

## CURRICULUM VITAE

### PERSONAL DATA

<b>Name</b>	IBRAHIM IAHIM ELSAYED ELBATAL
<b>Nationality</b>	EGYPT
<b>Position</b>	Professor
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### EDUCATION

Year	Academic Degree	Institution
2015 – Up to now	Professor	Department of Mathematics and Statistics, Imam Mohammad Ibn Saud Islamic University, Saudi Arabia
2012-2015	Professor	Department of Mathematical Statistics-Institute of Statistical Studies and Research, (ISSR). Cairo University
2009- 2012	Assistant Professor	Department of Mathematical Statistics- Institute of Statistical Studies and Research, (ISSR). Cairo University
2005-2009	Associate Professor	Department of Statistics and Operations Research, College of Science, King Saud University, Riyadh, Saudi Arabia
2000-2005	Lecturer	Department of Mathematical Statistics, Institute of Statistical Studies and Research (ISSR). Cairo University

### WORK EXPERIENCE

Period	Position	Address
2015 -2023	Professor	Imam Mohammad Ibn Saud Islamic University, KSA
2009-2012	Associate Professor	Cairo University, Egypt
2005-2019	Associate Professor	King Saud University

### RESEARCH INTERESTS

Stochastic ordering, Theory of Distributions, Order Statistics, Reliability Theory

## PUBLICATIONS

### 2022

- 1- Elbatal, N. Alotaibi, S. Alyami, M. Elgarhy and A. El-Saeed. **Bayesian and Non-Bayesian Estimation of the Nadarajah–Haghighi Distribution: Using Progressive Type-1 Censoring Scheme**. Mathematics, 10, 1- 16.
- 2- Elbatal, N. Alotaibi, E. Almetwally , S. Alyami, and M. Elgarhy. **On Odd Perks-G Class: Properties, Regression model, Discretization, Bayesian and Non Bayesian Estimation and Applications**. Symmetry, 14 (5) , 1-29.
- 3- N. Alotaibi , I.Elbatal , E. Almetwally , S. Alyami 1 , A.Al-Moisheer and M.Elgarhy. **Truncated Cauchy Power Weibull-G Class of Distributions: Bayesian and Non-Bayesian Inference Modelling for COVID-19 and Carbon Fiber Data**. Mathematics, 10(9), 1- 25.
- 4- M. Shrahili , R. El-Saeed, A. Hassan, I.Elbatal , and M.Elgarhy. **Estimation of Entropy for Log-Logistic Distribution under Progressive Type II Censoring**. Journal of Nanomaterials Volume 2022, Article ID 2739606 , 1-10.
- 5- N. Alotaibi, I. Elbatal , Igor V. Malyk and M. Elgarhy. **A New Compound Lifetime Model With Medical Applications**. Advances and Applications in Statistics. V(73), 121-137.
- 6- A Al-Babtain, I Elbatal, EM Almetwally. **Bayesian and Non-Bayesian Reliability Estimation of Stress-Strength Model for Power-Modified Lindley Distribution**. Computational Intelligence and Neuroscience. V(2022), 1-21.
- 7- N Alotaibi, I. Al-Dayel, I. Elbatal, M. Ezzeldin, M. Elgarhy and K. Al-karawi. **Statistical Analysis of Covid -19 Pandemic in Saudi Arabia**. Advances and Applications in Statistics. V(74) , 107- 118.
- 8- Al-Dayel, N. Alotaibi, I. Elbatal, K. Aidi and A.Hassan. **Modeling to Covid-19 Data in Saudi Arabia Using: A New XGAMMA Model**. Advances and Applications in Statistics. V(74), 145-166.
- 9- M. Shrahili , A. Hassan , I. Elbatal , E. Almetwally and Anis . Ghorbal . **Alpha Power Moment Exponential Model with Applications to Biomedical Science**. Scientific Programming .V(2022), Article ID 6897405, 1-14.
- 10- Elbatal, N. Alotaibi, I. Al-Dayel and A. Shawki. **Statistical analysis of COVID-19 data in Kingdom of Saudi Arabia using: sine modified Weibull model**. JP Journal of Biostatistics. V(20), 11-26.
- 11- Rania A , A. Al-Babtain , I . Elbatal , E. Almetwally and H. Almongy. **Classical and Bayesian Inference of Marshall-Olkin extended Gompertz Makeham Model with Modeling of Physics Data**. Journal of Mathematics. V(2022), Article ID 2528583, 1-14 .
- 12- S. Alyami , M. Girish , I.Elbatal, N. Alotaibi and M. Elgarhy. **Type II Half-Logistic Odd Fréchet Class of Distributions: Statistical Theory and Applications**. Symmetry. 14 (6) , 1-21
- 13- Q. Khan, H. Garg, A. Al-Babtain, I Elbatal, M and Elgarhy. **A Novel MAGDM Approach Based on Cubic-Rung Orthopair Fuzzy Power Generalized Maclaurin Symmetric Mean Operator**. Journal of Function Spaces.
- 14- I Elbatal, GAMZE Ozel, S Cakmakyapan. **Odd extended exponential-G family: Properties and application on earthquake data**. Journal of Statistics and Management Systems.1-15.

- 15- M. Shrahili , R. El-Saeed, A. Hassan, I.Elbatl , and M.Elgarhy. ***Estimation of Entropy for Log-Logistic Distribution under Progressive Type II Censoring***. Journal of Nanomaterials Volume 2022, Article ID 2739606 , 1-10.
- 16- N. Alotaibi, I. Elbatl , Igor V. Malyk and M. Elgarhy. ***A New Compound Lifetime Model With Medical Applications***. Advances and Applications in Statistics. V(73), 121-137.
- 17- A Al-Babtain, I Elbatl, EM Almetwally. ***Bayesian and Non-Bayesian Reliability Estimation of Stress-Strength Model for Power-Modified Lindley Distribution***. Computational Intelligence and Neuroscience. V(2022), 1-21.
- 18- N Alotaibi, I.Al-Dayel, I. Elbatl, M. Ezzeldin, M. Elgarhy and K. Al-karawi. Statistical Analysis of Covid -19 Pandemic in Saudi Arabia. Advances and Applications in Statistics. V(74) , 107- 118.
- 19- Al-Dayel, N. Alotaibi, I. Elbatl, K. Aidi and A.Hassan. ***Modeling to Covid-19 Data in Saudi Arabia Using: A New XGAMMA Model***. Advances and Applications in Statistics. V(74), 145-166.
- 20- I.Al-Dayel , M. Alshahrani, I. Elbatl, N Alotaibi , W. Shawki, and M. Elgarhy . ***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 Volume 2022, Article ID 2066787, 11 pages
- 21- Mohamed, R. Elbatl, I.; Almetwally, E.; Elgarhy, M.; Almongy, H. ***Bayesian Estimation of a Transmuted Topp -Leone Length Biased Exponential Model Based on Competing Risk with the Application of Electrical Appliances***. Mathematics 2022, 10, 1-23.
- 22- Girish .M , I.Elbatl and Hatem . Semary. ***A new generalization of Weibull distribution: theory and applications***. Journal of Advances and Applications in Statistics.
- 23- Alyami, S.A.; Elbatl, I.; Alotaibi, N.; Almetwally, E.M.; Okasha, H.M.; Elgarhy, M. ***Topp-Leone Modified Weibull Model: Theory and Applications to Medical and Engineering Data***. Journal of Applied Science. 12, 1-34.
- 24- Zavar H , M.Elgarhy I. Elbatl, Safar M., and Zubair. A. ***On new modified inverse Weibull distribution: statistical inference under censored schemes***. Journal of Advances and Applications in Statistics , 81, 53-69.
- 25- Alotaibi, N.; Elbatl, I.; Almetwally, E.M.; Alyami, S.A.; Al-Moisheer, A.S.; Elgarhy, M. ***Bivariate Step-Stress Accelerated Life Tests for the Kavya–Manoharan Exponentiated Weibull Model under Progressive Censoring with Applications***. Symmetry , 14, 1-31.

## 2021

- 26- I. Elbatl. ***A new lifetime family of distributions: Theoretical developments and analysis of COVID 19 data*** . Results in Physics. 31,1-15.
- 27- M Shrahili, I. Elbatl, and H .Yousof. ***Asymmetric Density for Risk Claim-Size Data: Prediction and Bimodal Data Applications***. Symmetry 13 (12), 2357.
- 28- I. Elbatl and Naif Alotaibi. ***Modelling to Engineering Data Using a New Class of Continuous Models***. Journal of Function Spaces. V(2021), Article ID 1148618, 1-12.
- 29- M. Shrahili, I. Elbatl, and Waleed Almutiry. ***Estimation of Sine Inverse Exponential Model under Censored Schemes***. Journal of Mathematics V(2021), ID 7330385, 1-9.
- 30- R.Bantan, C. Chesneau, F Jamal, I .Elbatl,and M Elgarhy. ***The truncated burr XG family of distributions: Properties and applications to actuarial and financial data***. Entropy, 23(8),1-24.

- 31- A Al-Babtain, I Elbatal, C Chesneau, M Elgarhy. **Estimation of different types of entropies for the Kumaraswamy distribution**. Plos one. 16 (3) ,1-21.
  - 32- Al-Babtain, I. Elbatal, H. Al-Mofleh, A. Gemeay, A. Afify, and A. Sarg. The Flexible Burr X-G Family: Properties, Inference, and Applications in Engineering Science. Symmetry , 13, 474 , 1-27.
  - 33- Abdulhakim A. Al-Babtain , A. S. Hassan , I.Elbatal , A. Zaky , and M. Elgarhy. **Dynamic cumulative residual Rényi entropy for Lomax distribution: Bayesian and non-Bayesian methods**. Journal of AIMS Mathematics, 6(4): 3889–3914.
  - 34- Elbatal and A. Aldukeel. On Erlang Truncated Exponential distribution: Theory and Application. Pakistan Journal of Statistics and Operation Research. V(17)1 , 155-168.
  - 35- M. EL-Morshedy, F. Alshammari, A. Tyagi, I.Elbatal. **Bayesian and Frequentist Inferences on a Type I Half-Logistic Odd Weibull Generator with Applications in Engineering**. Entropy 23, 30
  - 36- M. Algarni , A. Almarashi, I. Elbatal , A.Hassan. **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. V(2021), ID 5461130, 1-21.
  - 37- Elbatal, S, Çakmakyapan, G. Özel. Alpha Power Odd Generalized Exponential Family of Distributions: Model, Properties and Applications. Gazi University Journal of Science.
  - 38- M. Shrahilia , I. Elbatal,, Isyaku Muhammad. **Properties and applications of beta Erlang-truncated exponential distribution**. Journal of Mathematics and Computer Science 22, 21
  - 39- M. Shrahili and I. Elbatal and M Elgarhy. **Sine Half-Logistic Inverse Rayleigh Distribution: Properties, Estimation and Applications in Biomedical Data**.Journal of Mathematics. V(2021), ID 4220479,1-10.
  - 40- M. Shrahili and I. Elbatal. **Truncated Cauchy Power Odd Fréchet-G family of distributions. Theory and Applications**, Complexity, Volume 2021
  - 41- A.Al-Moisheer,I. Elbatal, W. Almutiry and M Elgarhy. **Odd Inverse Power Generalized Weibull Generated Family of Distributions: Properties and Applications**. Journal of Mathematical Problems in Engineering. Volume 2021, Article ID 5082192, 1-17.
  - 42- M Shrahili, I Elbatal, I Muhammad, M Muhammad. **Properties and applications of beta Erlang-truncated exponential distribution** J. Math. Comput. Sci.(JMCS) 22, 16-37
  - 43- I Elbatal, M Elgarhy, BMG Kibria. Journal of Statistical Theory and Applications 20 (2), 340-354
  - 44- A Al-Babtain, A Hassan, AN Zaky, I Elbatal, M Elgarhy.**Dynamic cumulative residual Rényi entropy for Lomax distribution: Bayesian and non-Bayesian methods**. AIM Math (6) 4, 3889-3914
  - 45- A Al-Babtain, I Elbatal, C Chesneau, M Elgarhy. **On a new modeling strategy: The logarithmically-exponential class of distributions**. AIMS Mathematics 6 (7), 7845-7871
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- 46- Abdulhakim A Al-babtain, I .Elbatal, H.Yousof. **A new three parameter Fréchet model with mathematical properties and applications**. Journal of Taibah University for Science.V(14)1, 265–278
  - 47- 26-Abdulhakim A Al-babtain, I Elbatal, Haitham M Yousof. **A New Flexible Three-Parameter Model: Properties, Clayton Copula, and Modeling Real Data**. Symmetry. 12, 440, 1-17.



- 48- Maha A Aldahlan, F.Jamal, Christophe Chesneau, M. Elgarhy, I. Elbatal. ***The Truncated Cauchy Power Family of Distributions with Inference and Applications***. 22, 346, 1-24.
- 49- Maha A Aldahlan, F.Jamal, Christophe Chesneau, M Elgarhy, I. Elbatal . ***Exponentiated power generalized Weibull power series family of distributions***: Plos one. V(20), 1-25.
- 50- Majdah M Badr, I.Elbatal, Farrukh Jamal, Christophe Chesneau, M.Elgarhy . ***The Transmuted Odd Fréchet-G Family of Distributions: Theory and Applications***. Mathematics . 8, 958, 1-20.
- 51- Ahmed Z. Afify, Devendra Kumar and I. Elbatal. ***Marshall–Olkin Power Generalized Weibull Distribution with Applications in Engineering and Medicine***. Journal of Statistical Theory and Applications V(19)2, 223–237
- 52- I.Elbatal .***The Odd Log-Logistic Poisson Inverse Rayleigh Distribution: Statistical Properties and Applications***. Pak.j.stat.oper.res. V(16) 4,775-787
- 53- Said Alkarni, A.Afify, I Elbatal, M Elgarhy. ***The Extended Inverse Weibull Distribution: Properties and Applications***. Complexity , Volume 2020, 1-11
- 54- Abdulhakim A Al-Babtain, I.Elbatal, Christophe Chesneau, F. Jamal. ***Box- Cox Gamma - G Family of Distributions: Theory and Applications*** . Mathematics , 8,1801, 1-24.
- 55- Abdulhakim A Al-Babtain, I.Elbatal, Christophe Chesneau, F. Jamal .***The Transmuted Muth Generated Class of Distributions with Applications***. Symmetry , 12, 1677, 1-18.
- 56- Abdulhakim A Al-Babtain, I.Elbatal, Christophe Chesneau and M Elgarhy. ***Sine Topp-Leone-G family of distributions: Theory and applications***. Open Physics. 18(1), 574-593.
- 57- Elbatal and M. Elgarhy. Extended Marshall-Olkin Length Biased Exponential Distribution: Properties and Application. Advances and Applications in Statistics. V(64)1, 113-125
- 58- Elbatal and M. Elgarhy . A New Generalization of Erlang-Truncated Exponential Distribution: Properties and Applications. Advances and Applications in Statistics. V(64)1, 63-74

#### 2019

- 59- Abdus Saboor, Muhammad Nauman Khan,| Gauss M. Cordeiro,| I.Elbatal and Rodrigo R. Pescim. ***The Beta Exponentiated Nadarajah – Haghghi Distribution: Theory , Regression and Application***. Math. Slovaca 69 (2019), No. 4, 939-952.
- 60- Mohammed Elgarhy, I. Elbatal, Gholam Hamed and Amal Hassan. ***On the Exponentiated Weibull Rayleigh Distribution***. GU J Sci 32(3): 1060-1081
- 61- Elbatal and Mohamed G. Khalil . A New Extension of Lindley Geometric Distribution and its Applications. Pak.j.stat.oper.res. Vol.XV No.2, 249-263
- 62- Elbatal , Z. Ahmad , M. Elgarhy and A.M. Almarashi. A New Alpha Power Transformed Family of Distributions: Properties and Applications to the Weibull Model. Journal of Nonlinear Science and Applications. V(12) 1 , 1-20 .
- 63- M. Elgarhy, Vikas Kumar Sharma and I. Elbatal. ***Transmuted Kumaraswamy Lindley distribution with application***. Journal of Statistics and Management Systems. V(21)6, 1083–1104.
- 64- I. Elbatal , M. Elgarhy , A.M. Almarashi and M.Ahsanul Haq. ***Type I Half Logistic Power Lindley Distribution With Applications*** . Far East Journal of Mathematical Sciences. V(111) 1, 37 - 54

#### 2018

- 65- Elbatal, Francisco Louzada and Daniele CT Granzotto . A New Lifetime Model: The Kumaraswamy Extension Exponential Distribution . Journal of Biostatistics and Bioinformatics. V (2)1, 1-9 .
- 66- M. Elgarhy, I.Elbatal and Vikas Kumar Sharma. ***Transmuted Kumaraswamy Lindley distribution with application*** .Journal of Statistics and Management Systems. V(21) 6 , 1083–1104.
- 67- Abdullah Aljouiee , I. Elbatal and Hazem Al-Mofleh . ***A New Five - Parameter Lifetime Model: Theory and Applications*** .Pakistan Journal of Statistics and Operation Research . V(XIV) 2 , 403-420.
- 68- M. Elgarhy, I. Elbatal Ahsan ulHaq and Amal S. Hassan. ***Transmuted Kumaraswamy Quasi Lindley Distribution with Applications*** .Journal of Annals of Data. Science. V(5) 4 , 565–581 .
- 69- Elbatal, C.T.Daniele and F. Louzada . The Beta Exponentiated Weibull Geometric Distribution: Modeling, Structural Properties, Estimation and an Application to a Cervical Intraepithelial Neoplasia Data set. Revista Brasileira de Biometria, Lavras, MG, V(36) 4, 942- 967

#### 2017

- 70- Elbatal and Aryal .G . A new generalization of the exponential Pareto Distribution. Journal of Information & Optimization Sciences .V( 38) 5, 675–697
- 71- I.Elbatal ,Yehia M. El Gebaly and Essam A. ***The Beta Generalized Inverse Weibull Geometric Distribution and its Applications***. Pakistan Journal of Statistics and Operation Research .V(XIII )1 ,75- 90.
- 72- Elbatal ,Zayed.M , Rasekh.M and Nadeem.B . The Exponential Pareto Power Series Distribution. Theory and Applications. Pakistan Journal of Statistics and Operation Research .V(XIII )3 ,603- 615

#### 2016

- 73- Elbatal, Kayid, M., and Merovci . A New Family of Generalized Quadratic Hazard Rate Distribution With Applications. Journal of Testing and Evaluation . V(44) 4, 1733-1744.
- 74- Elbatal and Broderic.O. Beta Linear Failure Rate Geometric Distribution with Applications. Journal of Data Science, V(14), 317-346.
- 75- Elbatal and L.S. Diab . A new generalization of exponentiated Frechet distribution. International Journal of Reliability and Applications. V(17) 1, 63- 82 .
- 76- Abdus Saboor ,I. Elbatal and G. M. Cordeiro. ***The Transmuted Exponentiated Weibull Geometric Distribution: Theory and Applications***. Hacettepe Journal of Mathematics and Statistics. V(45) 3, 973-987.(ISI)
- 77- Elbatal, L.S. Diab and M. Elgarhy. Exponentiated Quasi Lindley distribution. International Journal of Reliability and Applications. V(17) 1, 63- 82.
- 78- Elbatal and N.Feroze . Beta Exponentiated Gamma Distribution. Pakistan Journal of Statistics and Operation Research .VXII, N(1)- 141-154.
- 79- Elbatal, M. Mansour and M. Ahsanullah. The Additive Weibull-Geometric Distribution: Theory and Applications. Journal of Statistical Theory and Applications, V(15) 2 , 125-141.
- 80- Elbatal, C. Francesca and F. Domma. Reflected Generalized Beta Inverse Weibull Distribution: Definition and Properties. <https://doi.org/10.48550/arXiv.1309.610>.

81- I.Elbatal, Yehia.M and Essam A. **An extended power Lindley distribution and its application.** Afrika Statistika Vol. 11(2), 1075-1093.

### 2015

82- Aryal .G and I. Elbatal. **Kumaraswamy Modified Inverse Weibull Distribution: Theory and Application.** Journal of Applied Mathematics & Information Sciences, V(9) 2, 1-10

83- I.Elbatal ,G. Asha and C. J. Rejeesh. **Further Results on discrete mean Past lifetime.** Communications in Statistics Theory and Methods . V(45) 4, 1081-1098

84- Elbatal, and F. Merovci. Weibull Rayleigh Distribution. Theory and Application. Journal of Applied Mathematics & Information Sciences, 9, No. 5, 1-11

85- Al-babtain , I.Elbatal , and F. Merovci **The McDonald exponentiated gamma distribution and its statistical properties.** SpringerPlus, 4:2, 1-27.(ISI)

86- F. Merovci and I.Elbatal. **Beta Quadratic Hazard Rate Distribution.** Pakistan Journal of Statistics .V(31)5, 427-446

87- Elbatal and Aryal . On the Exponentiated Generalized Modified Weibull Distribution. Communications for Statistical Applications and Methods.V(22) 4, 333–348

88- Elbatal and F.Merovci . A New Generalized of Linear Exponential Distribution: Theory and Application. Journal of Statistics Applications & Probability Letters.V(2)1, 1-14.

89- F.Merovci, I. Elbatal and L. Puka. **The McDonald Quasy Lindley Distribution and Its Applications.** Journal of Acta Universitatis Apulensis. 42 ,87-105

90- M. Kayid ,A. Ammoh , I. Elbatal and H. Okasha. **A New Family of Quadratic Hazard Rate-Geometric Distributions with Reliability Applications.** Journal of Testing and Evaluation . V(44) 5, 1937-1948

91- Elbatal, Hiba Z. Muhammed and Alaa Ahmed. A New Class of Extension Exponential Distribution: Properties and Application. International Journal of Applied Engineering Research Volume 10, Number 6 , 14497-14514

92- Abdu Saboor, I. Elbatal and Muhammad N. Khan, **A beta exponentiated Nadarajah-Haghighi distribution with a meteorological application.** Mathematica Slovaca. 69(4):939-952

93- Elbatal and F.Merovci. Transmuted Weibull Geometric Distribution and its applications. Scientia Magna International Journal. V(10) 1, 68- 82.

94- Elbatal, A. Asgharzadeh and F. Sharaf. A New Class of Generalized Power Lindley Distribution. Journal of Applied Probability and Statistics. V(10) 2, 89-116

### 2014

95- F.Merovci, I. Elbatal, and A. Abdul-Aziz. **Transmuted Generalized Inverse Weibull Distribution.** Austrian Journal of Statistics . V( 43)2, 119-131.

96- Elbatal and H. Z Muhammed. Exponentiated Generalized Inverse Weibull Distribution. Journal of Applied Mathematical Sciences, V(8) 81, 3997 – 4012

97- Elbatal and . F. Merovci. A Note on a Generalization of the Exponentiated Pareto Distribution. Journal of Economic Quality Control . V(29) 1, 77–87.

98- F.Merovci and I. Elbatal. Transmuted Lindley-Geometric Distribution and its Applications. Journal of Statistics Applications and Probability. V(3) 1, 77-91.

99- F.Merovci and I. Elbatal. Transmuted Weibull Geometric Distribution and its applications. Scientia Magna International Journal. V(10) 1, 68- 82.

- 100- I. Elbatal and A. Kareem . Statistical Properties of Kumaraswamy Exponentiated Lomax distribution. Journal of Modern Mathematics and Statistics. V(8)1, 1-7.
- 101-I.Elbatal and G. Asha. Transmuted Exponentiated Fr êchet Distribution: Properties and Applications. Journal of Statistics Applications & Probability. V(3) 3, 379-394.
- 102-Min Wang and I. Elbatal. Modified Weibull Geometric Distribution. Metron. DOI10.1007/s40300-014-0052-1
- 103-I. Elbatal and Abdulhakim A. Al-Babtain. Stochastic Orders of Past Lives based on Moment Generating Function Order . Journal of Statistics Applications and Probability Letters. V(1)2, 1-7 .

### 2013

- 104-Elbatal and M.Ahsanullah. Preservation of Classes of Discrete Distributions Under Reliability Operations. Journal of Statistical Theory and Applications . V (12), No (1), 1-10
- 105-Elbatal and M. Elgarhy .Transmuted Quasi Lindley Distribution: A Generalization of the Quasi Lindley Distribution. International Journal Pure Applied Science Technology. V(18)2 , 59-70.
- 106-I.Elbatal, M. Faton , and M. Elgarhy. A new generalized Lindley distribution. Mathematical Theory and Modeling. V(3)13, 30-47.
- 107-I.Elbatal and GokarnaAryal . On the Transmuted Additive Weibull Distribution. Austrian Journal of Statistics . V(42)2, 117–132
- 108-Elbatal and M. Elgarhy. Statistical Properties of Kumaraswamy Quasi Lindley Distribution . International Journal of Mathematics Trends and Technology. V(4)10 ,237-246.
- 109-Elbatal . Kumaraswamy Generalized Linear Failure Rate Distribution. Indian Journal of Computational and Applied Mathematics. V(1)1, 61-78.
- 110-I.Elbatal. Transmuted Modified Inverse Weibull Distribution. International Journal of Mathematical Archive. V(4)8,117-129.
- 111-Elbatal. The Kumaraswamy Exponentiated Pareto Distribution. Economic Quality Control. V(28)1, 1–8 .
- 112-I.Elbatal, L.S. Diab and N.A.AbdulAlim. Transmuted Generalized Linear Exponential distribution. International Journal of Computer Applications . V(83)17, 29-37.
- 113-Elbatal and N.Feroze. Parameter Estimations based on Kumaraswamy Progressive Type II Censored Data with Random Removals. Journal of Modern Applied Statistical Methods.V(12)2, 314-335.
- 114-Elbatal. Transmuted Generalized Inverted Exponential distribution. Economic Quality Control.V(28)2, 125–133.
- 115-Elbatal and But , N. S . A New Generalization of Quadratic Hazard Rate Distribution. Pakistan Journal of Statistics and Operation Research. V(IX) 4, 343-361.
- 116-I.Elbatal. Kumaraswamy Linear Exponential Distribution. Pioneer Journal of Theoretical and Applied Statistics. V(5)2, 59-73.
- 117-Elbatal and Faton Merovci .The McDonald Modified Weibull Distribution: Properties and Applications. arXiv:1309.2961v1 stat.ME

### 2012

- 118-I.Elbatal, A. N. Ahmed and M . Ahsanullah. *Characterizations of Continuous Distributions By Their Mean Inactivity Times*. Pakistan Journal of Statistics.V(28)3, 279-292.



119-Elbatal and M . Ahsanullah.On Some Properties of The Discrete NBU Class Based On Generating Function Order . Journal of Statistical Theory and Applications .V(11)3, 209-223

120-I.Elbatal. On Some Reliability Characterizations of Member of the Pearson and Ord Families of Distributions. International Journal of Mathematical Archive. V(3)4, 316- 323.

**2011**

121-Elbatal. Exponentiated Modified Weibull Distribution. Journal of Economic Quality Control . 26 ,189- 200.

**2010**

122-I.Elbatal, A. N. Ahmed and M . Ahsanullah. Characterizations of Discrete Distributions By The Reversed Hazard Rate. Journal of Applied Statistical Science .V(18)2, 1445-1456.

**2009**

123-I.Elbatal.On Testing Statistics of Renewal New Better than Renewal Used Class of Life distributions. International Journal of Contemporary Mathematical Sciences, V(4)1, 17 – 29

124-I.Elbatal. Nonparametric Test For Class of Life Distributions. Applied Mathematical Sciences .V(3) 40, 1967 – 1978

**2007**

125-I.Elbatal. A Note on Classes of Life Distributions. Journal of Economic Quality Control V(11),107-116.

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127-I.Elbatal. The Laplace order and ordering of reversed residual life. Journal of Applied Mathematical Sciences. V(1) , 1773-1788.

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**2006**

129-Elbatal , A. Ahmad, H. Ahmed, and M. Kayid. An Ageing Notion Derived From the Increasing Convex Ordering: the NBUCA class. Journal of Statistical Planning and Inference, V(136) , 555- 569.(ISI)

130-Elbatal. Nonparametric test for Harmonic Used Better than Aged in Expectation (HUBAE) Class of life Distributions. Journal of Statistical Theory and Applications .V(5), 281 -292

131-Elbatal. Further Results Involving the NBU mgf class of life distributions. International Journal of Reliability and ApplicationsV(7)1,13-22

132-Elbatal and S.E Abu –Youssef . A note on moment inequality for harmonic used better than aged in expectation (HUBAE) class of life distributions with hypothesis testing application. International Journal of Contemporary Mathematical Sciences. V(3), 141-150.

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133-Elbatal and Abdel-Aziz A. A., Dewidar. Testing Used Better than Aged Class of Life Distributions based Kernel method " Journal of Egyptian Statistical Society . V(15), 25-36 .

134-Elbatal and M. Kayid . General Proportional Reversed Hazards Model". The Egyptian Statistical Journal, Egypt, V(48), 130-140

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135-Elbatal and A.Dewidar.Testing Used Better Than Aged class of life distributions based on U Statistics. Annual Conference of Statistics (ISSR).78-93.

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136-Elbatal.The EBU and EWU classes of life distributions. Journal of The Egyptian Statistical Society. 18, 59- 80.