

# Amr Soliman Mohamed Soliman



## Personal Info

Date of Birth: August 25<sup>th</sup>, 1981.

Place of Birth: Cairo, Egypt.

Citizenship: Egyptian.

Marital Status: Married.

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## Qualifications

- **Ph.D. in Insurance & Actuarial Sciences. Cairo University, Egypt. January 2017.**  
Thesis: Applying the Integrated Risk Management (IRM) Framework for Evaluating & Controlling Financial Risks.
- **M.Sc. in Insurance & Actuarial Sciences. Cairo University, Egypt. October 2010.**  
Thesis: Graduation of Mortality Rates by Using Numerical Analysis (Non-Parametric Approach).
- **B.Sc. in Actuarial Sciences, Faculty of Commerce, Cairo University, Egypt. May 2002.**

## **Employment**

- Associate Professor of Mathematics, Insurance and Actuarial Sciences, Faculty of Commerce, Cairo University. 2023 – Present.
- Actuarial Consultant for Family Development National Project – Ministry of Planning and Economic Development. 2021 – December 2024.
- Head of Actuarial Hub – GIG Kuwait in Egypt. February 2024 – Present.
- Executive Manager of the Social Center – Cairo University. 2022 – 2024.
- Academic Coordinator and Administrative Commissioner – Shikh Zayed Branch, Faculty of Commerce, Cairo University. 2018 – 2024.
- Academic Coordinator of Actuarial Science Program, Faculty of Commerce, Cairo University. 2019 – 2022.
- Academic Staff member at ESLSCA University – Egypt. 2019 – 2024.
- Academic Staff member at Nile University – Egypt. 2019
- Head of Digital Control for research at Faculty of Commerce - Cairo University for undergraduate, postgraduate and open education. 2020
- Visiting Professor at Georgia State University, Atlanta, USA. 2011.

## **National Projects**

- Actuarial consultant for Family Development National Project – Positive incentives program – Ministry of Planning and Economic Development.
- Participation in preparing the actuarial study for the Family Fund affiliated with the new Personal Status Law - Ministry of Justice.
  - Receiving a certificate of appreciation for this project from His Excellency President Abdel Fattah El-Sisi, the President of Egypt.
- Participating in preparing the actuarial study for the health care fund for faculty members and their assistants at universities, institutes and research centers affiliated with the Ministry of Higher Education and Scientific Research.
- Participate in amending the regulations of the health care fund of Faculty members and their Assistants in Universities, Institutes and Research Centers affiliated with the Ministry of Higher Education and Scientific Research.

## **Quality Assurance Accreditation**

- A member of the Quality Assurance Unit at the Faculty of Commerce - Cairo University, which obtained accreditation for the Actuarial Sciences Program.

## **Conference and Training Courses**

- The training program in anti-corruption and governance at the National Anti-Corruption Academy - Administrative Control Authority (2020).
- Methods of measurement, evaluation, and building the test at the Ministry of Higher Education in cooperation with the Electronic Testing Center at the Secretariat of the Supreme Council of Universities (2020).
- “Master Teacher Program” by Prof. Harvey J. Brightman, How to be Effective Teachers, How to write Learning Objectives. Atlanta, GA, USA. March 2011.
- “Consortium for International MArketing Research” (CIMaR). Atlanta, GA, USA. April 2011.
- The 8<sup>th</sup> annual Atlanta Competitive Advantage Conference (ACAC) at Georgia State University (GSU) Buckhead Center. Atlanta, GA, USA. May 2011.
- Cairo University International Conference on Business Sciences (CUCBS). Cairo, Egypt. April 2018.
- European Forum of Entrepreneurship, Proceedings of the 12th International Scientific Conference, Prague, March 2019.
- Presidential conference to launch the National Project for Egyptian Family Development, Egypt, February 2022.
- The First Arab Conference for Arab Actuaries, Cairo, Egypt, May 2023.

## **Languages and Skills**

### **1. Languages**

- Arabic – Mother tongue.
- English – Fluent English both spoken and written.

### **2. Computer Skills**

- Excellent use of computers, especially mathematical and statistical programs, for example (Excel, SPSS, MINITAB, MAPLE, R Package) in analyzing data, forecasting, and extrapolation.

## **Publications**

- 1) Morgan I., M. Yousri and A. Soliman. (2015) “An application of Bivariate Gaussian Copulas in calculating the correlation coefficients (Pearson, Spearman and Kendall’s Tau)”. *Egyptian Insurance and Actuarial Sciences Review*, Faculty of Commerce, Cairo University. 3, pp: 27-43.
- 2) Morgan I., M. Yousri and A. Soliman. (2015) “Measuring financial risks by calculating (VaR) and (ES) using Copulas”. *Egyptian Insurance and Actuarial Sciences Review*, Faculty of Commerce, Cairo University. 3, pp: 45-58.
- 3) Elsayed M. and A. Soliman. (2018) “Bühlmann & Bühlmann-Straub Credibility for Extreme Claims Applied on Non-Life Egyptian Insurance Market: (An Actuarial Approach)”. Cairo University International Conference on Business Sciences (CUCBS).
- 4) Elsayed M. and A. Soliman. (2018) “Prediction of Technical Reserves Based On Grey Model - GM (1,1): Evidence From Non-

Life Egyptian Insurance Market”. Cairo University International Conference on Business Sciences (CUCBS).

- 5) Soliman A. (2018) “Applying Extreme Value Theory on Non-Life Insurance Incurred Claims: Evidence from Egyptian Insurance Market”. *Egyptian Insurance and Actuarial Sciences Review*, Faculty of Commerce, Cairo University.
- 6) Benetti K., ELsayed M., Soliman A., Khalil D., (2019). “Credibility Modelling for Extreme Losses of Natural Hazards in Czech Republic: An Actuarial Approach”. Liberec Economic Forum, Proceedings of the 14<sup>th</sup> International Conference. 17<sup>th</sup> – 18<sup>th</sup> September 2019, Liberec, Czech Republic.
- 7) Elsayed M. and A. Soliman. (2020) “MCMC and GLMs for Estimating Regression Parameters: Evidence from Non-life Egyptian Insurance Sector”. *Journal of Humanities and Applied Social Sciences*, Volume 2, Issue 1.
- 8) Elsayed M. and A. Soliman. (2021) “Prediction of Loss Ratio Using Nonparametric Regression”. *Scientific Journal for Financial and Commercial Studies and Researches (SJFCSR)*, Faculty of Commerce – Damietta University, Vol.2, No.1, Part 1.
- 9) Kortam W. and A. Soliman. (2021) “Using Extrapolation Techniques of Big Data to Improve the Effectiveness of Sales Forecasting – Empirical Evidence on the Egyptian Passengers Automobile Market”. *Archives of Business research* - Vol.9, No. 4. DOI: 10.14738/abr.94.10022.

- 10) Khalil D., ELsayed M., Soliman A., (2022). “Post pandemic strategy to the Egyptian Insurance market – A Statistical Approach - ” Journal of Financial and Commercial Researches, V4 – 23.

## **Thesis Supervisions**

- Ph.D. Thesis – Rana Mohamed Abd Allah Hussien - A quantitative model for pricing group medical insurance with application on the Egyptian insurance market.
- Ph.D. Thesis – Randa Mostafa Mohamed - Strategies of Risk-Based Pricing: Using Generalized Additive Models for Location, Scale and Shape (GAMLSS) Theory.
- Ph.D. Thesis – Sarah Elsayed Ahmed Lasheen - WAVELET-BASED MORTALITY. CURVES SMOOTHING AND FORECASTING.