

CURRICULUM VITAE

Dr \ Essam Ali Amin Abd El- Samad

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Department of Mathematics and Statistics –
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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

- Assistant Professor, Department of Mathematics, College of Sciences Al- Imam Muhammad Ibn Saud Islamic University Riyadh- Saudi Arabia Sept. 2010- present.
 - 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

PUBLICATIONS :

- [1] **Elham Shoukry, Nadia Wagieh Talat and Essam, A. Amin (2001).** Empirical Formula for the Intersection point of Waiting Time Distribution for both FIFO and ROS Disciplines. The Egyptian Statistical Journal, 45, 1, 41-53.
- [2] **Elham Shoukry, Nadia Wagieh Talat and Essam, A. Amin (2001).** Waiting Time Distribution and Some Characteristics in Finite Queueing Systems with Retrials. The Egyptian Statistical Journal, 45, 1, 73-85.
- [3] **Ashour, S. K. and Amin, E. A. (2005a).** Prediction of the s^{th} future upper record values from Weibull distribution. The 40th Annual Conference on Statistics, Computer Sciences and Operation Research, Cairo University-Egypt.
- [4] **Ashour, S. K. and Amin, E. A. (2005b).** Bayesian and Non-Bayesian Estimation About Weibull Distribution Based on Upper Record Values. The Egyptian Statistical Journal, 49, 2.
- [5] **Ashour, S. K. and Amin, E. A. (2006).** 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.
- [6] **Ashour, S.k. Amin, E. A. and Muhammed, H. Z., (2009),** Moment generating function of the bivariate generalized exponential distribution, Journal of applied Mathematical Sciences. 3- 59,2911-2918.
- [7] **A. Soliman, Amin, E. A. and Abd-El Aziz, A. A., (2010),** Estimation and Prediction from Inverse Rayleigh Distribution Based on Lower Record Values Journal of Applied Mathematical Sciences, 4, 62, 3057 – 3066.
- [8] **S.k. Ashour, Amin, E. A. and Soliman, M. A., (2011)** Tests based on entropy: Extensions and comparisons, Research Journal of Mathematics and Statistics. 3, 1, 51-60.
- [9] **Amin, E. A., (2011),** Maximum Likelihood Estimation of the Mixed Generalized Rayleigh Distribution from Type I Censored Samples, Journal of Applied Mathematical Sciences, 5, 56, 2753 – 2764 .
- [10] **Amin, E. A., (2011),** K -th Upper Record Values and their Moments, Journal of International Mathematical Forum, 6, 61, 3013 – 3021.
- [11] **Amin, E. A., (2012),** 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.

- [12] **Amin, E. A.**, (2012), 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.
- [13] **S.k. Ashour, Amin, E. A. and Muhammed, H. Z.**, (2012), Maximum Likelihood Estimation for the Bivariate Generalized Exponential Distribution Parameters Using Type I Censored Data, Journal of Applied Science Research, 8, 4, 1893-1900.
- [14] **Amin, E. A.**, (2012), 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.
- [15] **S.k. Ashour, Amin, E. A. and Amani S. Abd El-Ghafour**, (2012), 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.

M.SC THESIS SUPERVISION:

- [1] **Sameh Abd El-Raofe (2008)** *Estimation for the Parameters of linear Exponential Distribution*, Cairo University, Main Supervisor: Prof. Dr. Samir Kamel Ashour.
- [2] **Hiba Zeiada (2009)** *On the Bivariate Generalized Exponential Distribution*, Cairo University, Main Supervisor: Prof. Dr. Samir Kamel Ashour.
- [3] **Mohammad Soliman (2009)** *Hypothesis Testing Using Entropy*, Cairo University, Main Supervisor: Prof. Dr. Samir Kamel Ashour
- [4] **Amany Shaheen (2010)** *On the Feller Pareto Distribution*, Cairo University Main Supervisor: Prof. Dr. Samir Kamel Ashour