

Curriculum Vitae

Emtair M. Muharhar

Academic Position: Associate Professor.

Specialty: Statistics.

Keywords: Academic, Statistician, mathematician, data analyst.

Qualifications

- PhD, Mathematics, University of Siegen, Germany, 2007.
- M.Sc., Statistics, Faculty of science, University of Garyounis, Libya, 1998.
- B.A., Statistics, Faculty of Economics, University of Garyounis, Libya 1989.

Other Qualifications

- A Special Certificate of teaching Mathematics.
- A Certificate of Pedagogic Inspection.

Academic activities

- I have taught Statistical undergraduate courses at different levels including; General Statistics, Probability, Mathematical Statistics, Stochastic Processes.
- I have taught Mathematical undergraduate courses at different levels including ; General Mathematics, Calculus and Differential Equations.
- I have taught a postgraduate course in Biostatistics for biological sciences.
- I have supervised a couple of graduation projects.
- I have served as an external examiner for MSc dissertations.
- I have developed and taught a course of Computing Applications for the students of mathematics.
- I have the ability to teaching any courses related to calculus, probability, mathematical statistics and applied statistics.

Research Interests

My present research interests are focused on extreme value theory, statistical modeling and statistical learning. My research interests integrated with my programming abilities helped me develop nontraditional classifiers based on statistical techniques, especially, supervised and unsupervised classification. My future research plan is to implement the theoretical techniques in practical modeling of mixed risks.

Publications

- Emtair, M., "Comparative Copula Modeling of Tail Dependence Among Financial Return Ratios ", Sirte University Scientific Journal , 2018 (submitted).

- Emtair, M., “NUMERICAL SOLUTION TO THE PROBLEM OF OPTIMAL BOUNDARY OF GENERALIZED PARETO MIXTURES.” International Journal of Advances in Science Engineering and Technology, ISSN: 2321-9009, Vol-4, Iss-3, Spl. Issue-1 Aug.-2016
- Emtair, M., “ *On a Supervised Classifier that can better learn from mixed Peaks-Over-Threshold.*” The International Conference on Science, Technology, Engineering and Management, Dubai, 2015.
- Emtair, M., “*On a Bayesian Classifier based on the assumption of Generalized Pareto Mixing Components.*” The International Conference for Mathematics and Applications, Cairo, 2015.
- Emtair, M., “ *Statistical Stability in Financial Modeling.*” Sirte University Scientific Journal, V 4, Issue 1, 2014.
- Emtair, M., “*Discovering and Modeling the Driving Forces of Multidimensional Scales with Applications to Financial data.*” Sirte University Scientific Journal, V 4, Issue 1, 2014.
- Emtair, M., “*Profitability Modeling in Companies and Industrial Institutes.*’ Sirte University Scientific Journal, V 1, Issue 1, 2010.
- Emtair, M., “*Statistical Learning from Strongly-skewed and Heavy-tailed Mixtures.*’ Sirte University Scientific Journal, V 1, Issue 1, 2008
- Emtair, M., “*Structural Modeling of Aggregated Financial Ratios*”, PhD Thesis, Siegen University, Germany, 2007.
- Emtair, M., “*Some Aspects of Multivariate Analysis to study the Characteristics of Mediterranean Commercial Fish.*”, MSc Thesis, University of Garyounis, Libya, 1998.
- Emtair, M., (2016). Principles of statistics (in Arabic), Academic Book Center. Jordan.
- Emtair, M., (2018). Probability Counting (in Arabic), Academic Book Center. Jordan.

Conferences and Workshops

- The International Conference on Science, Technology, Engineering and Management, 2nd and -3rd Dec 2015, Dubai- UAE
- The International Conference for Mathematics and Applications (ICMA’15), Cairo-Egypt, 2015.
- Workshop on Mathematical Statistics and its applications (WMSA -2015), Zagazig University ,2nd Aug 2015, Zagazig- Egypt.

- International Conference on Applied Physics and Mathematics (ICAPM 2016), Riyadh-Saudi Arabia, 2016.
- ISER - 188th International Conference on Science, Technology, Engineering and Management (ICSTEM 2017), 27th-28th June, 2017, Muscat, Oman.
- ISER - 237th International Conference on Science, Technology, Engineering and Management (ICSTEM 2017), 27th-28th October, 2017 Ottawa, Canada.

Computing Skills

- Programming with Matlab, XTREMES, SPSS.
- Extensive knowledge in Microsoft office, Microsoft word, Power Point and LaTeX.

Language Skills

- Arabic (Mother Tongue), English.

Referees

1. Prof. Dr. Rolf. Dieter Reiss. Department of Mathematics, Faculty of Natural Sciences and Technology, Siegen University, Germany.

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2. Prof. Dr. Hans Pieter- Scheffler. Department of Mathematics, Faculty of Natural Sciences and Technology, Siegen University, Germany.

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3. Prof. Dr. Edgar Kaufman. Department of Mathematics, Faculty of Natural Sciences and Technology, Siegen University, Germany.

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