

Curriculum Vitae

Personal information:

Name: Hanaa Taha Ataalla Elgohari

Associate professor of Statistics

Faculty of commerce

Mansoura University

Address : Mansoura University (EGY)

E-mail : hanaa_elgohary@mans.edu.eg

Mobile : +201008860016

Academic degrees:

- Associate professor, Statistics, 2022
- PhD, Applied Statistics, Faculty of commerce, Mansoura University, 2016, which titled “Suggested Statistical method to handle multivariate time series clustering data (Applied study)”
- Master, Applied Statistics, Faculty of commerce, Mansoura University, 2010, which titled” The Use of Statistical Model to Study the Factors Affecting the Total Fertility Rate (Applied Study).
- B.Sc. , Mansoura University, Faculty of Commerce, Very good, ranked first, Applied Statistics Department, 2006

Languages:

- Arabic : Native Language.
- English: Excellent Command of spoken and written English.

Scientific memberships:

- 1- Member of (Royal Statistical Society , UK), (**Membership number 129243**).
- 2- Member of (American Statistics Association, America) (**Member ID 203404**).

Publications:

- 1- Efficiency of discriminant analysis and multivariate logistic regression for the detection of anemic children with chronic kidney disease” International journal of statistics and applications, 2017.

- 2- Application SARIMA models on time series to forecast number of deaths in hospital” International Journal of Applied Mathematics & Statistical Sciences, 2018.
- 3- Forecasting the number of outpatient visits in tertiary hospital using time series based on ARIMA and ES models, Australian journal of basic and applied sciences,2019
- 4- Temperature Modeling of Rangpur Division, Bangladesh: A comparative study between Artificial Neural Network and Linear Regression Models, International Journal of Agriculture and Statistical Sciences, 2019.
- 5- An improvement of the mixing MCMC algorithm for multilevel logistic regression, an application study, International Journal of .Agriculture and Statistical Sciences, 2019.
- 6- The linkage between stock and inter-bank bond markets in China: A Dynamic Conditional Correlation (DCC) analysis, international journal of economics and business research, 2020
- 7- A New Extension of Weibull Distribution: Copula, Mathematical Properties and Data Modeling, STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING, Vol. 8, December 2020, pp 972–993.
- 8- A Generalization of Lomax Distribution with Properties, Copula and Real Data Applications, Pakistan Journal of Statistics and Operation Research, Vol.16 No. 4 2020 pp 697-711.
- 9- A New Version of the Exponentiated Exponential Distribution: Copula, Properties and Application to Relief and Survival Times, STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING, Vol. 9, June 2021.PP.311-333.
- 10- A New Probability Distribution for Modeling Failure and Service Times: Properties, Copulas and Various Estimation Methods: New Probability Distribution for Modeling Failure and Service Times, STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING, Vo1.9, No.3, 2021, pp.555-586.
- 11- A New Extreme Value Model with Different Copula, Statistical Properties and Applications. Pakistan Journal of Statistics and Operation Research, Vol. 17, No.4, pp.1015-1035, 2021.
- 12-Two mixed models to predict the volatilely stock market in Egypt, Thailand statistician. No(1) January, 2022.

13- A new approach of using the Goldfeld- Quandt test of heteroscedasticity for multiple linear regression, International Journal of .Agriculture and Statistical Sciences, 2022.

14- Outliers as source of overdispersion in poisson regression modelling: Evidence from simulation and real data. International journal of statistical sciences, Vol.23, No(2), 2023.

Projects:

Development of multiplexed point of care diagnostics (xPOCDs) for communicable diseases employing quinones as a stabler, sensitive and cost-effective signaling tag, Funded STDF.

Supervising scientific theses

- 1- Comparing maximum likelihood and C-H - for classification data
- 2- Estimating the parameters of Lomax Distribution with censor data - Applied study
- 3- Using the Models Kaplan - Meier and Cox to Estimate the Residual Lifetime for Length - Biased and Right - Censored Data: Applied Study
- 4- Estimation of the standard errors and the confidence intervals of the autoregressive parameters of the first order AR (1) using Double Bootstrap method - Applied study
- 5- Estimating Non-Parametric Regression Function Using Smoothing Splines and Wavelet Methods: Applied and Comparative Study
- 6- Comparison study between Support vector machine and linear discriminant analysis in the data classification

Training courses and workshops:

- Strategic Planning, Mansoura University.
- TOT Program, Arab Marine Academy, 2016
- ICDL, Scientific Computation Center, Mansoura University.
- Quality Assurance Criteria in Education, Mansoura University
- Effective Educational Performance, Mansoura University

- Ethics of University Profession, Mansoura University
- Activating digital libraries for faculty members and their meanings, Mansoura University.
- Communication Skills at Different Educational Patterns, Mansoura University
- Scientific Publication, Mansoura University
- Ethics of Scientific Research, Mansoura University
- Certificate in IELTS, British council.
- Certificate in Advanced English.
- Organizing Scientific Conferences, Mansoura University
- Using Technology in Teaching, Mansoura University
- Credit Hours System, Mansoura University
- Time Management and Meetings, Mansoura University
- University Instructor Preparation, Mansoura University
- Preparation of leaders, Helwan academy of leadership,2018
- Funding scientific research through the art of writing research project proposals,2018
- Strategic Studies and National Security, Nasser Military Academy, Cairo. 2019
- Attend a workshop entitled "How to use and activate the activities of the knowledge bank, 2018.
- Egyptian national security challenges, The general union of the Egyptian labour syndicate, 2019
- Data analysis track, one million coder's initiative, 2020.
- The general course on Egyptian intellectual property, National intellectual property Academy, 2020.
- Understanding Business, IBDL essential, 2020.
- Methods of measurement, evaluation and preparation of the test item, Measurement and assessment center, 2020.
- Statistical analysis of the question banks program, Measurement and assessment center, 2020.

- Credit hours, academic and professional programs, academic advising, examination and evaluation systems, Faculty of commerce, Mansura University, 2020.
- Interdisciplinary research excellence, Ministry of Higher education and scientific research, 2020.
- The role of the scientific woman in facing the Corona virus and its repercussions, Ministry of Higher education and scientific research, 2020.
- Interdisciplinary research excellence, (Research Impact), Ministry of Higher education and scientific research, 2021.
- (Be an ambassador) initiative, National institute for governance& sustainable development.2021
- The national program for women leaders, Ministry of planning and Economic development and international training center,2022
- Training of Trainers, Supreme council of universities, 2023
- Women drive in Egyptian governorates National Training Academy, 2024

Conferences:

- 1- Annual Conference of Statistics, Faculty of Economics and Political Science,2017
- 2- Mansoura university international conference,” Scientific research and innovation technology”,2017
- 3- 3rd International conference of mathematical sciences and statistics, Putrajaya, Malaysia, 2018
- 4- Internationalization of higher education conference, March 2019.

Awards:

- 1- Certificate of Appreciation Cultural Festival in Dakahlia Governorate, 2006.
- 2- The best paper from (international journal of applied mathematics and statistical sciences, India, 2018.

Administrative work:

- 1- A coordinator of Quality Assurance and Accreditation Unit in Applied Statistics Department at the Faculty of Commerce, Mansoura University.
- 2- A Student Communication Committee Chairperson at the Faculty of Commerce, Mansoura University.
- 3- A coordinator of Checking and Preventing Plagiarism in Academic Research Program at the Applied Statistics Department in the Faculty of Commerce, Mansoura University.
- 4- A coordinator of Student Activities at the Faculty of Commerce, Mansoura University.
- 5- A member of the Ethics of Scientific Research Committee in the Faculty of Commerce, Mansoura University.
- 6- Supervising the unit of medical statistics and scientific research at the University Mansoura Children's Hospital - Mansoura University.
- 7- Manager of Statistical Consultancy Unit at the University Performance Development Center, Mansoura University.
- 8- A representative of the university for membership of the Follow-up Committee of the Supreme Council of Universities to follow up on capacity tests in universities.
- 9- Member of the Board of Directors of the Center for Measurement and Psychological Evaluation - Faculty of Education - New Damietta University.
- 10- Manager of Measurement of assessment unit – Faculty of commerce- Mansoura University.
- 11- Supervisor of education and students sector, Faculty of business, Horus University , 2023.

Experiences:

- Teaching (principles of statistics- Applied statistics- Time series- Mathematical statistics- Multivariate analysis- statistical theory- Applications on SPSS- nonparametric tests) at faculty of commerce – Mansoura University from 2007 to present.
- Teaching as a part time at New Mansoura University from 2022 to present

- Teaching as a part time the principles of statistics at Horus University from 2019 to present.
- Teaching (Principles of statistics – Applied statistics) at Delta University during 2018/2019.
- Certified trainer at University performance development center- Mansoura University from 2019 to present.
- Teaching a course titled “Advanced Biostatistics” at Mansoura University Children Hospital .

Activities for University and community

- 1- Member of Public Relations and Reception Committee for the second educational exhibition of Mansoura University 2016.
- 2- Organization of a seminar entitled (You can change), faculty of commerce- Mansoura university, 2016 <http://sada.mans.edu.eg/index.php/sada-dept/seminars-and-conferences/1403-seminar-estimated-change-to-regulate-emotions-ideas-and-trade-relations-mansoura>
- 3- Participation in the final selection interviews for the higher education initiative public university scholarships program, Amideast, 2017.
- 4- Member of the organizing committee of the third educational exhibition of Mansoura University 2017.
- 5- Member of Public Relations and Reception Committee for the third educational exhibition of Mansoura University 2017.
- 6- Conducting a workshop entitled (Statistical Analysis Skills), Nile Club, Mansoura University, 2017.
- 7- Conducting lectures on combating corruption at the Faculty of Commerce - Mansoura University, 2017.
- 8- Participation at a symposium on Arab impact factor and intellectual property rights, 2017.
- 9 - Member of the Scientific and Cultural Development Committee for the

development of the village of Ghazala in Dakahlia government, 2019

10- Coordinator of the Reception Committee at the First International Students Forum for Egyptian Universities, 2019.

11- Member of the Jury Standards for the Smart University Student Competition, Internationalization of higher education conference, 2019.

12- Member of the Reception and Organizing Committee for Internationalization of higher education conference, 2019.

13- Supervisor of the formation of student committees in Internationalization of higher education conference, 2019.

14- Member of Graduate Studies Development Committee programs at faculty of commerce, Mansoura university, 2019.

15- Member of the advertising and online advertising committee for the Mansoura Digital Talent Festival, 2020

Thanks for your time and consideration