

Curriculum Vita of

Prof. Zeinab Mahmoud Selim

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Nationality:	E-mail: zmselim@yahoo.com Egyptian.
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Personal Data Married with 3 children.

Education: University of Iowa (Iowa City, Iowa, USA)
Ph.D. in Statistics, December 1979.
M. S. in Statistics, January 1972.

Cairo University (Faculty of Economics and Political Sciences, Giza ,Egypt)
B.S. in Statistics, July 1967.

Languages: Arabic, English (Fluent).

Honors and Awards:

- Faculty of Economics and Political Science Honorary Award for continuous contributions and efforts made towards achieving the faculty goal of obtaining accreditation, 2010.
- King Abdul Aziz University Honorary Award for efforts in the pilot project of the preparation of the university self study for institutional accreditation, 2007.
- Faculty of Science, King Abdul Aziz University of Saudi Arabia Certificate of appreciation and recognition of dedication and commitment to work and for contributions towards the development of the Department of Statistics.
- King Abdul Aziz University certificate of Honor, 2007.
- Egyptian Statistical Society Medallion of Honor for efforts in the field of Statistics, 1997.
- Institute of Statistical Studies and Research Medallion and Certificate of Honor in recognition of dedication and commitment to work in the field of statistics, 1997.
- Tuition scholarship and Research Assistantship awarded by University of Iowa, 1972-1975.
- The National Bank of Egypt Cash Award to top ranking B.Sc. graduate in Statistics 1967.

Research : Rank tests, Parameter estimation, Transformation to symmetry for univariate
Areas and bivariate data, Applied multivariate analysis.

Courses : Introductory Statistics, Linear Algebra, Calculus, Probability and Mathematical
Taught Statistics, Probability, Stochastic Processes, Theory of Statistics, Nonparametric
Statistics, Econometrics.

Academic Appointments:

2007(July)- present Professor Emeritus, Department of Statistics, Faculty of Economics and Political Sciences, Cairo University, Giza, Egypt

- 2011/2012 Professor at American University in Cairo (AUC)

2004- 2007 Professor

Department of Statistics, Faculty of Science, King Abdul-Aziz University, Jeddah, Kingdom of Saudi Arabia

1995- 2004 Professor (Department Chair from September 1996 till February 2001)

Department of Statistics, Faculty of Economics and Political Sciences
Cairo University, Giza, Egypt

1988- 1995 Associate Professor

Institute of Public Administration, Riyadh, Saudi Arabia (1988-1992)
Department of Statistics, Faculty of Economics and Political Sciences
Cairo University, Giza, Egypt (1992-1995)

1982- 1988 Assistant Professor

Department of Statistics, Faculty of Economics and Political Sciences
Cairo University, Giza, Egypt

1980-1981 Assistant Professor

Department of Mathematics, Mary Washington University, Fredericksburg,
VA. USA

1978- 1979 Instructor

Department of Mathematics, Mary Washington University
Fredericksburg, VA. USA

Fall 1976 Instructor

Department of Mathematics, Simmons College, Boston, Ma. USA

1972- 1975 Research Assistant

University of Iowa Evaluation and Examination Service
University of Iowa, Iowa City, Iowa USA

1967- 1970 Teaching Assistant

Department of Statistics, Faculty of Economics and Political Sciences
Cairo University, Giza, Egypt

Administrative and Consulting Experiences:

Feb. 2001-Feb.2004 Vice Dean for Student Affairs, Faculty of Economics and Political Sciences Cairo University, Giza, Egypt

Sept. 1996 – Feb. 2001 Chair, Department of Statistics, Faculty of Economics and Political Sciences Cairo University, Giza, Egypt

Jan.-Aug. 2001 Research Consultant and Trainer of Trainers, USAID financed Center of Development and Population Activities (CEDPA).

1988-1992 Design and Implementation of Training Programs in Statistics For senior administrators in the Saudi Government, Institute of Public Administration, Riyadh, Saudi Arabia

1975-1976 Statistical Consulting (occasional) for Abt Associates, Cambridge, Ma. USA

Experiences Related to Quality Assurance in Higher Education:

- Member of the steering Committee for the pilot project of the preparation of King Abdul-Aziz University self study, the first step for institutional accreditation, 2006-2007
- Member of the National Committee for Quality Assurance and Accreditation Project, 2001-2004.
- Member of Cairo University Project Implementation Unit, 2001-2004.
- Head of the Quality Assurance Unit, (previously named Performance Evaluation Unit) of the Faculty of Economics and Political Science, Cairo University, 2001-2004.
- General Coordinator of the task force responsible for conducting the self assessment of the Faculty of Economics and Political Science.
- Member of a delegation participating in a study tour to the United Kingdom that included a visit to the Quality Assurance Agency and some British Universities.
- Member of the Steering Committee of the "Pathways for Higher Education" Project.

Students Supervised:

- Served as the principle advisor for the following graduate students: Afrah Bosly (King Abdul-Aziz University, SA), Lamis El Amoudi, Soha Badr, Doha Adel (King Abdul-Aziz University, Saudi Arabia) and Abdel Nasser Saad, Abeer El- Baz, Abeer El- Helbawi (Cairo University.)
- Served as a committee member for Nihal Afifi and Remah El Sawi (Alexandria University), Nouf El Barakati (King Abdul-Aziz University, SA), Amany Aly El-Kolaly, Samir Wagih (Cairo University) Khalid Bedir (Tanta University)

Professional Service Activities:

Has served as

- Member of faculty of economics and political science council, 1996-2004, 2005/2006.
- Board member of the Center for Surveys and Statistical Applications, Faculty of Economics and Political Science, Cairo University, 1996-2004.
- Board member of the Center for Political Research & Studies, Faculty of Economics and Political Science, Cairo University, 2001-2004.

Serving as

- Member of the scientific committee for promoting faculty staff (assistant and associate professors) of statistics.
- Peer Reviewer for the Egyptian Statistical Journal, ISSR, Cairo University since 1992.
- Member of the Egyptian Society of Economics, Jurisprudence and Statistics.

Publications

- Selim, Z. M. (2010) " A Bivariate Beta Family Revisited-New members and Close Relatives " Proceedings of the 22nd Annual Conference on Statistics and Computer Modeling in Human and Social Sciences, Department of Statistics, Faculty of Economics and Political Science, Cairo University, Cairo, Egypt.
- Selim, Z. M. (2007) " A New Bivariate Beta Distribution with Selected Applications" Proceedings of the 19th Annual Conference on Statistics and Computer Modeling in Human and Social Sciences, Department of Statistics, Faculty of Economics and Political Science, Cairo University, Cairo, Egypt.
- Selim, Z. M., El Zanaty, F.H., and Moreland, S. (1998) "What can Egypt Learn from the Asian Tigers in Terms of Achieving a Demographic Transition?" One of seven papers written as a research project for the Center for Asian Studies, Cairo University and State Information

Service and presented at a seminar titled "Population Policies and Development in East Asia: Lessons Learned" held in Cairo on December 1988.

- Selim, Z. M., Ismail, S. A., and El Baz, A. A. (1997), "On Box and Cox Transformation of Multivariate Data," Proceedings of the 9th Annual Conference on Statistics and Computer Modelling in Human and Social Sciences, Department of Statistics and Center of Information and Computing Systems, Faculty of Economics and Political Science, Cairo University, Cairo, Egypt.
- Selim, Z. M., Ismail, M. A., Ismail, S. A., and El Helbawy, A. A. (1997), "Bayesian Estimation and Prediction under the Rayleigh Distribution," Proceedings of the 9th Annual Conference on Statistics and Computer Modelling in Human and Social Sciences, Department of Statistics and Center of Information and Computing Systems, Faculty of Economics and Political Science, Cairo University, Cairo, Egypt.
- Selim, Z. M. (1994), "Finite Sample Performance of Estimators of Bounds of Random Variables; A Monte Carlo Study," Economic and Business Review, Faculty of Commerce, Ain Shams University, Vol. 1
- Selim, Z. M. (1994), "Estimating the Parameter of a Symmetrizing Transformation; A Distribution Free Approach," Proceedings of the 29th Annual Conference on Statistics, Computer Science, and Operations Research, Institute of Statistical Studies, Cairo University, Cairo, Egypt.
- Selim, Z. M. and Sadik R. (1994), "A Proposed Transformation to Symmetry for Variables with Bounded Support," Proceedings of the 6th Annual Conference on Statistics and Computer Modeling in Human and Social Sciences, Department of Statistics and Center of Information and Computing Systems, Faculty of Economics and Political Science, Cairo University, Cairo, Egypt.
- Selim, Z. M. (1994), "Evaluation of the Performances of Several Methods of Estimating the Shape Parameters of the Standard Beta Distribution; An Empirical Study," Proceedings of the 6th Annual Conference on Statistics and Computer Modelling in Human and Social Sciences, Department of Statistics and Center of Information and Computing Systems, Faculty of Economics and Political Science, Cairo University, Cairo, Egypt.
- Selim, Z. M. (1993), "A New Method for Estimating the Shape Parameters of the Standard Beta Distribution," Proceedings of the 5th Annual Conference on Statistics and Computer Modeling in Human and Social Sciences, Department of Statistics and Center of Information and Computing Systems, Faculty of Economics and Political Science, Cairo University, Cairo, Egypt.
- Selim, Z. M. (1991), "Improving an Approximation of the Digamma Function with Applications in Statistics," The Egyptian Statistical Journal, ISSR, Cairo University, Vol. 35, 2.
- Selim, Z. M. (1988), "On Classical and Bayesian Estimation of the Shape Parameters of the Generalized Arcsine Distribution," Proceedings of the 13th International Congress for Statistics, Computer Science, and Social and Demographic Research, Cairo, Egypt.
- Selim, Z. M. and Saad, Abdel Naser (1987), "Estimation of the Shape Parameters of the Standard Beta Distribution," Proceedings of the 12th International Congress for Statistics, Computer Science, and Social and Demographic Research, Cairo, Egypt.
- Selim, Z. M. (1987), "Exact and Approximate Critical Values for the ψ -Test for Dispersion" The Egyptian Statistical Journal, ISSR, Cairo University, Vol. 31.
- Selim, Z. M. (1986), "A Two-Sample Rank Test for the Dispersion Problem," Proceedings of the 21st Annual Conference on Statistics, Computer Science, and Operations Research, Institute of Statistical Studies, Cairo University, Cairo, Egypt.

بحوث ودراسات باللغة العربية

- طارق عبد الوهاب عميرة و زينب محمود سليم، " دور قسم الإحصاء الريادي ومساهماته داخل الكلية وخارجها قوميا وعربيا " ورقة بحثية قدمت في مؤتمر: مصر وكلية الاقتصاد والعلوم السياسية في عهد من التغيير، مارس 2010.
- زينب محمود سليم، "منهجية مقترحة لإعداد إستراتيجية تطوير قسم الإحصاء بكلية الاقتصاد والعلوم السياسية" ورقة بحثية قدمت في مؤتمر قسم الإحصاء بكلية الاقتصاد والعلوم السياسية حول تطوير المحتوى العلمي لمقررات الإحصاء، نوفمبر 2007 .
- زينب محمود سليم، " التجربة المصرية في إنشاء نظام قومي لضمان جودة التعليم العالي " ورقة بحثية قدمت في المؤتمر السنوي لمركز البحوث والدراسات السياسية، كلية الاقتصاد والعلوم السياسية، جامعة القاهرة، 2004.
- زينب محمود سليم، خديجة عبد الرحمن عطية " تطوير نموذج لتحليل التمايز بين الوحدات الإدارية الريفية والحضرية في مصر " ، المؤتمر السنوي العاشر للإحصاء والنمذجة الآلية في العلوم الاجتماعية والإنسانية ، قسم الإحصاء ومركز المعلومات ونظم الحاسبات ، كلية الاقتصاد والعلوم السياسية، جامعة القاهرة، 1998.
- زينب محمود سليم، منال محمد متولي ، سلوى سليمان " تقييم المشروعات الصغيرة الممولة من الصندوق الاجتماعي للتنمية في منطقة القاهرة الكبرى: المشكلات ومحددات النجاح"، المؤتمر السنوي العاشر للإحصاء والنمذجة الآلية في العلوم الاجتماعية والإنسانية ، قسم الإحصاء ومركز المعلومات ونظم الحاسبات ، كلية الاقتصاد والعلوم السياسية، جامعة القاهرة، 1998.
- ليلى عبد الوهاب ، وداد مرقص ، زينب سليم، " دراسة أوضاع المرأة في الدول أعضاء اللجنة الاقتصادية لغرب آسيا (الاسكوا) في الفترة 1976-1984؛ والخطوط العريضة لإستراتيجية التنمية حتى عام 2000 "، قدمت الدراسة في اجتماع لجنة الاسكوا الذي عقد في بغداد بتاريخ 29 أكتوبر 1984.