A.S., Gemeay, A.M., Diab, L.S, Ghorbal, A.B. and Elgarhy, M. (2024). Statistical analysis of the inverse power Zeghdoudi model: Estimation, simulation and modeling to engineering and environmental data. Physica Scripta 99 (2024) 065231, DOI 10.1088/1402-4896/ad46d0.

6. Habeeb, S.B., Abdullah, F.K., Shalan, R.N., Hassan, A.S., Almetwally, E. M., Alghamdi, F. M., Alsheikh, S.M.A. Hossain, Md, M. (2024). Comparison of some Bayesian estimation methods for type-I generalized extreme value distribution with simulation, Alexandria Engineering Journal, 98, 356-363,https://doi.org/10.1016/j.aej.2024.04.

7. Hassan, A.S., and Almetwally, E.M. (2024). Applications to Physical Data Using Four-Parameter Inverted Topp-Leone Model. Thailand Statistician 22(2): 430-457.

8. Hassan, A.S., Khalil, A.M. and Nagy, H.F. (2024). Data Analysis and Classical Estimation Methods of the Bounded Power Lomax Distribution. Reliability Theory & Applications, 19(1), 770-789.

9. Alyami1, S. A, Hassan, A. S., Elbatal, I., Alotaibi, N., Gemeay, A.M. and Elgarhy, M. (2024). Estimation methods based on ranked set sampling for the arctan uniform distribution with application. AIMS Mathematics, 9(4): 10304–10332.

10. Hassan, A.S., Elgarhy, M., Chesneau, C., Nagy, H.F. (2024). Bayesian analysis of multi-component stress-strength reliability using improved record values. Journal of Autonomous Intelligence, 7(4), 1-20, doi: 10.32629/jai.v7i4.868

11. Hassan, A.S., El-Sherpieny, E.A. and Mohamed, R.E (2024). Bayesian Estimation of Stress Strength Modeling Using MCMC Method Based on

Outliers Annals of Data Science https://doi.org/10.1007/s40745-023-00512-1.

12. Yousef, M. M., Hassan, A.S. and Almetwally, E.M. (2024). Statistical Inference for the Unit Gompertz Power Series Distribution Using Ranked Set Sampling with Applications. Assiut University Journal of Multidisciplinary Scientific Research, 53(1): 154- 189

13. Hassan, A.S., Elshaarawy, R.S., and Nagy, H.F. (2024). Estimation study of multicomponent stress-strength reliability using advanced sampling approach. Gazi University Journal of Science, 37(1): 465-481, DOI: 10.35378/gujs.1132770

14. Hassan, A.S., Assar, S.M. and Ali, K.A. (2024). Efficient Estimation of the Burr XII Distribution in Presence of Progressive Censored Samples with Binomial Random Removal. Thailand Statistician, 22(1): 121-141

15. Hassan, A.S., Mousa, R.A., and Abu-Moussa, M.H. (2024). Bayesian analysis of generalized inverted exponential distribution based on generalized progressive hybrid censoring competing risks data. Annals of Data Science https://doi.org/10.1007/s40745-023-00488-y.

16. Hassan , A.S., Atia, S.A., and Muhammed, H. Z. (2024). Classical and Bayesian Inference for the Length Biased Weighted Lomax Distribution under Progressive Censoring Scheme. Gazi University Journal of Science, 37(2): 979-1002, DOI: 10.35378/gujs.1249968

17. Al Mutairi A, Hassan AS, Alshqaq SS, Alsultan R, Gemeay AM, Nassr SG, and Elgarhy M. (2023). Inverse power Ramos–Louzada distribution with various classical estimation methods and modeling to engineering data. AIP Advances 13, 095117 (2023); doi: 10.1063/5.017039

18. Elbatal, I.; Hassan, A.S.; Diab, L.S.; Ben Ghorbal, A.; Elgarhy, M.; El-Saeed, A.R. Stress–Strength Reliability Analysis for Different Distributions Using Progressive Type-II Censoring with Binomial Removal. Axioms 2023, 12, 1054. https://doi.org/10.3390/ axioms12111054

19. Hassan, A.S., Elsherpieny, E.A., and Felifel , A.M.(2023). Bayesian and non-Bayesian analysis for the lifetime performance index based on generalized order statistics from Pareto distribution. Journal of Autonomous Intelligence (2024) Volume 7 Issue 2 doi: 10.32629/jai.v7i2.1017.

20. Nassr, S.G., Hassan, A.S., Almetwally, E.M., Al Mutairi, A., Khashab, R.H. and ElHaroun, N.M. (2023). Statistical Inference of the Inverted

Exponentiated Lomax Distribution using Generalized Order Statistics with Application to COVID-19. AIP Advances 13, 105118 (2023); doi: 10.1063/5.0174540.

21. Alyami, S.A.; Elbatal, I.; Hassan, A.S.; Almetwally, E.M. Engineering Applications with Stress-Strength for a New Flexible Extension of Inverse Lomax Model: Bayesian and Non-Bayesian Inference. Axioms 2023, 12, 1097. https://doi.org/10.3390/axioms12121097.

22. Elbatal, I.; Hassan, A.S.; Diab, L.S.; Ben Ghorbal, A.; Elgarhy, M.; El-Saeed, A.R. (2023). Stress–Strength Reliability Analysis for Different Distributions Using Progressive Type-II Censoring with Binomial Removal. Axioms 2023, 12, 1054. https://doi.org/10.3390/axioms 121110541.

23. Hassan, A.S., Alsadat, N., Chesneau, C., and Shawki, A.W. (2023). A novel weighted family of probability distributions with applications to world natural gas, oil, and gold reserves. Mathematical Biosciences and Engineering (MBE), 20(11): 19871–19911.DOI: 10.3934/mbe.2023880.

24. Alsadat, N., Elgarhy, M., Hassan, A.S., Chesneau, C., Ahmad, H and Esia, A.E (2023). A New Extension of Linear Failure Rate Distribution with Estimation, Simulation and Applications. AIP Advances 13, 105019 (2023); doi: 10.1063/5.0170297

25. Hassan, A.S., Alsadat, N., Elgarhy, M., Chesneau, C., Elmorsy, R. M. (2023). Different classical estimation methods using ranked set sampling and data analysis for the inverse power Cauchy distribution. Journal of Radiation Research and Applied Sciences, 16(4), 100685, https://doi.org/10.1016/j.jrras.2023.100685.

26. Elgarhy, M., Al Mutairi, A., Hassan, A.S., Chesneau, C., Abdel-Hamid, A. H. (2023). Bayesian and non-Bayesian estimations of truncated inverse power Lindley distribution under progressively type-II censored data with applications. AIP Advances 13, 095130.

27. Alsadat, N., Nagarjuna, V.B.V., Hassan, A.S., Elgarhy, M., Ahmad, Z. and Almetwally, E.M. (2023). Marshall–Olkin Weibull–Burr XII distribution with application to physics data. AIP Advances 13, 095325; doi: 10.1063/5.0172143

28. Helmy, B. A., Hassan, A.S. El-Kholy, A.K. (2023). Analysis of Uncertainty Weighted Measures for Pareto II distribution. Reliability Theory & Applications, 18 (3), 81-96

29. Elshahhat, A., El-Sherpieny, E.A. Hassan, A.S. (2023). The Pareto–Poisson Distribution: Characteristics, Estimations and Engineering Applications. Sankhya, Volume 85-A, Part 1, 1100-110, 1**1058–1099** (2023). https://doi.org/10.1007/s13171-022-00302-6.

30. Alghamdi, S.M., Shrahili, M., Hassan, A.S., Mohamed, R.E, Elbatal, I., Elgarhy, M. (2023). Analysis of milk production and failure data: using unit exponentiated half logistic power series class of distributions. Symmetry 2023, 15, 714. https://doi.org/10.3390/ sym15030714

31. Elgarhy, M., Alsadat, N., Hassan, A.S., and Chesneau,C. (2023). Bayesian inference using MCMC algorithm of sine truncated Lomax distribution with application. AIP Advances 13, 095120; doi: 10.1063/5.017242

32. Hassan, A.S., El-Sherpieny, E.A. and Mohamed, R.E (2023). Classical and Bayesian Estimation of Entropy for Pareto Distribution in Presence of Outliers with Application. Sankhya A: The Indian Journal of Statistics **85**, 707–740 (2023). https://doi.org/10.1007/s13171-021-00274-z

33. Alsadat, N., Hassan, A.S., Gemeay, A.M., Chesneau, C. and Elgarhy, M. (2023). Different estimation methods for the generalized unit half-logistic geometric distribution: Using ranked set sampling. AIP Advances 13, 085230; doi: 10.1063/5.0169140.

34. Al Mutairi, A., Hassan, A.S., Alshqaq, S.S., Alsultan, R. Gemeay, A.M., Nassr, S.G. and Elgarhy, M. (2023). Inverse Power Ramos-Louzada Distribution with Various Classical Estimation Methods and Modeling to Engineering Data. AIP Advances 13, 095117; doi: 10.1063/5.0170393

35. Hassan, A.S., Ismail, D.M., and Nagy, H.F. (2023). Analysis of a non-identical component strengths system based on lower record data. Reliability: Theory & Applications, 18(2), 513-528.

36. El-Saeed, A.R., Hassan, A.S., Elharoun, N.M., Al Mutairi, A., Khashab, R.H., Nassr, S.G. (2023). A class of power inverted Topp-Leone distribution: Properties, different estimation methods & applications. Journal of Radiation Research and Applied Sciences, 16 (2023) 100643, https://doi.org/10.1016/j.jrras.2023.100643.

37. Elgarhy, M.; Alsadat, N.; Hassan, A.S.; Chesneau, C.; Abdel-Hamid, A.H. A new asymmetric modified Topp–Leone distribution: classical and Bayesian estimations under progressive type-II censored data with applications. Symmetry 2023, 15, 1396. https://doi.org/10.3390/sym15071396.

38. Alsadat, N.; Hassan, A.S.; Elgarhy, M.; Chesneau, C.; El-Saeed, A.R. Sampling Plan for the Kavya–Manoharan Generalized Inverted Kumaraswamy Distribution with Statistical Inference and Applications. Axioms 2023, 12, 739. https://doi.org/10.3390/ axioms12080739

39. Fayomi, A., Hassan, A.S., and Almetwally, E.A. (2023). Inference and quantile regression for the unit exponentiated Lomax distribution. PLoS ONE 18(7): e0288635. https://doi.org/10.1371/journal.pone.0288635.

40. Alyami, S.A., Hassan, A.S., Elbatal, I., Elgarhy, M. and El-Saeed A.R. (2023). Bayesian and non-Bayesian estimation of dynamic cumulative residual Tsallis entropy for moment exponential distribution under progressive censored type II. Open Physics, 21: 20220264

41. Helmy, B.A., Hassan, A.S., El-Kholy A.K., Bantan, R.A.R., and Elgarhy, M. (2023). Analysis of information measures using generalized type-I hybrid censored data. AIMS Mathematics, 8(9): 20283–20304

42. Alsadat, N.; Hassan, A.S.; Elgarhy, M.; Chesneau, C.; Mohamed, R.E. An Efficient Stress–Strength Reliability Estimate of the Unit Gompertz Distribution Using Ranked Set Sampling. Symmetry 2023, 15, 1121. https:// doi.org/10.3390/sym15051121

43. Hassan, A.S., and Abd-Allah, M. (2023). Power Quasi Lindley Power Series Class of Distributions: Theory and Applications. Thailand Statistician, 21(2), 314-336.

44. Abdelwahab, M.M.; Ghorbal, A.B.; Hassan, A.S.; Elgarhy, M.; Almetwally, E.M.; Hashem, A.F. Classical and Bayesian Inference for the Kavya–Manoharan Generalized Exponential Distribution under Generalized Progressively Hybrid Censored Data. Symmetry 2023, 15, 1193. https://doi.org/10.3390/ sym15061193.

45. Hassan, A.S., and Alharbi, R. S. (2023). Different estimation methods for the unit inverse exponentiated Weibull distribution. Communications for Statistical Applications and Methods, 30(2), 191–213

46. Hassan, A.S., Elsherpieny, E.A., and Aghel, W.E. (2023). Statistical inference of the Burr Type III distribution under joint progressively Type-II censoring. Scientific African 21 (2023) e01770, https://doi.org/10.1016/j.sciaf.2023.e01770

47. Fayomi, A.; Hassan, A.S.; Baaqeel, H.M.; Almetwally, E.M. (2023). Bayesian Inference and Data Analysis of the Unit–Power Burr X

Distribution. Axioms 2023, 12, 297. https://doi.org/10.3390/axioms12030297

48. Hassan, A.S.; Atia, S. A. and Muhammed, H. Z. (2023). Bayesian and non-Bayesian inference of exponentiated moment exponential distribution with progressive censored samples. RT&A, 18(1), 264–281

49. Hassan, A.S.; Alsadat, N.; Elgarh y, M.; Chesneau, C.; Nagy, H.F. (2023). Analysis of $\mathbb{R} = P[Y < X < Z]$ Using Ranked Set Sampling for a Generalized Inverse Exponential Model. Axioms 2023, 12, 302. https://10.3390/axioms12030302

50. Hassan, A.S., Almanjahie, I. M., Al-Omari, A. I., Alzoubi, L. Nagy, H.F., (2023). Stress–Strength Modeling Using Median-Ranked Set Sampling: Estimation, Simulation, and Application, *Mathematics* 2023, 11, 318. https://doi.org/10.3390/ math11020318

51. Alghamdi, S.M.; Shrahili, M.; Hassan, A.S.; Gemeay, A.M.; Elbatal, I.; Elgarhy, M. (2023). Statistical Inference of the Half Logistic Modified Kies Exponential Model with Modeling to Engineering Data. Symmetry 2023, 15, 586. https://doi.org/10.3390/sym15030586

52. Zayed, M.A., Hassan, A.S., Almetwally, E.M., Aboalkhair, A.M., Al-Nefaie A. H., and Almongy, H.M. (2023). A Compound Class of Unit Burr XII Model: Theory, Estimation, Fuzzy, and Application Scientific Programming, Article ID 4509889, 17 pages https://doi.org/10.1155/2023/4509889

53. Hassan, A.S, Elshaarawy, R.S., and Nagy, H.F. (2023). Reliability Analysis of Exponentiated Exponential Distribution for Neoteric and Ranked Sampling Designs with Applications. Statistics, Optimization and Information Computing, 11, 580–594

54. Hassan, A.S, Shawkia, A.W. and Muhammeda, H. Z. (2023). Analysis of Household Income, Expenditure and Consumption Survey Research Data for North Sinai Governorate in Egypt Using Length Biased Truncated Lomax Distribution. Statistics, Optimization and Information Computing, 11, 390–408.

55. Hassan, A. S., Mousa, R. M., and Abu-Moussa, M. H. (2022). Analysis of Progressive Type-II Competing Risks Data, with Applications. Lobachevskii Journal of Mathematics, 43 (9), 2479–2492.

56. Hassan, A.S, Elshaarawy, R.S., and Nagy, H.F. (2022) Parameter estimation of exponentiated exponential distribution under selective ranked set sampling. STATISTICS IN TRANSITION new series, 23(4), 37–58.

57. Nagy, H.F., Al-Omari, A.I., Hassan, A. S., and Alomani, G.A. (2022). Improved Estimation of the Inverted Kumaraswamy Distribution Parameters based on Ranked Set Sampling with an Application to Real Data. Mathematics 10, 4102. https://doi.org/10.3390/ math10214102

58. Hassan, A. S., Fayomi, A., Algarni, A. and Almetwally, E. M. (2022). Bayesian and Non-Bayesian Inference for Unit Exponentiated Half Logistic Distribution with Data Analysis. Applied Sciences, 12, 11253. https://doi.org/10.3390/app122111253

59. Hassan, A. S., Al-Omari, A.I., Hassan, R.R., and Alomani, G. (2022). The odd inverted Topp Leone–H family of distributions: Estimation and applications. Journal of Radiation Research and Applied Sciences, 15, 365–379.

60. Yousef, M.M., Hassan, A.S., Alshanbari, H.M., El-Bagoury, A-A.H., Almetwally, E.M. (2022). Bayesian and Non-Bayesian Analysis of Exponentiated Exponential Stress–Strength Model Based on Generalized Progressive Hybrid Censoring Process. Axioms, 11, 455. https:// doi.org /10.3390 axioms11090455

61. Hassan, A. S., Ismail, D. M. Nagy, H., F. (2022). Reliability Bayesian Analysis in Multicomponent Stress–Strength for Generalized Inverted Exponential Using Upper Record Data. AENG International Journal of Applied Mathematics, 52:3, IJAM_52_3_05

62. Nassr, S.G., Hassan, A. S., Alsultan, R. and El-Saeed, A.R. (2022). Acceptance Sampling Plans for the Three-Parameter Inverted Topp–Leone Model, AIMS Mathematical Bioscience and Engineering, 19(12), 13628–13659

63. Yousef, M.M., Hassan, A.S., Al-Nefaie, A.H.; Almetwally, E.M., Almongy, H.M. (2022). Bayesian Estimation Using MCMC Method of System Reliability for Inverted Topp–Leone Distribution Based on Ranked Set Sampling. Mathematics, 10, 3122. https://doi.org/10.3390/math 1017312

64. Hassan, A.S., Almetwally, E.M., Gamoura, S .C. and Metwally, A.S.M. (2022). Inverse Exponentiated Lomax Power Series Distribution: Model,

Estimation and Application. Journal of Mathematics, https://doi.org/10.1155/2022/1998653.

65. Hassan, A.S, Shawkia, A.W. and Muhammeda, H. Z. (2022). Weighted Weibull-G Family of Distributions: Theory & Application in the Analysis of Renewable Energy Sources. Journal of Positive School Psychology, 6(3), 9201–9216.

66. Hassan, A.S, Elsherpieny, E. A., R.S., and Mohamed, R.E (2022). Cumulative Residual Extropy for Pareto Distribution in the Presence of Outliers: Bayesian and Non-Bayesian Methods. Statistics Optimization and Information Computing. 10, 1095–1109. Doi.10.19139/soic-2310-5070-1200

67. Shrahili, M., Hassan, A.S., Almetwally E.M., Ghorbal, A.B. and Elbatal, I. (2022). Alpha Power Moment Exponential Model with Application to Biomedical Science. Scientific Programming, https:// doi.org/ 10.1155/ 2022 /6897405

68. Hassan, A.S, Elshaarawy, R.S., Onyango, R. and Nagy, H.F. (2022) Estimating System Reliability Using Neoteric and Median RSS Data for Generalized Exponential Distribution, International Journal of Mathematics and Mathematical Sciences, https://doi.org/10.1155/2022/2608656

69. Shrahili, M., El-Saeed, A.R., Hassan, A.S., Elbatal, I., and Elgarhy, M. (2022). Estimation of Entropy for Log-Logistic Distribution under Progressive Type II Censoring. Journal of Nanomaterials, doi.org/10.1155/2022/2739606.

70. Hassan, A.S., Mohamed, R.E., Kharazmi O., and Nagy, H.F. (2022). A New Four Parameter Extended Exponential Distribution with Statistical Properties and Applications. Pakistan Journal of Statistics and Operation Research, 18(1), 179-193.

71. Al-Dayel, I., Alotaibi, N., Elbatal, I., Aidi, K. and Hassan, A.S. (2022). Modelling to Covid-19 Data in Saudi Arabia Using: A New Xgamma Model. Advances and Application in Statistics, doi. org/ 10. 17 654 /09 72 361722023, 74, 145-166.

72. Hassan, A.S., and Nagy, H.F. (2022). Reliability Estimation in Multicomponent Stress Strength for Generalized Inverted Exponential Distribution Based on Ranked Set Sampling. Gazi University Journal of Science, 35 (1), 314-331.

73. Hassan, A.S., El-Sherpieny, E.A. and Mohamed, R.E (2022). Estimation of information measures for power-function distribution in presence of outliers and their applications. Journal of Information and Communication Technology, 21(1), 1-25. https: //doi.org/ 10.32890 /jict20 22.21.1.1

74. Alghamdi, S.M.; Bantan, R.A.R.; Hassan, A.S.; Nagy, H.F.; Elbatal, I.; Elgarhy, M. Improved EDF-Based Tests for Weibull Distribution Using Ranked Set Sampling. Mathematics 2022, 10, 4700.https://doi.org/10.3390/math10244700

75. Elgarhy,M., Hassan, A.S. and Nagy, H. F. (2022). Parameter Estimation Methods and Applications of the Power Topp-Leone Distribution. Gazi Univeristy Jouranl of Science, 35(2): 731-746.

76. Helmy, B.A., Hassan, A.S., and El-Kholy A.K. (2021). Analysis of uncertainty measure using unified hybrid censored data with applications. Journal of Taibah University for Science, 15 (1), 1130–1143, /doi.org/10.1080/16583655.2021.2022901.

77. Al-Omari , A. i., Hassan, A.S., Alotaibi, N., Shrahili , M., and Nagy, H.F. (2021). Reliability Estimation of Inverse Lomax Distribution Using

Extreme Ranked Set Sampling. Advances in Mathematical Physics, https://doi.org/10.1155/2021/4599872.

78. Metwally, A. S. M. Hassan, A. S., Almetwally, E. M. Kibria, B M G. and Almongy, H. M. (2021). Reliability Analysis of the New Exponential Inverted Topp–Leone Distribution with Applications, entropy, 23, 1662. https://doi.org/10.3390/ e23121662

79. Hassan, A.S., Assar, A.M., Ali, K.A. and Nagy, H. F. (2021). Estimation of the density and cumulative distribution functions of the exponentiated Burr XII distribution. STATISTICS IN TRANSITION new series, 22(4), 171–189.

80. Hassan, A.S., and Ismail, D. (2021). Estimation of Parameters of Topp-Leone Inverse Lomax Distribution in Presence of Right Censored Samples. Gazi Univeristy Jouranl of Science, 34(4), 1193-1208.

81. Almarashi, A. M., Algarni, A., Hassan, A.S., Elgarhy, M., Jamal, F., Chesneau, C., Alrashidi, K., Mashwani, W. K., and Nagy. H.F. (2021). A new estimation study of the stress-strength reliability for the Topp–Leone distribution using advanced sampling methods. Scientific Programming, https://doi.org/10.1155/2021/2404997, 1-13.

82. **Almarashi, A.M., Algarni, A., Hassan, A.S., Zaky, A.N. and Elgarhy, M. (2021). Bayesian Analysis of Dynamic Cumulative Residual Entropy for Lindley Distribution. Entropy, 23, 1256. https://doi.org/10.3390/ e23 1012 56**

83. **Algarni, A., Almarashi, A.M., Elbatal, I., Hassan, A.S., Almetwally, E. M., Daghistani, A.M. and Elgarhy, M. (2021). Type I Half Logistic Burr X-G Family: Properties, Bayesian, and Non-Bayesian Estimation under Censored Samples and Applications to COVID-19 Data. Mathematical Problems in Engineering, 5461130, 21 pages https: // doi .org /10. 1155 /2021/5461130**

84. **Al-Omari, A.I., Hassan, A.S., Nagy, H.F., Al-Anzi, A.R.A., and Alzoubi, L. (2021). Entropy Bayesian Analysis for the Generalized Inverse Exponential Distribution Based on URRSS. Computers, Materials & Continua, DOI:10.32604/cmc.2021.019061.**

85. **Hassan, A.S., Khaleel, M.A., and Mohamed, R.E. (2021). An Extension of Exponentiated Lomax distribution with Application to Lifetime Data. Thailand Statistician, 19(3), 484-500.**

86. **Bantan, R. Elsehetry, M. Hassan, A.S., Elgarhy, M., Sharma, D., Chesneau, C. and Jamal, F. (2021). A Two-Parameter Model: Properties and Estimation under Ranked Sampling. MDPI Mathematics,9,1214. https://doi.org/10.3390/math9111214.**

87. **Bantan, R., Hassan, A.S., Almetwally, E., Elgarhy, M., Jamal, F., Chesneau, C. and Elsehetry, M. (2021). Bayesian Analysis in Partially Accelerated Life Tests for Weighted Lomax Distribution. Computers, Materials & Continua, 68 (3), 2859– (DOI:10.32604/cmc.2021.015422**

88. **Hassan, A.S., Almetwally, E.M., Khaleel, M.A., Nagy, H,F. (2021). Weighted Power Lomax Distribution and its Length Biased Version: Properties and Estimation based on Censored Samples. Pakistan Journal of Statistics and Operation Research, 17(2), 343-356.**

89. **Hassan, A.S. and Nassr, S.G. (2021). Parameter estimation of an extended inverse power Lomax distribution with Type I right censored data. Communications for Statistical Applications and Methods, 28 (2), 99–118.**

90. **Hassan[1], A.S., El-Sherpieny[1], E.A. and El-Taweel[2], S.A. (2021). New Topp Leone-G Family with Mathematical Properties and Applications. International Conference on Applied and Practical Sciences ICAPS https://doi:10.1088/1742-6596/1860/1/012011.**

91. Ahmadini, A.A.H., Hassan, A.S., Mohamed, R.E., Alshqaq, S.S. and Nagy, H.F. (2021). A New Four-Parameter Moment Exponential Model with Applications to Lifetime Data. Intelligent Automation & Soft Computing,.29 (1), 131-146

92. Ahmadini, A.A.H., Hassan, A.S., Elgarhy, M., Elsehetry, M., Alshqaq, S.S. and. Nassr, S. G. (2021). Inference of Truncated Lomax Inverse Lomax Distribution with Applications. Automation & Soft Computing, 29 (1), 199-212.

93. Ibrahim, G. M., Hassan, A.S. Almetwally, E. M. and Almongy, H.M. (2021). Parameter Estimation of Alpha Power Inverted Topp-Leone Distribution with Applications, Intelligent Automation & Soft Computing, 29(2), 353-371, DOI:10.32604/iasc.2021.017586.

94. Hassan, A. S. and. Assar, S.A. (2021). A New Class of Power Function Distribution: Properties and Applications. Annals of Data Science, 8(2), 205-225

95. Al-Babtain, A.A., Hassan,A.S. Zaky, A.N., Elbatal, I. and Elgarhy, M. (2021). Dynamic cumulative residual Rényi entropy for Lomax distribution: Bayesian and non-Bayesian methods, AIM Mathematics, 6(3), 3889-3914.

96. Hassan, A.S., Khaleel, M.A. and Nassr, S. G. (2021). Transmuted Topp-Leone Power Function Distribution: Theory and Application. Journal of Statistics Applications & Probability, 10 (1), 215-227.

97. Hassan, A.S., Al-Omar, A. I.., Ismail, D. M. and Al-Anzi, A. (2021). A new generalization of the inverse Lomax distribution with statistical properties and applications. International Journal of Advanced and Applied Sciences, 8(4), 89-97.

98. Hassan, A.S., Almetwally, E.M. and Ibrahim, G.M. (2021). Kumaraswamy Inverted Topp–Leone Distribution with Applications to COVID-19 Data. Computers, Materials & Continua, 68(1), 337-356, DOI:10.32604/cmc.2021.013971.

99. Hassan, A.S., Assar, S.M. and Abd Elghaffar, A.M. (2021). Bayesian Estimation of Power Transmuted Inverse Rayleigh DistributionS. Thailand Statistician, 19(2), 393-410

100.   Hassan, A.S. and Zaki, A.N. (2021). Entropy Bayesian Estimation for Lomax Distribution Based on Record. Thailand Statistician, 19(1), 96-115

101. **Hassan, A.S., Selmy, A.,S. and Assar, S.M. (2021). Assessing the Lifetime Performance Index of Burr Type III Distribution under Progressive Type II Censoring. Pakistan Journal of Statistics & Operation Research, 17(3), 633-647**

102. **Hassan, A.S., Al-Omari, A.I., and Nagy, H. F. (2021). Stress–Strength Reliability for the Generalized Inverted Exponential Distribution Using MRSS. Iranian Journal of Science and Technology, Transactions A: Science,** https://doi.org/10.1007/s40995-020-01033-9(0123456789, **45:641–659.**

103. **Abushal, T.A., Hassan, A.S., El-Saeed A.R. and Nassr, S.G. (2021). Power Inverted Topp–Leone Distribution in Acceptance Sampling Plans. Computers, Materials & Continua, 67(1), 991–1101, DOI: 10. 32 60 4/ cmc .2021.014620**

104. **Hassan, S.S., Hemeda, S.E. and Nassr, S.G. (2020). On the Extension of Exponentiated Pareto Distribution. Journal of Modern Applied Statistical Methods, 19(1), eP3021. doi: 10.22237/jmasm/1619481840**

105. **Hassan, A.S., Sabry, M.A.H., and Elsehery, A.M. (2020). A New Probability Distribution Family Arising from Truncated power Lomax Distribution with Application to Weibull Model. Pakistan Journal of Statistics and Operation Research, 16(4), 661-674**

106. **Ahmadini, A.A.H., Hassan, A.S., Zaki, A.N. and Alshqaq, S.S. (2020). Bayesian Inference of Dynamic Cumulative Residual Entropy from Parto II distribution with Application to Covid 19. AIM Mathematics, 6(3), 2196-2216**

107. **Al-Omari, A.I., Almanjahie, I.M., Hassan, A.S., and Nagy, H.F. (2020). Estimation of the Stress-Strength Reliability for Exponentiated Pareto Distribution Using Median and Ranked Set Sampling Methods. Computers, Materials & Continua, 64(2), 835-857**

108. **Bantan, R., Hassan,. A.S. and Elsehetry, M. (2020). Generalized Marshall Olkin Inverse Lindley Distribution with Applications.. Computers, Materials & Continua, 64(3), 1505-1525.**

109. **Bantan, R., Hassan,. A.S. and Elsehetry, M. (2020). Zubair Lomax Distribution: Properties and Estimation Based on Ranked Set Sampling. Computers, Materials & Continua, 65(3), 2169-2187.**

110.   Hassan, A.S., Assar, S.M. and Abd Elghaffar, A.M. (2020). Statistical properties and estimation of power-transmuted inverse Rayleigh distribution. STATISTICS IN TRANSITION new series, 21(3), 1-20,

111.   Hassan, A.S., Nagy, H. F., Muhammed, H.Z. and Saad, M. S (2020). Estimation of Multicomponent Stress-Strength Reliability Following Weibull Distribution Based on Upper Record Values. Journal of Taibh University of Sciences, 14(1), 244–253

112.   Hassan, A.S., Elgarhy,M. and Mohamed, R.E. (2020). Statistical Properties and estimatiou of type II half logistic Lomax distribution. Thailand Statistician, 18(3): 290-305

113.   Bantan, R. Hassan, A.S., Elsehetry, M., and Golam Kibria, (2020). Half-Logistic Xgamma Distribution: Properties and Estimation under Censored Samples. Discrete Dynamics in Nature and Society, https://doi.org/10.1155/2020/9136513

114.   Hassan, A.S., Nassar, S.G.. (2020). A New Generalization of Power Function Distribution: Properties and Estimation based on Censored Samples. Thailand Statistician, 18(2): 215-234

115.   Hassan, A.S., Sabry, M., A. and Elsehetry, A. M. (2020). Truncated Power Lomax Distribution with Application to Flood Data. Journal of Statistics Applications & Probability, 9(2), 347-359

116.   Hassan, A.S., Sabry, M., A. and Elsehetry, A. M. (2020). A New Family of Upper-Truncated Distributions: Properties and Estimation. Thailand Statistician, 18(2): 196-214

117.   Hassan, A.S., Elgarhy, M., and Ragab, R. (2020). Statistical Properties and Estimation of Inverted Topp-Leone Distribution. Journal of Statistics Applications & Probability, 9(2), 319-331

118.   Hassan, A.S., Pramanik, S., Maiti, S. and Nassr, S.G. (2020). Estimation in Constant Stress Partially Accelerated Life Tests for Weibull Distribution Based on Censored Competing Risks Data, Annals of Science, 7(1):45–62

119.   Hassan, A.S., Abdul-Moniem, I.B. and Gad, K.A.E. (2020). A Generalized Transmuted Moment Exponential Distribution: Properties and Application, Academic Journal of Applied Mathematical Sciences, 6(5), 41-52.

120.   Hassan, A.S., Assar, S.M. and Selmy, A.S. (2019). Estimation of the Lifetime Performance Index with Burr Type III Distribution Under Type II Censoring, The 54th Annual Conference on Statistics, Computer Sciences and Operation Research, 9-11 Dec,34-49.

121.   Hassan, A.S., and Mohamed, R.E (2019). Parameter Estimation of Inverse Exponentiated Lomax distribution with Right Censored Data. Gazi University Journal of Science, 32(4), 1370-1386.

122.   Jamal, F., Elbatal, I, Chesneau, C., Elghary, M., and Hassan, A.S., (2019). Modified Beta Generalized Linear Failure Rate Distribution: Theory and Applications. Journal of Prime Research in Mathematics 15, 21-48.

123.   Hassan, A.S., Elgarhy, M., and Ahmad, Z. (2019). Type II Generalized Topp–Leone Family of Distributions: Properties and Applications. Journal of Data Science, 17(4), 638-659

124.   Elghary, M., Elbatal, I, Hamedani, and Hassan, A.S. (2019). On the Exponentiated Weibull Rayleigh distribution. Gazi University Journal of Science, 32(3), 1060-1081.

125.   Hassan, A.S., and Mohamed, R.E (2019). Weibull inverse Lomax distribution. Pakistan journal of Statistics & Operation Research, 15(3), 587-603.

126.   Hassan, A.S., and Zaky, H.A. (2019). Estimation of Entropy for Inverse Weibull Distribution under Multiple Censored Data. Journal of Taibh University of Sciences, 13(1), 331-337.

127.   Hassan, A.S., Elghary, M. (2019). Exponentiated Weibull Weibull: Statistical Properties and Applications. Gazi Univeristy Journal of Sciences, 32(2), 616-635.

128.   Hassan, A.S., Elsherpieny, E.A., Mohamed, R.E. (2019). Odds Generalized Exponential-Power Function Distribution: Properties & Applications. Gazi University Journal of Science, 32(1), 351-370.

129.   Hassan, A.S., and Abd-Alla, M. (2019). On the Inverse Power Lomax. Annals of Data Science, 6(2):259–278

130.   Hassan, A.S., Mohamed, R. E., Elgarhy, M. and Fayomi, A. (2019). Alpha Power Transformed Extended Exponential Distribution: Proprties and Applications. Journal of Non-Linear Sceinces and Applications, 12, 239-251

131.   Hassan, A.S. and Nassar, S.G. (2019). Power Lindley- G family. Annals of Data Science, 6(2), 189–210

132.   Hassan, A.S., Elgarhy, M., and Haq, M.A. and Alrajhi, S. (2019). On Type II Half Logistic Weibull Distribution with Applications. Mathematical Theory and Modeling, 19(1), 49-63.

133.   Hassan, A.S., Mohamed, R.E. Elgarhy, M. and Alrajhi, S. (2019). On the Alpha Power Transformed Power Lindley Distribution. Journal of Probability and Statistics, 1-13, https://doi.org/10.1155/2019/8024769.

134.   Hassan, A.S., Elgarhy, M., Nassr, S. G. and Alrajhi, S. (2019). Truncated Weibull Frèchet Distribution: Statistical Inference and Applications. Journal of Computational and Theoretical Nanoscience, 16,1-9.

135.   Elgarhy, M., Hassan, A.S., and Fayomi, S. (2018). Maximum Likelihood and Bayesian Estimation for Two-Parameter Type I Half Logistic Lindley Distribution. Journal of Computational and Theoretical Nanoscience, 15,1-9.

136.   Haq, M.A. Almarashi, A. M., Hassan, A.S., and Elgarhy, M. (2018). Type II Half Logistic Rayleigh: Proprties & Estimation Based on Censored Samples. Journal of Advances in Mathematics and Computer Science, 19(2), 1-19

137.   Hassan, A.S., and Nassr, S.G. (2018). The inverse Weibull generator of distributions: properties and applications. Journal of Data Sciences, 16(4), 732-742.

138.   Hassan, A.S., Abd-Alla, M. and Nagy, H.F. (2018). Estimation of P(Y<X) using record values from the generalized inverted exponential distribution. Paskitan Journal of of Statistics&Operation Research, 14(3),645-660.

139.   Hassan, A. S., Abd-Alla, M. and Nagy, H. F. (2018). Bayesian Analysis of Record Statistics Based on Generalized Inverted Exponential Model. International Journal of Advanced Science Engineering and Information Technology, 8(2),323-335.

140.   Hassan, A.S. and Abd-Alla, M. (2018). Exponentiated Weibull-Lomax Distribution: Properties and Estimation. Journal of Data Sciences, 16(2), 275-298

141. Hassan, A.S., Abd-Elfattah, A.M, Hassan, M. M. (2018). Bayesian Analysis for Mixture of Burr XII and Burr X distribution. Far East Journal of Mathematical Sciences, 103(6), 1031-1041

142. Elgarhy, M., Elbatal, I., ul Haq, M. A., Hassan, A.M. (2018). Transmuted Kumaraswamy Quasi Lindley Distribution with Applications. Annals of Data Science, 5(4), 565-581.

143. Hassan, A.S., Elsherpieny, E.A., Mohamed, R.E. (2018). Odds Generalized Exponential-Inverse Weibull Distribution: Properties & Estimation. Pakistan Journal of Statistics&Operation Research, 14(1), 1-22.

144. Hassan, A.S. and Nassr, S.G. (2018). Power Lomax Poisson distribution: Properties and Estimation. Journal of Data Sciences, 16(1), 105-128.

145. Hassan, A. S. and Assar, S. M. (2017).The Exponentiated Weibull-Power Function Distribution. Journal of Data Sciences. 15(4), 589-614.

146. Hassan, A.S. and Abd-Alla, M. and El-Elaa, H. G.A. (2017). Estimation in step stress partially accelerated life test for exponentiated Pareto distribution under progressive censoring with random removal. Journal of Advances in Mathematics and Computer Science, 25(1), 1-16.

147. Hassan, A.S. and Abd-Alla, M. (2017). Exponentiated Lomax Geometric Distribution: Properties and Applications. Pakistan Journal of Statistics &Operation Resarch, 13(3), 545-566.

148. Hassan, A.S., Elgarhy, M., and Shakil, M. (2017). Type II half Logistic family of distributions with applications. Pakistan Journal of Statistics &Operation Research, 13(2), 245-264.

149. Hassan, A.S., Hemeda, S. E., Maiti, S.S. and Pramanik, S., (2017). The generalized additive Weibull-G family of probability distributions. International Journal of Statistics and Probability, 6(5), 65-83.

150. Hassan, A.S., Hemeda, S.E., (2016). The Additive Weibull-G Family of Probability Distributions. International Journals of Mathematics and Its Applications. 4(2), 151-164.

151. Hassan, A.S., Abd-Elfattah, A.M, and. Hussein A.M. (2016). The Complementary Exponentiated Inverted Weibull Power Series Family of

Distributions and its Applications. British journal of Mathematics & Computer Science. 13(2), 1-20.

152. Hassan, A.S. and Elgarhy, M., (2016). Kumaraswamy Weibull-Generated Family of Distributions with Applications. Advances and Applications in Statistics, 48(3), 205-239.

153. Hassan, A.S. and Elgarhy, M., (2016). A new Family of Exponentiated Weibull-Generated distributions. International Journals of Mathematics and Its Applications, 4(1), 135-148.

154. Hassan, A.S., Elbatal, I. and Hemeda, S.E. (2016). Weibull Quasi Lindley Distribution and its Statistical Properties with Applications to lifetime data, International Journal of Applied Mathematics and Statistics 55(3), 63-80.

155. Hassan, A.S., M.S. Assar and Ali, K. A. (2016). The Compound Family of Generalized Inverse Weibull Power Series Distributions. British journal of Applied Sciences & Technology, 14(3), 1-18.

156. Hassan, A.S., M.S. Assar and A. Shelbaia (2016). Optimum Step-Stress Accelerated Life Test Plan for Lomax Distribution with an Adaptive Type-II Progressive Hybrid Censoring. *Journal of Advances in Mathematics and Computer Science*. 13(2), 1-19.

157. Elgarhy, M., Hassan, A.S., and Rashed, M. (2016). Garhy-generated family of distributions with application. Mathematical Theory and Modeling, 6(2), 1-15.

158. Hassan, A.S., Abd-Elfattah, A.M, and. Hussein A.M. (2015). The Complementary Burr III Poisson Distribution. *Australian Journal of Basic and Applied Sciences.* 9 (11), 219-228.

159. Hassan, A.S., Muhammed, H.Z. and Saad, M.S (2015). Estimation of Stress-Strength Reliability for Exponentiated Inverted Weibull Distribution Based on Lower Record Values. British journal of Mathematics & Computer Science. 11(2), 1-14

160. Hassan, A.S., M.S. Assar and Ali, K. A. (2015). Complementary Poisson-Lindley Class of Distributions. *International Journal of Advanced Statistics and Probability*, 3(2), 146-60.

161.   Hassan, A.S., M. S. Assar and M. Yahya (2015). Estimation of P[Y< X] for Burr Type XII Distribution under Several Modifications for Ranked Set Sampling. Australian Journal of Basic and Applied Sciences. 9 (1), 124-140.

162.   Abd-Elfattah, A.M, Hassan, A.S. and Nassar S.G. (2015). Bayesian Estimation Based on

163.   Generalized Order Statistics from Exponentiated Weibull Poisson Model. *International Journal of Advanced Statistics and Probability*, 3(1), 43-52.

164.   Abd-Elfattah, A.M, Hassan, A.S. and Nassar S.G. (2015). Bayesian and Non-Bayesian Prediction Based on Generalized Order Statistics from Exponentiated Weibull Poisson Distribution. Proceeding of the 50th *The Annual Conference On Statistics, Computer Sciences And Operations Research, Institute Of Statistical Studies Research, Cairo University*.

165.   Hassan, A.S., M. S. Assar and M. Yahya (2015). Bayesian estimation of P[Y< X] for Burr Type XII using median ranked set sampling. Proceeding of the 50th *The Annual Conference On Statistics, Computer Sciences And Operations Research, Institute Of Statistical Studies Research, Cairo University*.

166.   Hassan, A.S., M.S. Assar and Zaky, A.N. (2015). Constant-Stress Partially Accelerated Life Tests for Inverted Weibull Distribution with Multiple Censored Data. *International Journal of Advanced Statistics and Probability*, 3(1), 72-82.

167.   Hassan, A.S. , M.S. Assar and M. Yahya (2015). Estimation of Reliability in Multicomponent Stress- Strength Model Following Burr Type XII Distribution under Selective Ranked Set Sampling. International. Journal of Engineering Research and Applications, 5(2), 62-78.

168.   Elsherpieny, E.A, Hassan, A.S. and El Haroun, N. M.(2014). A New Application of the Generalized Probability Weighted Moments for Skew Normal Distribution. *Asian Journal of Applied Sciences* 2(1), 45-53.

169.   Hassan, A.S., A.A. Marwa, Zaher, H, and Elsherpieny, E.A. (2014) Comparison of Estimators for Exponentiated Inverted Weibull

Distribution Based on Grouped Data *International Journal of Engineering Research and Applications.* **4(1), 77-90.**

170.   **Hassan, A.S., M.S. Assar and A. Shelbaia (2014). Multiple-step stress accelerated life for Weibull Poisson distribution with type I censoring. International Journal of Basic and applied Sciences. 3(3), 180-189.**

171.   **Hassan, A.S., M. S. Assar and M. Yahya (2014). Estimation of P[Y< X] for Burr Type XII Based on Ranked Set Sampling Distribution. International Journal of Basic and applied Sciences. 3(3), 274-280.**

172.   **Hassan, A.S., M.S. Assar and A. Shelbaia (2014). Optimum Inspection Times of Step Stress Accelerated Life Tests with Progressively Type I Interval Censored. Australian Journal of Basic and Applied Sciences. 8(17), 282-292.**

173.   **Hassan, A.S. (2013). On the Optimal Design of Failure Step-Stress Partially Accelerated Life Tests for Exponentiated Inverted Weibull with Censoring *Australian Journal of Basic and Applied Sciences* 7(1): 97-104.**

174.   **Hassan, A.S. (2013). Maximum likelihood and Bayes estimators of the unknown parameters for Exponentiated exponential distribution using ranked set sampling. *International Journal of Engineering Research and Applications (IJERA)*, 3(1), 720-725.**

175.   **Hassan, A.S., Elsherpieny, E.A. and Shalaby, R.M. (2013). On the Estimation of *P* (*Y<X<Z*) for Weibull Distribution in the Presence of *k* Outliers. *International Journal of Engineering Research and Applications.* 3(6), 1728-1734**

176.   **Hassan, A.S., Abd-Elfattah, A.M and Nagy, H.F. (2013). Modified Goodness of Fit Tests for the Weibull Distribution Based on Moving Extreme Ranked Set Sampling Proceeding of the 48th *the Annual Conference On Statistics, Computer Sciences And Operations Research Institute Of Statistical Studies Research, Cairo University.***

177.   **Abd-Elfattah, A.M, Hassan, A.S. and. Hussein A.M. (2013) On the Lomax -Poisson Distribution. Proceeding of the 48th The Annual Conference On Statistics, Computer Sciences And Operations Research, Institute Of Statistical Studies Research, Cairo University. 25-39.**

178.   Abd-Elfattah, A.M, Hassan, A.S. and Nassar S.G. (2013) Maximum Likelihood Estimation of the Parameters for the Exponentiated Weibull Poisson Distribution Based on Generalized Order Statistics. Proceeding of the 48th *Annual Conference On Statistics, Computer Sciences And Operations Research, Institute Of Statistical Studies Research, Cairo University*, 40-56.

179.   Hassan, A. S. and Basheikh, H.M. (2012). Reliability estimation of stress-strength model with non-identical component strengths: The Exponentiated Pareto Case. International Journal of Engineering Research and Applications (IJERA) 2(3), 2774-2781.

180.   Hassan, A.S. and Thobety, A. K. (2012). Optimal design of failure step stress partially accelerated life tests with Type II censored inverted Weibull data. *International Journal of Engineering Research and Applications (IJERA)* 2(3), 3242-3253.

181.   Hassan, A.S. (2012). Modified goodness of fit tests for exponentiated Pareto distribution under selective ranked set sampling. *Australian Journal of Basic and Applied Sciences*, 6(1), 173-89.

182.   Hassan, A.S. and Basheikh, H.M. (2012) Estimation of reliability in multi-component stress- strength model following exponentiated Pareto distribution. *The Egyptian Statistical Journal, Institute Of Statistical Studies & Research, Cairo University,* 56(2), 82-95.

183.   Hassan, A.S. Amin, E. A. and Abd-El Aziz1 A.A (2010) Estimation and prediction from inverse Rayleigh distribution based on lower record values. Applied Mathematical Sciences, 4(62), 3057 –3066

184.   Hassan A.S. and Al-Ghamdi A.S. (2009). Optimun step stress accelerated life testing for Lomax distribution. *Journal of Applied Sciences Research* 5(12), 2153-2164

185.   Al-Khodary, E., Hassan A.S. and Allam S.A. (2008). Double censoring partial probability weighted moments estimation of the generalized exponential distribution. *InterStat, Elctronic Journal*, March, no. 1.

186.   Abd-Elfattah, A. M., Hassan A. S. and Nassr, S.G. (2008). Estimation in step-stress partially accelerated life tests for the Burr Type

XII distribution using type I censoring. Statistical Methodology, 5(6), 502-514.

187. Hassan A.S. and Abd El-Aty, S. (2008). Best linear unbiased estimation of order statistics from the gamma distribution using doubly Type-II censoring. *Journal of Faculty of Commerce AL AZHAR University*, 21-38.

188. Hassan A.S. and Al-Sulami, D.(2008). Estimation of P[Y<X] in the case of exponentiated Weibull distribution. *The Egyptian Statistical Journal, Institute Of Statistical Studies & Research, Cairo University* December vol. 52 no 2. 76-95.

189. Al-Khodary, E., Hassan A.S. and Allam S.A. (2007). Self-determinant probability weighted moments method for estimating the parameters of the generalized exponential distribution. *Proceeding of the 1⁹ˢᵗ Annual Conference Statistics and Computer Modeling in Human and Social Sciences, Faculty of Economics and Political Science, Cairo University*. 19, 159-176.

190. Hassan A.S. (2007). Estimation of the generalized exponential distribution parameters under constant-stress partially accelerated life testing using Type I censoring. *The Egyptian Statistical Journal, Institute of Statistical Studies & Research, Cairo University* 51(2), 48-62.

191. Abd-Elfattah, A.M., Hassan A.S. and Ziedan, D.M. (2006). Efficiency of Bayes estimator for Rayliegh distribution *InterStat, Elctronic Journal , July*. no.1.

192. Abd-Elfattah, A.M., Hassan A.S. and Ziedan, D.M. (2006). Efficiency of maximum likelihood estimators under different censored sampling schemes for Rayliegh distribution. *InterStat, Elctronic Journal, March*

193. Hassan A.S. (2005). Partial probability weighted moments estimation for the generalized Pareto distribution. *Journal of Faculty of Commerce AL AZHAR University , 30 , 30-41*

194. Hassan A.S. (2005). Goodness-of-fit for the generalized exponential distribution. *InterStat, Elctronic Journal , July*. N0 . 1.

195.   Hassan A. S. and El-Attar, S. K. (2004). Sampling distribution for biased and unbiased estimates of sample skewness and kurtosis. *Journal of Faculty of Commerce AL AZHAR University* , 29, 33-45.

196.   Hassan A.S. (2004). Sampling distribution for the K-TH order statistics from the generalized Gumbel distribution. *The Egyptian Statistical Journal, Institute Of Statistical Studies   Research, Cairo University*, 48(1), 1-11.

197.   Hassan A.S. and Riad, H.M. (2004). A comparative study for estimators of the three parameter Weibull distribution. *The Annual Conference On Statistics, Computer Sciences And Operations Research, Institute Of Statistical Studies Research, Cairo University* 39, 25-39.

198.   El-Attar, S.K. and Hassan A.S. (2003) Bayesian predication limits for the inverse Gaussian distribution. *Journal of Faculty of Commerce AL AZHAR University Girls Branch*, 22, 1-12.

199.   Elias, S. S. and Hassan A.S. (1989) Cost Analysis of One-Server Two-Unit System with Three Different Modes and Subject to Two Switching Devices. TAMAKNG Journal of MANAGEMENT Sciences, 10(1).

LIST OF Ph.D. & M.Sc. THESES SUPERVISED BY ME
A: Degree Awarded

	1. M.Sc. Academy	
1	A Hybrid Moments Estimators By Hesham Riad (Cairo University)	2005
2	Efficiency of estimators for different censored sampling schemes By: Dalya Mahmoud Ziedan (Cairo University)	2005
3	Estimation of the Generalized Exponential Distribution by the Method of Partial Probability Weighted Moments By: Suzan Allam. (Cairo University)	2007
4	The Estimation Problems of Lifetime Model under Partially Accelerated Life Tests By: Said Gamal Nassr (Cairo university)	2008
5	Bayesian and Non-Bayesian Estimation of P[Y<X] for Exponentiated Weibull distribution By: Dawlat -Sulami (King Abd -Alziz)	2008
6	Optimum Simple Step-Stress Accelerated Life Testing for Some	

	Lifetime Models **By: Amani Alghamdi (King Abd -Alziz University)**	**2009**
7	**Planning Step Stress Accelerated Life Tests for Generalized Exponential Lifetime Model with Censoring** **By: Marimum Khan. (King Abd -Alziz University)**	**2012**
8	**Statistical Inferences and Optimal Design in Step Stress Partially Accelerated Life Tests for the Inverted Weibull Distribution with Censoring** **By: Abeer Khenifis Al-Thobety (King Abd-Alziz University)**	**2012**
9	**Estimation Of System Reliability in Multi-Component Stress-Strength Models Following Exponentiated Pareto Distribution** **By: Heba Mohammed Basheikh (King Abd-Alziz University)**	**2012**
10	**Goodness of fit tests for Weibull Distribution Based on Simple Random samples and Ranked Set samples** **By: Amal (King Abd-Alziz University)**	**2012**
11	**Modified Goodness of Fit Tests Based on Ranked Set Sampling** **By: Heba Fathy Mohamed (Cairo University)**	**April (2014)**
12	**Estimation Problems Concerning Exponentiated Burr Type III Distribution** **By: Mostafa Abdelhamied Mohamed (Cairo University)**	**August (2015)**
13	**Constant-Stress Partially Accelerated Life Tests of Lifetime Model under Censoring** **By: Ahmed Nasser Zaky (Cairo University)**	**July (2015)**
14	**A Compound Class of Lifetime Distributions** **By: Kareem Ahmed Ibrahim Ali (Cairo University)**	**May (2016)**
15	**Estimation Problems for Stress Strength Model through Record Values** **By: Mohamed Salah Esmail (Cairo University)**	**June (2016)**
16	**Moment-Determinate and Indeterminate Probability Distributions** **By: Fatma Mohammed Montaser (Cairo University)**	**November (2016)**
17	**Partially accelerated life testing models based on censoring samples** **By: Hamdey Goma (Cairo University)**	**November (2017)**
18	**On The Odds Of Generalized Exponential Family** **By Rokaya Elmorsy Mohamed(Cairo University)**	**February (2018**
19	**On the inverse Lomax Distribution** **By: Doaa Mohammed Ismail(Cairo University)**	**September (2018)**
20	**On the Power transformation of som probability Distributions** **By: Ahmed Mohamed Abd Elghaffar**	**September (2019)**
21	**Parameters Estimation For Mixture Distributions Through Grouped Data** **By: Eman Al- Saeed Shehata**	**November (2019)**
22	**Estimation of Product Lifetime Performance Index under Censoring Schemes** **By: Amany Selmy Attia Mohamed**	**January (2020)**
23	**On The Inverse Power Lindley Distribution** **By: Asmaa El-sayed Abd-Elrahman(Cairo University**	**August (2020)**

24	On Inverted Probability Distributions By: Randa Ragab Hassan(Cairo University)	October (2020)
25	Reliability Estimation of Some Weighted Distributions Using Censored Samples By: Samah Ahmed Abd Alhamed(Cairo University)	November (2020)
26	On The Generalization of Transmuted Distributions By: Khater Abdelhameed Gadelrab	November (2020)
27	On Inverse Weibull-Generated Family By: Yostina Shehata Morgan	May (2021)
28	New Generalization of Fréchet Distribution By: Mahmoud Mohamed Hamed	October (2021)
29	Parameters Estimation For Pareto-Poisson Distribution By Eman Nedal Mohamed (Cairo University)	October (2021)
30	New Class of Mixture Distributions By: Omina Ibrahim Bagdady Abdul-Moniem (Aswan University)	October (2022)
31	Bayesian Inference for Competing Risks Models under Censoring Schemes By: Rana Mahmoud Moussa Mohamed	June (2023)
32	On Goodness of Fit Tests for Weibull Pareto Distribution By:Hend Farouk Mohamed(Cairo University)	July (2023)
33	The Theory and Application for the New Bounded Probability Distribution By:Asma Mohamed Khalil	May(2024)

(2) Ph.D. Academy

1	Estimation of Reliability in "Stress- Strength" models in the Presence of Outliers By: Rania Shalaby (Cairo University)	April (2014)
2	On Estimation of the Exponentiated Type Distributions Based on Grouped Data By: Marwa Abd-Alha (Cairo University)	August(2014)
3	New Application of Generalized Probability Weighted Moments for Some Distributions By: Neema Mohamed Elharoun(Cairo University)	January(2015)
4	Optimal Design for Some Accelerated Life Tests Plans By: Amira Mohamed Fathy(Cairo University)	June(2015)
5	Estimation Problems for Stress-Strength Model Using Ranked Set Sampling By Marwa Yahya Ramdan (Cairo University)	September (2015)
6	On Mixture of Probability Distributions By: Asmaa Hussein Mokhtar (Cairo University)	October(2015)
7	Bayesian and Non-Bayesian Estimation Based on Generalized Order Statistics for Lifetime Distribution By Said Gamal Nassr Mohammed (Cairo University)	August(2015)

8	**Contributions to a Family of Generated Distributions** **By Mohammed Elghary (Cairo University)**	**October(2017)**
9	**A new family of distributions related to Weibull distribution** **By: Saeed Hemda (Cairo University)**	**October(2017)**
10	**On Generalized Mixture for Burr Family** **By: Maisaa Mohamed Mohamed Hassan**	**April(2018)**
11	**A Contribution to Record Values** **By: Heba Fathy Mohamed Ibrahim Nagy**	**November (2018)**
12	**A Class of Truncated Distributions** **By: Ahmed Mohamed Mahmoud Elsehetry(Cairo University)**	**December (2020)**
13	**On Estimating Entropy For Probability Distributions** **By: Ahmed Nasser Zaky (Cairo University)**	**December (2020)**
14	**A New Family of Probability Distribution and its Application** By: Samah Ali Hessian El-Taweel (Cairo University)	**October (2021)**
15	**Estimation of Parameters for Some Lifetime Distributions in the Presence of Outliers: Bayesian Approach** **By:** Rokaya Elmorsy Mohamed	**July (2022)**
16	**On Ranked Set Sampling and Some of its Recent Modifications** By: Rasha Saber Elshaarawy Elbagoury	**July (2022)**
17	**A New Class of Weighted Distributions** **By: Ahmed Wael Mahmoud(Cairo University)**	**January (2023)**
18	**Reliability Estimation in Multicomponent** **"Stress-Strength" Model** **By: Doaa Mohamed Ismail Ahmed**	**Feburary 2023**
19	**On Uncertainty for Some Probability Distributions** **By: Barea Abdelkariem Helmy** **(Faculty of Science - Al-Azhar University**	**January (2024)**

(3) MBA Professional

1	أثر تطبيق منهجية التصنيع الرشيق في تقليل الفاقد في المؤسسات الانتاجية (دراسة حالة) نادر عادل خليل بدوي	**May(2024)** **الضبط الإحصائي** **وتوكيد الجودة**
2	اهمية الادارة فى رفع كفاءة أداء الشركات الناشئة شريف فوزى فتحى إبراهيم خطاب	**May(2024)** **إدارة المشروعات**

(4) DBA Professional

1	**A Proposed Framework for an Integration between the Guidelines of (NAQAAE) and the Governmental Excellence (An application on Faculties of Alexandria University** **By: Rehab Mohamed Mustafa Shaarawy**	**August (2021)**
2	**Effect of HEdPERF on Students Satisfaction and Academic Performance in Private Egyptian Universities, Mediating Role of Attitude Towards Learning (Application to the Arab Academey for Science, Techonlogy and Maritime Transport)** By: Lamia Hosny Mohamed (Cairo University)	**September (2021)**

3	الهندسية الصناعات مؤسسات آداء تحسين فى ودورها القيمية الهندسة منهجية **Value Engineering Methodology and its Effect in Improving the Performance of Engineering Industry Institutions** **By: Amr Abdelaziz Elsayed Abdalla**	**Dec. (2022)**
4	إطارمقترح لدراسة الأبعادالمكونة للتحول الرقمي فى قطاع الرعاية الصحية في مصر **A Proposed Framework for Studying the Dimensions of Digital Transformation in Healthcare Sector in Egypt** **By: Ahmed Atef Mohamed Rashad Abdelrazek**	**May (2023)** إدارة المشروعـــات
5	أثر تطبيق التقنيات الحديثة المتطورة علي تحسين أداء سلاسل الامداد بالمنظمات (دراسة حالة) **The Impact of the Application of Advanced Modern Technologies on Improving the Performance of Supply Chains (Case Study)** **By** Mai Fekry Alkhawas Shehata	**May(2023)** إدارة المشروعـــات (جامعة القاهرة)
6	تأثير الولاء التنظيمي على الاستبقاء الوظيفي في قطاع المقاولات **The Effect of Organizational Loyalty on Job Retention in the Contracting Sector** **By Abeer Fouad Agami Agami**	**June (2024)** إدارة الموارد البشرية
7	التحليل المكاني لتخطيط شبكة الغاز الطبيعى باستخدام نظم المعلومات الجغرافية(دراسة حالة) **Spatial Analysis of Natural Gas Network Planning Using Geographic Information Systems(Case Study)** **By: Sayed Ahmed Sayed Ahmed**	**July (2024)** إدارة المشروعات
8	دور وسائل التواصل الاجتماعي في إدارة ازمات الاعاقة دراسة حالة **The Role of Social Media in Managing Disability Crises Case Study**	**Aug (2024)** إدارة الازمات والمخاطر
9	فاعلية أنظمة الذكاء الإصطناعي في إنفاذ القانون أثناء الأزمات **The Effectiveness of Artificial Intelligence Systems in Law Enforcement During Crises**	**Sep (2024)** إدارة الازمات والمخاطر

B: In Progress

	1. M.Sc. THESES	
1	**A New Class of Compound distributions: Theory and Application** **By: Amany Gameel Ahmed Mohamed** **Faculty of Science - Al-Azhar University**	**2022**
2	**On Goodness of Fit Tests for Exponentiated Half-Logistic Distribution Based on Censored Samples** **By: Kholoud Khaled Elsayed Mohamed**	**2022**
3	**On Trigonometric Transformations of Statistical Distributions** **By: Omar Adel Saudi**	**2022**

In Progress

	Ph.D. Thesis	
1	**Efficient Estimation for Some Probability Density Functions** **By: Kareem Ahmed Ibrahim Ali(Cairo University)**	**2017**
2	**Statistical Inference for Lifetime Performance Index Based on**	**2019**

	Generalized Order Statistics By: Ahmed Mohamed Abdelmaksoud Felifel	
3	**On Reliability Estimation of Stress-Strength Models for Some Lifetime Distributions By:Sara Moheb Abdel Hamid Osman Faculty of Science - Al-Azhar University**	**2021**
4	**Bayesian and Non-Bayesian Estimation of Some Entropy Measures Based on Record Values By Randa Ragab Hassan**	**2022**
5	**Bayesian Inference for Accelerated Life Tests Based on Censoring Schemes By Omar Huseein Serry Mahmoud (Faculty of Commerce - Al-Azhar University)**	**2022**
6	**On Analysis and Estimation of Some Stress Strength Models Based on Record Values By Mary Botros AbdEl-Maseh Gerges**	**2022**
7	**Contributions to Lifetime Modelling based on Censored Schemes By Wesal Emhemed Ramadhan Aghel**	**2022**
8	**Statistical Inference and Application for New Truncated Distributions based on Progressive Censoring Samples By Mohammed Abd Ellattif Mahmoud Ali Elgarhy (Faculty of Science-Beni-Suef University)**	**2022**
9	**Bayesian Approach for Some Probability Distributions Under Ranked Set Sampling Methods By Samah Ahmed Abd Alhamed Atia**	**2023**
10	**Contributions to Some Stress-Strength Models in the Presence of Outliers By Yostina Shehata Morgan Shehata**	**2023**
11	**On "Stress-Strength" Reliability Models under Partially Accelerated Life Tests By: Ahmed Mohamed Abdelghaffar Sayed Ahmed**	**2023**
12	**On Block Procedure under Some Censoring Sampling Schemes By:Sameh Awad Abd-Elraouf Morsy**	**2024**

بعض رسائل الماجستير والدكتوراة التى تم مناثشتها

1	Parameter Estimation of Generalized Extreme Value Distribution under Censored Samples	(2013) M.Sc. Cairo University
2	**On the Estimation for Parameters of Burr Type III Distribution in The Presence of Outliers By: Said-El Sayed Hemida Abd-Alha**	**(2014) M.Sc. Cairo University**
3	**Contribution to a Class of Bivariate distribution By: Yasser Mohamed Amer**	**(2015) Ph.D. Cairo University**
4	**On Some Distributions Related to Lindley distributions By Mohammed Abd Ellattif Mahmoud Ali Elgarhy**	**(2015) M.Sc. Cairo University**
5	**McDonaland-Generalized Linear Failure Rate distriburion**	**M.Sc. Cairo**

		University
6	**Parameters Estimation of the Complementary Burr III Poisson Distribution under Censored Samples** **By Nader Mohammed Abd-Alla**	**(2018)M.Sc. Cairo University**
7	**|Parameter Estimation of Bivaiate Models under Some Censoring Schemes** **By: Ehab Almetwally**	**(2019) M.Sc. Cairo University**
8	**On Mixture Of Some Weighted Distributions with Applications** **By: Mona Abdelghafour Metwalli**	**(2019) Ph.D. Banha University**
9	**Extending Kumaraswmay Family of Generalized distribution** **By Mohammed Ali**	**(2016) Ph.D. Cairo University**
10	**On A New Exponential Type Lifetime Distribution**	**(2018) M.Sc. Cairo University**
11	**Parameters estimation of Burr type III distribution under Step stress –accelerated Life Testing with Censoring Schemes** **By: Saeed Hemda**	**(2021)M.Sc. Cairo University**
12	**An Optimal Preventive Maintaince and Warranty Policieis with cost**	**(2021)M.Sc. Cairo University**
13	أثر تطبيق إدارة السلامة فى تقليل حوادث النقل بالسكك الحديدية بالتطبيق على الهيئة القومية لسكك حديد مصر	(2021)ماجستير ادارة أعمال (جامعة القاهرة)
14	دور التنبؤ فى الحد من الازمات والمخاطر فى مجال الكهرباء **The role of forecasting in reducing crises and risks in the field of electricity**	(2022) ماجستير الضبط الاحصائى وتوكيد الجودة (جامعة القاهرة)
15	تطبيق اساليب التحسين المستمر لتحسين اداء المؤسسات الصناعية (دراسة حالة) **Application of Continuous Improvement Methods for the Performances of the Industrial Organszization**	(2022) دكتوراة الضبط الاحصائى وتوكيد الجودة (جامعة القاهرة)
16	دور ادارة الجودة الشاملة فى تحسين أداء الشركات (جراسة تطبيقية على الشركات الصناعية **The Role of Total Quality Mangement in Improving Corporate Performance (An Applied Study on Industrail Compines** **By Sherif Abd Elfattah Nassar**	(2022) ماجستير الضبط الاحصائى وتوكيد الجودة (جامعة القاهرة)
17	انشاء ادارى متكامل للسيارات IMAS ودراسة تاثيره على اداء الشركات المصنعة للسيارات **Establishing an Integrated Automotive Mangement System IAMS and Studying its Implact Performance of Automotive Manfacturer** **By Sally Ahmed Omer**	(2022)ماجستير الضبط الاحصائى وتوكيد الجودة (جامعة القاهرة)
18	تقديرمعالم بعض التوزيعات المرجحة **Parameter Estimation of Some Weighted Distributions** **By** مروة محمد سلامة عبد السلام	(2022) ماجستير الإحصاء (جامعة القاهرة)
19	**Determinants of Vaccination Delay Using Survival Analysis with Chang Points Approach** محددات تاخير التطعيم باستخدام نهج تحليل البقاء قى وجود نقاط بسنت ممدوح شرقاوى	(2022) ماجستير الإحصاء كلية سياسة واقتصاد (جامعة القاهرة)
20	**Progressive censoring Type-II Stepwise under Mixture distribution and its Applications**	(2022) ماجستير الإحصاء (جامعة القاهرة

	By الرقابة التدريجية المرحلية من النوع الثانى تحت التوزيع المختلط وتطبيقاته حسناء حمدى ابراهيم شوشه	
22	أثر اعتماد اللجنة الدولية المشتركة على أداء المستشفيات (دراسة حالة) **The Impact of joint Commision International (JCI)** **Accredditation on Hosiptal Performance (Case Study)** **By Doaa Mohamed Hassan Mohamed**	دكتوراة الضبط (2023) الاحصائى وتوكيد الجودة (جامعة القاهرة)
23	التوافق بين مواصفات الايزو (ايزو 14001& 50001) واهداف الامم المتحدة للتنمية المستدامة فى المنظمات الصناغية بمصر **The Conordance between ISO Standars (ISO 14001 & ISO** **50001) and Unied Nation Goals for the Sustainable** **Development in the Industrial Organizations in Egypt**	دكتوراة الضبط (2023) الاحصائى وتوكيد الجودة (جامعة القاهرة)
24	تاثير الاعتماد فى المعامل الطبية على ادارة علاقات العملاء والاداءفى مصر **Accreditation Impact on Enhancing Customer Relationship** **Management and the Organlzational Performance in Egypt** **(Case Study)**	دكتوراة ادارة المشروعات(2023)

List of Term Papers Supervised By Me

1. Exponentiated exponential distribution.
2. Skewness and Kurtosis measures.
3. Direct Sample estimators of L- moment.
4. The generalized gamma distribution.
5. Exponentiated Frechet distribution.
6. Goodness of fit for the Skew normal distribution.
7. Comparison of estimation methods for Weibull parameters: complete and censored.

الدورات التى تم اجتيازها:

2. طرق حديثة فى التدريس.	1. دورة تقييم التدريس
4.مهارات العرض الفعال.	3. مهارات الاتصال الفعال.
6. اتخاذ القرارات وحل المشكلات	5. مهارات التفكير.
8. الاختبارات الالكترونية.	7. نظام التعليم الالكترونى ونظام الفصول الافتراضية
10. نظم الامتحانات وتقويم الطلاب	9. ادارة الوقت والاجتماعات.
12. أخلاقيات البحث العلمى.	11. نظم الساعات المعتمدة.
14. التخطيط الاستراتيجى.	13. الجوانب المالية والقانونية فى الاعمال الجامعية.