

# **CURRICULUM VITAE**

**Dr \ Essam Ali Amin Abd El- Samad**

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**Assistant Professor**

**Department of Mathematical Statistics – Institute of  
Statistical studies and Research- Cairo University-  
Egypt**

**Mobil: 00201063636940**

**E-Mail: [ess\\_amin@yahoo.com](mailto:ess_amin@yahoo.com)**

**[essam.amin@cu.edu.eg](mailto:essam.amin@cu.edu.eg)**

**[eaabdelasad@imamu.edu.sa](mailto:eaabdelasad@imamu.edu.sa)**

**[essamin28@gmail.com](mailto:essamin28@gmail.com)**



## **RESEARCH INTERESTS**

- Order Statistics and its Applications
- Record Values
- Reliability and Life Testing
- Estimation and Prediction

## **TEACHING INTERESTS**

- Descriptive Statistics,
- Applied Statistics,
- Mathematical Statistics,
- Probability,
- Estimation and Hypothesis testing,
- Calculus,
- Stochastic Process,
- Order Statistics,
- Statistical Lab. ( SPSS, MINITAB, Statgraph, MapleV and Mathcad ),

## **EDUCATION**

- Ph.D. in Mathematical Statistics, titled “Estimation and Prediction Through Record Values”, the Institute of Statistical Studies and Research (ISSR), Cairo University, 2006.
- M. Sc. in Mathematical Statistics, titled “Performance Evaluation of Queueing Models Concerning Communication Systems”, the Institute of Statistical Studies and Research (ISSR), Cairo University, 2001.
- Diploma in Statistics, Grade Very Good, the Institute of Statistical Studies and Research (ISSR), Cairo University, 1996.

- B. Sc. in Mathematical Statistics, Grade Very Good, Faculty of Science, Alexandria University, 1993.

## **TEACHING EXPERIENCE**

- Associate Professor, Department of Mathematics, College of Sciences Al- Imam Muhammad Ibn Saud Islamic University Riyadh- Saudi Arabia Sept. 2013- present.
  - Stat-111 (introduction to statistics).
  - Stat-211 (Mathematical statistics).
  - Mat-235 (Differential equation).
- Assistant Professor, Department of Mathematics, College of Sciences Al- Imam Muhammad Ibn Saud Islamic University Riyadh- Saudi Arabia Sept. 2010- 2013.
  - Stat-111 (introduction to statistics).
  - Stat-110 (descriptive statistics).
  - Precalculus.
- Assistant Professor, Department of Mathematical Statistics, Institute of Statistical Studies and Research, Cairo University, Egypt, Sept. 2007- Aug.2010.
  - StatM-607 (Advanced Probability)
  - StatM-602 (Stochastic Process )
  - StatM-507 (Probability)
  - Math-500 (Calculus).
  - Math-509 (Mathematical Method)
  - Math-517 (Numerical Method)
  - Math-505 (Advanced Mathematics)
- Part-time Lecturer, High Institute for Architecture and Business Administration Technology, 6 October City, Egypt, Feb. 2009- June 2010.
  - Operations Research
- Part-time Lecturer, Faculty of Science, Suez Canal University, Suez, Egypt, Sep. 2009- June 2010
  - M-151 (Probability)
  - M-251 (Statistical Distributions)
  - Mathematical Statistics
- Part-time Lecturer, The program of the “London School of Economics and Political Science”, Arab Academy for Science and Technology & Marine Transport. Sep. 2008- June 2009.
  - Econometrics
  - Applied Statistics
- Part-time Lecturer, Faculty of Science, Ain Shams University, Cairo, Egypt, Feb. 2009- June 2009.
  - Biostatistics.
- Part-time Lecturer, Faculty of Science, Cairo University, Egypt, Sep. 2008- June 2009.
  - Stochastic process
  - Probability and Queues
- Assistant Professor, Department of Statistics, Faculty of Management

Science and Planning- King Faisal University- Saudi Arabia Sept. 2007- Aug. 2008.

- Numerical Analysis
- Operations Research
- Calculus (1 and 2)
- Descriptive Statistics.
- Inferential Statistics.
- Assistant Professor, Department of Mathematical Statistics, Institute of Statistical Studies and Research, Cairo University, Egypt, June 2006- Aug.2007.
  - Math-506 (Linear Algebra)
- Part-time Lecturer, Faculty of Science, Cairo University, Egypt, Sep. 2006- June 2007.
  - Mathematical Statistics
  - Queueing Theory.
- Part-time Lecturer, The program of the “London School of Economics and Political Science”, Arab Academy for Science and Technology & Marine Transport. Sep. 2006- June 2007.
  - Applied Statistics.
- Part-time Lecturer, University Unions, Ismailia, Egypt, Sep. 2006- June 2007.
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- Part-time Lecturer, Faculty of Computer Science, University of Modern Sciences & Arts (MSA), Egypt, Sep. 2006- June 2007.
  - Discrete Mathematics
- Full-time Teaching Assistant, Department of Mathematical Statistics, Institute of Statistical Studies and Research, Cairo University, Egypt, June 2001- June.2006.
  - Queues
  - Theory of Estimation
  - Hypothesis Testing
  - Discrete Mathematics
- Part-time Lecturer, Faculty of Computer Science, Cairo University, Egypt, Sep. 1997- June 2001.
  - Probability
  - Estimation and Hypothesis Testing
  - Discrete Mathematics.
- Part-time Lecturer, Faculty of commerce (English Section)-, Cairo University, Egypt, Feb. 1999- June 1999 .
  - Statistical Lab. (Minitab)
- Full-time Demonstrator, Department of Mathematical Statistics, Institute of Statistical Studies and Research, Cairo University, Egypt, Des. 1995- June2001.
  - Calculus
  - Mathematical Statistics
  - Discrete Mathematics
  - Estimation Theory

	<b><u>PUBLICATIONS :</u></b>
<b><u>1</u></b>	<b>Elham Shoukry, Nadia Wagieh Talat and Essam, A. Amin (2001).</b> Empirical Formula for the Intersection point of Waiting Time Distribution for both FIFO and ROS Disciplines. The Egyptian Statistical Journal, 45, 1, 41-53.
<b><u>2</u></b>	<b>Elham Shoukry, Nadia Wagieh Talat and Essam, A. Amin (2001).</b> Waiting Time Distribution and Some Characteristics in Finite Queueing Systems with Retrials. The Egyptian Statistical Journal, 45, 1, 73-85.
<b><u>3</u></b>	<b>Ashour, S. K. and Amin, E. A. (2005a).</b> Prediction of the sth future upper record values from Weibull distribution. The 40th Annual Conference on Statistics, Computer Sciences and Operation Research, Cairo University-Egypt.
<b><u>4</u></b>	<b>Ashour, S. K. and Amin, E. A. (2005b).</b> Bayesian and Non-Bayesian Estimation About Weibull Distribution Based on Upper Record Values. The Egyptian Statistical Journal, 49, 2.
<b><u>5</u></b>	<b>Ashour, S. K. and Amin, E. A. (2006).</b> The Sampling distribution of the maximum likelihood estimators for the parameters of Weibull distribution based on upper record values. InterStat Electronic Journal, March No-2.
<b><u>6</u></b>	<b>Ashour, S.k. Amin, E. A. and Muhammed, H. Z., (2009).</b> Moment generating function of the bivariate generalized exponential distribution, Journal of applied Mathematical Sciences. 3- 59,2911-2918.
<b><u>7</u></b>	<b>A. Soliman, Amin, E. A. and Abd-El Aziz, A. A., (2010).</b> Estimation and Prediction from Inverse Rayleigh Distribution Based on Lower Record Values Journal of Applied Mathematical Sciences, 4, 62, 3057 – 3066
<b><u>8</u></b>	<b>S.k. Ashour, Amin, E. A. and Soliman, M. A., (2011).</b> Tests based on entropy: Extensions and comparisons, Research Journal of Mathematics and Statistics. 3, 1, 51-60.
<b><u>9</u></b>	<b>Amin, E. A., (2011).</b> Maximum Likelihood Estimation of the Mixed Generalized Rayleigh Distribution from Type I Censored Samples, Journal of Applied Mathematical Sciences, 5, 56, 2753 – 2764.
<b><u>10</u></b>	<b>Amin, E. A., (2011).</b> K-th Upper Record Values and their Moments, Journal of International Mathematical Forum, 6, 61, 3013 – 3021.
<b><u>11</u></b>	<b>Amin, E. A., (2012).</b> Bayesian and Non-Bayesian Estimation from Type I Generalized Logistic Distribution Based On Lower Record Values, Journal of Applied Sciences Research, 8, 1, 118-126.
<b><u>12</u></b>	<b>Amin, E. A., (2012).</b> The Sampling Distribution of The Maximum Likelihood Estimators from Type I Generalized Logistic Distribution Based On Lower Record Values, International Journal of Contemporary Mathematical Sciences, 7, 24 , 1205 – 1212.

<u>13</u>	<b>S.k. Ashour, Amin, E. A. and Muhammed, H. Z, (2012).</b> Maximum Likelihood Estimation for the Bivariate Generalized Exponential Distribution Parameters Using Type I Censored Data, Journal of Applied Science Research, 8, 4, 1893-1900.
<u>14</u>	<b>Amin, E. A., (2012).</b> Bayesian and Non-Bayesian Estimation of $P(Y < X)$ from Type I Generalized Logistic Distribution Based On Lower Record Values, Australian Journal of Basic and Applied Sciences, 6, 3, 616-621
<u>15</u>	<b>S.k. Ashour, Amin, E. A. and Amani S. Abd El-Ghafour, (2012).</b> Maximum Likelihood Estimation for Unknown Parameters Of A Feller Pareto Distribution Using Type I censored Data, Pioneer Journal of Theoretical and Applied Statistics, 4, 1, 57-70
<u>16</u>	<b>Mohamed A. Hussian and Amin, E. A.,(2013).</b> Estimation of $P(Y < X)$ For The Inverted Exponential Distribution, International Journal of Mathematical Archive, 4, 6, 1-7.
<u>17</u>	<b>Mohamed A. Hussian and Amin, E. A., (2014).</b> Estimation and Prediction For the Kumaraswamy-Inverse Rayleigh Distribution Based On Records, International Journal of Advanced Statistics and Probability, 2, 1, 21-27.
<u>18</u>	<b>Amin, E. A. and Mohamed A. Hussian, (2014).</b> A Weighted Three-Parameter Weibull Distribution, Journal of Applied Science Research, 9, 13, 6627-6635.
<u>19</u>	<b>Amin, E. A. and Alaa, A. Abd-ElAziz, (2015).</b> Bayesian and Non-Bayesian Estimation From Weibull-Uniform Distribution Based On Upper Record Values, Journal of Statistics: Advances in Theory and Applications, 14, 1, 107-123.
<u>20</u>	<b>Alaa, A. Abd-ElAziz and Amin, E. A., (2015).</b> The Sampling Distribution Of The Maximum Likelihood Estimators From Weibull-Uniform Distribution Based On Upper Record Values, Journal of Statistics: Advances in Theory and Applications, 14, 2, 167-180.
<u>21</u>	<b>I. Elbatal, Amin, E. A. (2016).</b> A New Class of lifetime Distribution Properties and Applications, Accepted in Journal of Computational and Theoretical Nanoscience
<u>22</u>	<b>I. Elbatal, Hussein, Y. M. and Amin, E. A. (2016).</b> An extended power Lindley distribution and its application, Afrika Statistika, Vol. 11-2 1075-1093.
<u>23</u>	<b>I. Elbatal, Hussein, Y. M. and Amin, E. A. (2016).</b> The Beta Generalized Inverse Weibull Geometric Distribution and its Applications, Pak.j.stat.oper.res. Vol.XIII No.1 2017 pp75-90
<u>24</u>	<b>Amin, E. A., (2017).</b> Estimation of Stress-Strength Reliability for Kumaraswamy Exponential Distribution Based on Upper Record Values, International Journal of Contemporary Mathematical Sciences, 12, 2, 59-71.
<u>25</u>	<b>Amin, E. A. and Mansour, M. M. (2017).</b> An Extended Generalized Power Lindley Distribution, Accepted in Research Journal of Mathematics and Statistics

<u>26</u>	<b>M. A. Hussian and Amin, E. A. (2017).</b> Fuzzy Reliability Estimation for Exponential Distribution Using Ranked Set Sampling, International Journal of Contemporary Mathematical Sciences, 12, 1, 31-42.
<u>27</u>	<b>Amin, E. A., (2017).</b> Estimation of Stress-Strength Reliability for Kumaraswamy Exponential Distribution Based on Upper Record Values, International Journal of Contemporary Mathematical Sciences, 12, 2, 59-71.
<u>28</u>	<b>Amin, E. A., (2017).</b> On Record Values of the Power Lomax Distribution, Journal of Adv.& Appl. In Stat. 50, 6, 497-515
<u>29</u>	<b>Amin, E. A., (2017).</b> On Record Values of Exponential Pareto Distribution, Applied Mathematical Sciences. 11, 32, 1547- 1559

	<b><u>M.SC THESIS SUPERVISION:</u></b>
<u>1</u>	<b>Sameh Abd El-Raofe (2008)</b> <i>Estimation for the Parameters of linear Exponential Distribution</i> , Cairo University, Main Supervisor: Prof. Dr. Samir Kamel Ashour.
<u>2</u>	<b>Hiba Zeiada (2009)</b> <i>On the Bivariate Generalized Exponential Distribution</i> , Cairo University, Main Supervisor: Prof. Dr. Samir Kamel Ashour
<u>3</u>	<b>Mohammad Soliman (2009)</b> <i>Hypothesis Testing Using Entropy</i> , Cairo University, Main Supervisor: Prof. Dr. Samir Kamel Ashour
<u>4</u>	<b>Amany Shaheen (2010)</b> <i>On the Feller Pareto Distribution</i> , Cairo University Main Supervisor: Prof. Dr. Samir Kamel Ashour