



C.V.

Professor Dr. Magda Haggag



2021

CURRICULUM VITAE

Prof. Dr. Magda Mohamed Haggag

Professor in Statistics, Department of Statistics, Mathematics, and Insurance, Faculty of commerce, Damanhour University.

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Present Occupation

- 1- Professor of Statistics, Department of Statistics, Mathematics, and Insurance, Faculty of commerce, Damanhour University, Egypt.
- 2- Former Dean of the Faculty of commerce, Damanhour University.
- 3- Former Vice-Dean of Graduated Studies and Researches, Faculty of commerce, Damanhour University.
- 3- Former Head of the Department of Statistics, Mathematics, and Insurance – Department of Statistics, Mathematics, and Insurance, Faculty of commerce, Damanhour University, Egypt.

Statistical & Technical Skills

Specialized in	Statistics
Scientific Interests	<ul style="list-style-type: none">• Parametric, nonparametric, and semiparametric regression models.• Regression using fuzzy and crisp data.• Regularized regression models.• Multivariate statistical analysis.• Model Averaging.• Statistical data analysis.• Statistical and mathematical programming using: SAS – SPSS – Minitab – S.Plus – R - XploRe- Gauss – Statgraphics ,

	<p>Matlab, MathCad, etc..</p> <ul style="list-style-type: none"> • Programming using databases, R, V.basic, and C+. • Special Interests in : <ul style="list-style-type: none"> - Massive Data Analytics. - Data Mining. - Statistics in Artificial Intelligence.
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Employment Record

- Dean of the Faculty of commerce, Damanhour University, from 26/11/2019-26/5/2020.
- Vice-Dean of Graduated Studies and Researches, Faculty of commerce, Damanhour University, from 8/5/2019-26/5/2020.
- Conducting the work of the Vice-Dean of Graduated Studies and Researches, Faculty of commerce, Damanhour University, from 12/10/2018 - 12/4/2019.
- Conducting the work of the Vice Dean for Community Service and Environmental Development, from 13/3/2017 - 13/5/2017
- Head of the Department of Statistics, Mathematics, and Insurance – Department of Statistics, Mathematics, and Insurance, Faculty of commerce, Damanhour University, from 8/4/2015-31/7/2020.
- Professor of Statistics, Mathematics, and Insurance Faculty of commerce, Damanhour University, from 28/12/2019.
- Associate professor of Statistics, Mathematics, and Insurance Faculty of commerce, Damanhour University, from 25/2/2015-27/12/2019
- Assistant professor of Statistics, Mathematics, and Insurance Faculty of commerce, Damanhour University, from 4/8/2008- 24/2/2015
- Assistant Lecturer of Statistics, Mathematics, and Insurance Faculty of commerce, Damanhour University, from 23/8/2001- 3/8/2008.

Scientific & Academic Supervision

Scientific and academic supervision of Master Theses in Statistics at Damanhour University:

1. Criteria of Determining the optimal sample size in Structural Equation Models.
2. Linear Regression Models using Fuzzy Data.
3. Handling Missing Values using Factor Analysis.
4. Averaging of Linear Regression Models.

Published Researches

1. "On the estimation of a semiparametric generalized linear model", published in ["InterStat" in July, 2007](#).
2. "Estimation of parametric and semiparametric logistic regression model using credit scoring data", published in ["InterStat" in November, 2007](#).
3. "Estimation of parametric and semiparametric logistic regression models" presented at Annual Statistical Conference, ISSR, Cairo University, [on 4th, December, 2007](#).
4. "Measuring the creditability of borrowers in Egyptian business loans using a generalized partial linear model", presented at Annual Statistical Conference, ISSR, Cairo University, [on 23rd, December, 2008](#).
5. "On the Single Index Model Theory" presented at Annual Statistical Conference, ISSR, Cairo University, [on 7th, December, 2009](#).
6. "Statistical Inference in Generalized Partial linear Models", presented at the Tenth Islamic Countries Conference on Statistical Inference, ICCS-X, American University In Cairo, [on 22nd, December, 2009](#).
7. " Studying the Performance of Sliced Inverse Regression in Reducing Dimensionality using Normally distributed Predictors", [2011, Faculty of Commerce Journal, Cairo University](#).
- 8." The Effect of Heteroskedasticity on Estimating the Asymptotic Covariance Matrix for Quantile Regression Estimators", [2012, Faculty of Commerce Journal, Damanhour University](#).
- 9."The Inverse Conditional Moment based-Methods for reducing dimensionality of Nonelliptically and Heavy Tailed Distributed Predictors", [2013, Faculty of Commerce Journal, Damanhour University](#).
10. "Modeling the Household income expended on food in Egypt: A Beta Regression Approach", [Egyptian Statistical Journal, ISSR, Cairo University, Jan., 2014](#).
11. "Combining of Dimension Reduction Regression Methods", [Advances and applications in statistics, Publishing House, Vol. 40, No.2, 2014, pp: 133-156](#).

12. "New Adjusted Biased Regression Estimators Based on Signal-to Noise Ratio", [International Journal of Applied Mathematics & Statistical Sciences \(IJAMSS\)](#), Vol. 3, No. 6, 2014, pp: 57-68.
13. "New Criteria of Model Selection and Model Averaging in Linear Regression Models", [American Journal of Theoretical and Applied Statistics](#)", Vol. 3, No. 5, 2014.
14. " A New Optimal Selection of a Ridge Regression Parameter ", [International Journal of Applied Mathematics & Statistical Sciences \(IJAMSS\)](#), Vol. 5, No. 6, 2016, pp:101-132.
15. "Analysis of Multiple Linear Regression Models Using Symbolic Interval-valued Variables", [International Journal of Applied Mathematics & Statistical Sciences \(IJAMSS\)](#), Vol. 7, No.2, 2018, pp:33-44.
16. " Adjusting the Penalized Term for the Regularized Regression Models", [Afrika Statistika](#), Vol. 18, No.2, 2018, pp:1609-1630.
17. " A New Fuzzy Regression Model by Mixing Fuzzy and Crisp Inputs", [American Review of Mathematics and Statistics](#), Vol. 6, No.2, 2018, pp:9-25.
18. " A New Difference Method for Variance Estimation in Non-Parametric Regression Models", [Advances and applications in statistics, Publishing House](#), 2019, 57, 2, 155-189.
19. " Adaptive Partially Linear Regression Models by Mixing Different Estimates", [American Journal of Theoretical and Applied Statistics](#)", 2019, 8,5 157-168.
20. " The Difference for Difference Estimation Method for semiparametric Partially Linear Regression Models", [International Journal of Applied Mathematics & Statistical Sciences \(IJAMSS\)](#), 8, 5, 2019.

Unpublished Researches

- 1- Statistical analysis of the phenomenon of corruption at the level of Damanhour University in 2017 presented to the quality management at Damanhour University.
- 2 - A statistical study to determine the requirements of the labor market in the province of Beheira in 2015 submitted to the University of Damanhour.

- 3- Feasibility study for establishing a private university (Al-Fanar University) in Beheira Governorate in 2014, introduced to Beheira Governorate.
- 4- Statistical analysis of the student questionnaires in the English Language Unit in 2012, submitted to the Faculty of Commerce, Damanhour University.
- 5- A study for marketing the open education unit at the Faculty of Commerce - Damanhour branch in 2010, introduced to Alexandria University.

Scientific Conferences

- 1- Annual Statistical Conference, ISSR, Cairo University, 2008.
- 2- Annual Statistical Conference, ISSR, Cairo University, 2009.
- 3- The Tenth Islamic Countries Conference on Statistical Inference, ICCS-X, American University in Cairo, 2009.
- 4- Annual Statistical Conference, ISSR, Cairo University, 2010.
- 5- Annual Statistical Conference, ISSR, Cairo University, 2011.
- 6- Annual Statistical Conference, ISSR, Cairo University, 2012.
- 7- Annual Statistical Conference, ISSR, Cairo University, 2013.
- 8- Annual Statistical Conference, ISSR, Cairo University, 2014.
- 9- Global Forum for Higher Education and Scientific Research, Cairo, Egypt, 4-6 April, 2019.

Author of the following Text Books

1. Mathematics (1): Pure and Finance.
2. Mathematics (2): Pure and Finance.
3. Descriptive Statistics.
4. Inferential Statistics.

Scientific & Academic Supervision

Scientific and academic supervision of Master Theses in Statistics at Damanhour University:

1. Criteria of Determining the optimal sample size in Structural Equation Models .
2. Linear Regression Models using Fuzzy Data.
3. Handling Missing Values using Factor Analysis.
4. Averaging of Linear Regression Models.

Participation in a Special Nature Units

- Academic Coordinator of the Open Education Unit, 2017.
- Executive Director of the Commercial Research and Studies Unit for 2014 and 2015.
- Member of the Board of Directors of the English Language Unit, 2019.
- Member of the Board of Directors of the Commercial Research and Studies Unit, 2019.
- Member of the Board of Directors of the Affiliation Unit, 2019.

University and College Activities

- Member of the Council of Graduate Studies and Research at the University.
- Member of the College Council.
- Chairman of the Library Committee.
- Chairman of Graduate Studies and Research Committee.
- Deputy Editor-in-Chief of the Journal of Business Studies for the Faculty of Commerce, Damanhour University.

Training Courses

- 1- References research management systems. (FLDC Damanhour University, 2019)
- 2- University laws and regulations. (FLDC Alexandria University, 2019).
- 3- E- Exams (D4). (FLDC Alexandria University, 2019)
- 4- Executive leadership development. (FLDC Alexandria University, 2019)
- 5- Leadership and strategic thinking. (FLDC Alexandria University, 2019)
- 6- Project preparation and management. (FLDC Alexandria University, 2019)
- 7- International Publishing of Research.). (FLDC Alexandria University, 2013)

- 8- Organizing Scientific Conferences.). (FLDC Alexandria University, 2013).
- 9- Research Team Management.). (FLDC Alexandria University, 2013)
- 10- Student Evaluation and Examination Techniques.). (FLDC Alexandria University, 2013)
- 11- Research Ethics.). (FLDC Alexandria University, 2013)
- 12- Creation et Gestion d'un cours en ligne, 2013, (Universite Senghor).
- 13- Professional Diploma of "International Certified Trainer" from Canadian Academy for Training and Consulting, June, 2012.). (FLDC Alexandria University)
- 14- Effective presentation skills (I1). (FLDC Alexandria University, 2008)
- 15- Code of Ethics (P4). (FLDC Alexandria University, 2008)
- 16- Teaching with technology (T3).). (FLDC Alexandria University, 2008)
- 17- Credit Hours (D1). (FLDC Alexandria University, 2008)
- 18- Research Methodology (T4).). (FLDC Alexandria University, 2008)
- 19- Thinking Skills (P1). (FLDC Alexandria University, 2008)
- 20- Professional Diploma of "International Certified Trainer" from Canadian Academy for Training and Consulting, June, 2012.). (FLDC Alexandria University)
- 21- Many computer courses in programming and languages from 1995.

Teaching Activities

The Taught Courses	Educational Level
Descriptive Statistics	Bachelors of commerce and Education
Inferential Statistics	Bachelors of commerce and

	Education
Pure and Financial Mathematics (1)	Bachelors of commerce and Education
Pure and Financial Mathematics (2)	Bachelors of commerce and Education
Applied Statistics	Bachelors of commerce and Education
Statistics for Economists	Bachelors of commerce
Mathematical and Statistical Methods	Master Science of commerce
Biostatistics	Master science of Nursing
Methodology	Ph.D. of commerce
Advanced Biostatistics	Ph.D. of Nursing

Conferences

Place	Date	Title
Cairo – Egypt	4-6/4/2019	Global Forum for Higher Education and Scientific Research
Kuala Lumpur – Malaysia Accepted for Poster Presentation	18-23/8/2019	62 nd ISI World Statistics Congress 2019 “A new difference method for variance estimation in nonparametric regression models”
London– United Kingdom Accepted for Presentation	10-12/7/2018	Computing Conference 2018 “Adjusting the Penalized Term for the Regularized Regression Models”
ISSR– Cairo University	Dec. 2014	Annual Statistical Conference, ISSR

ISSR– Cairo University	Dec. 2013	Annual Statistical Conference, ISSR
ISSR– Cairo University	Dec. 2012	Annual Statistical Conference, ISSR
ISSR– Cairo University	Dec. 2011	Annual Statistical Conference, ISSR
ISSR– Cairo University	Dec. 2010	Annual Statistical Conference, ISSR
ISSR– Cairo University	Dec. 2009	Annual Statistical Conference, ISSR “On the Single Index Model”
American University– Egypt	Dec. 2009	Tenth Islamic Countries Conference on Statistical Science (ICCS–X) “Statistical Inference in Generalized Partial Linear Models”
ISSR– Cairo University	Dec. 2008	Annual Statistical Conference, ISSR "Measuring the Creditability of Borrowers in Egyptian Business Loons using a generalized Partial Linear Model”

Seminars and Meeting

- Seminar on research projects funded by the Science and Technological Development Fund, 2019.
- Strategic Plan for Digital Transformation, 2019.

Professional Membership:

A member in International Association for Official Statistics (IAOS), a specialized section of International Statistical Institute (ISI). Membership no. 19215.

Scientific Reviewing

Reviewer of mathematical and statistical journals for the following journals:

- Journal of communication in mathematics and statistics. (2019-)

- American journal of theoretical and applied statistics. (2019-)
- Journal of advances in mathematics. (2018-)
- American journal of mathematics and statistics. (2015-)
- Journal of Applied Statistics. (Taylor & Francis). (2019).