

Department of Mathematics
Obafemi Awolowo University,
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ADEYEMI, Shola



PERSONAL INFORMATION

Marital status: Married
State & Local Govt. of Origin: Kwara & Irepodun
Date of Birth 19th February 19974
Nationality: Nigeria
Place of Birth: Esie, Kwara State.
Next of Kin: Mrs. Omotayo Olushola Adeyemi
Name of Kids: Fiyinfoluwa and Oluwatomiwa
Website: http://www.oauife.edu.ng/intraweb/staff_pages/show.php?id=82

HIGHER EDUCATION BACKGROUND

Date	Universities Attended	Qualification
2002-Sept.2005	Obafemi Awolowo University Ile-Ife, Nigeria	Ph.D Mathematics (Statistics option,in view)
2000 - 2001	Obafemi Awolowo University, Ile-Ife, Osun State Nigeria.	M.Sc. Mathematics (Statistics Option)
1992 - 1997	University of Ibadan, Ibadan, Nigeria.	B.Sc. Statistics

OTHER DISTINCTIONS AND AWARD WITH DATES

- (i) Second Best Graduating Student, Department of Statistics University of Ibadan, Ibadan, Oyo State. 1997.
- (ii) Obafemi Awolowo Postgraduate Scholarship, 2000 till Date.
- (iii) European Mathematical Society Grant to attend the EMS Summer School in Empirical Processes 2004 in Spain.
- (iv) Visiting Fellow, Katholieke Universitet Leuven, Belgium January 23rd - 30th 2005.
- (v) European Mathematical Society Grant to attend the EMS Summer School in Recent Trends in Combinatorics September 2005 in Spain.

PERSONAL SKILL AND PROFESSIONAL ACCOMPLISHMENT/PROFICIENCY

1. Computer Proficiency:

Word Processor: LATEX, MS Word, W/perfect and Adobe
PageMaker.
Spreadsheets: MS Excel and SPSS.
Graphic & Drawing: CorelDraw, MS PowerPoint,
Programming: FORTRAN 77.
Mathematics Packages: R, Matlab, Maple V

2. Good knowledge of Process Design, Optimization, Total Quality Management and Safety in Industries
3. Consultant, Wronskian Educational Consult, 49, Idumagbo Avenue, Lagos, Nigeria.
4. Consultant (Care of the Aged), Community Mobilization for Development, Mayfair Roundabout, Ile-Ife, Nigeria.
5. Reviewer, Mathematical Reviews of the American Mathematical Society
6. Member, American Mathematical Society
7. Member, Research Group in Mathematical Inequalities and Application, Victorial University of Melbourne, Australia.
8. Member, Nigerian Mathematical Society

WORK EXPERIENCE

1. Computer Operator/Data Analyst Department of Mathematics Obafemi Awolowo University, Ile-Ife, Osun State (National Youth Service Scheme). July 1998 to July 1999.
2. Graduate Assistant, Department of Mathematics, O.A.U., Ile-Ife, 1999 - 2001.
3. Assistant Lecturer, Department of Mathematics, O.A.U., Ile-Ife, 2001- 30th Sept 2003.
4. Lecturer II, Department of Mathematics, O.A.U., Ile-Ife, 1st October 2003 till Date.
5. Member of Food Research Group, (Prof. S.R.A. Adewusi) Chemistry Department, O.A.U Ile-Ife. 2002 till date.
6. Staff Research Assistant, Los Alamos National Laboratory, Los Alamos, New Mexico, United States. 1st June - 20th August, 2004.

PROJECT UNDERTAKEN WITH DATES

1. Baseline Survey of the VISION Project with Center for Research Evaluation, Resources and Development in conjunction with MEASURE Evaluation of Tulane University, USA 2002. I served as a Supervisor in Oyo State, Nigeria. Participated in the proposal development, training of field workers as well as in the report writing.
2. Properties and Applications of the generalized Gumbel Distribution, M.Sc. Thesis 2001. The work proposed a model for extreme events modeling. The mathematical properties of the model were studied as well as application to flood and earthquake modeling
3. Time Series Analysis of Patronage of the University of Ibadan Guest Houses, 1998 B.Sc. Project.
4. Exploratory Analysis of Vibration Data for Damage Detection in Civil Engineering Structures, Los Alamos National Laboratory, Los Alamos, New Mexico, US 2004.
We used time series analysis on vibration data to be able to detect changes in civil engineering structures.
5. PATHS-NIGERIA survey on the factors influencing the uptake of Immunization, 2004. Supported by Department for International development. I served as a Supervisor in Borno State, Nigeria. Participate in the proposal development, training of field workers as well as in the report writing.
6. COMPASS 2005 Baseline Survey on Health, Education and Social Services. Supported by United States Agency for International Development. I served as a Supervisor in Lagos State, Nigeria. Participate in the proposal development, training of field workers as well as in the report writing.

LIST OF PUBLICATIONS

- a. **Adeyemi**, Shola (2002) "Some Recurrence Relations for Single and Product Moments of Order Statistics from the Generalized Pareto Distribution". *Journal of Statistical Research*. vol. 36, no.2, pp 167-175. <http://www.isrt.ac.bd/jsr/issue/v36n2.html>
- b. **Adeyemi**, Shola "On A generalization of the Gumbel Distribution", *InterStat*, November, 2002 Article 4 <http://interstat.stat.vt.edu/InterStat/ARTICLES/2002/articles/N02004.pdf>
- c. **Adeyemi**, Shola "Some Recurrence Relations for Moments of Order Statistics from A Symmetric Generalized Log-logistic Distribution", *InterStat*, December 2002, Article 1.

<http://interstat.stat.vt.edu/InterStat/ARTICLES/2002/articles/D02001.pdf>

- d. **Adeyemi**, Shola and Mathew O. Ojo : "A generalization of the Gumbel Distribution" Kragujevac Journal of Mathematics Vol. 25, 2003, 19 - 30.
<http://www.komunikacija.org.yu/komunikacija/casopisi/kragmatj/25/d002/download>
- e. **Adeyemi**, Shola and Mathew O. Ojo: "Higher Moments of Order Statistics from the Generalized Pareto Distribution" Journal of Statistical Research 2004, Vol. 38, No. 2, pp. 167-181.
<http://www.isrt.ac.bd/jsr/issue/v38n2.html>
- f. **Adeyemi**, Shola and Mathew O. Ojo "Further Results on Order Statistics from the Generalized Log-logistic Distribution" Journal of Applied Sciences 4(1), 2004, 83 - 89.
http://www.ansinet.org/detail_issue.php?V_No=340&j_id=jas
- g. **Adeyemi**, Shola "On Moments for Order Statistics in Shift Parameter Exponential Distribution" Journal of Statistical Studies, vol. 23, 2003, 63 - 70.
- h. Ojo, M.O. and S. **Adeyemi** "Distribution of the sum of n independent and identically distributed generalized Gumbel random variables" Journal of Mathematics and Statistics (accepted).
- I. **Adeyemi**, Shola and A.O Adebajji "The Exponentiated generalized Pareto distribution" Ife Journal of Sciences vol. 6, no. 2, 2004, 127 - 133.
http://www.ajol.info/journal_index.php?ab=ijs&jid=219
- j. **Adeyemi**, Shola "On generalized extreme-value order statistics and moments" Kragujevac Journal of Mathematics Kragujevac J. Math. 26 2004, 139 - 152.
<http://www.komunikacija.org.yu/komunikacija/casopisi/kragmatj/26/d015/download>

WORKS ACCEPTED

- k. Adeyemi, Shola and Atinuke Adebajji "The Exponentiated Generalized Extreme-value Distribution" Journal of Theoretical Statistics.
- l. Adeyemi, Shola and Atinuke Adebajji "Some Recurrence Relations for Moments of Order Statistics from a Generalized Log-logistic Distribution" Proceedings of an International conference in honour of Prof. E.O. Oshobi and Dr. J.O. Amao.

WORKS IN PREPARATION

- (i) A Statistical model for ageing
- (ii) Environmental modeling of extreme temperature: order statistical approach.
- (iii) Exponentiated generalized extreme value distribution and application to damage detection in civil engineering structures.

WORKSHOPS ATTENDED WITH DATES AND PAPERS PRESENTED

- (i) 8th Conference of the Nigerian Mathematical Society, Abeokuta, 1999
- (ii) 8th Conference of the Quality Control Society of Nigeria, Abeokuta, 1999
- (iii) World Quality Day Celebration of the Quality Control Society of Nigeria, Abeokuta, 11th November, 1999
- (iv) Foundation Postgraduate Course on the Methods and Applications of Optimal Control Theory, National Mathematical Centre, Abuja (10/10/99 - 23/10/99)
- (v) Foundation Postgraduate Course in Optimization with Superconvergent Line Series in Design of Experiment, National Mathematical Center, Abuja, Nigeria October 2000.
- (vi) Workshop on civic enlightenemnt and Leadership development for women University students, O.A.U., Ile-Ife August 1999 - February 2000.
- (vii) 7th Edward Bouchet/Abdul Salam College on Functional Analysis and its Applications to Differential Equations, Accra, Ghana, July, 2001.
- (viii) Research Oriented Course in Probability and Stochastic Processes, National Mathematical Centre, Abuja, Nigeria, November, 2001.

- (ix) International Biometrics Society, Group Nigeria Meeting, University of Ibadan September 2001.
- (x) 4th Regional Workshop on Modeling, Simulation and Optimization, Accra, Ghana, April 2002: A generalized Gumbel Model for Earthquake Prediction.
- (xi) 8th Edward Bouchet/Abdul Salam College on Functional Analysis and its Applications to Differential Equations, Accra, Ghana, July, 2002: The Normal Moments Distribution.
- (xii) 21st Annual Conference of the Nigerian Mathematical Society, Yola, 2002. Presentation: On the Log-gamma Distribution.
- (xiii) International Biometrics Society Group Nigeria Meeting, IITA, Ibadan December 2002.
- (xiv) 5th Regional Workshop on Modelling, Simulation and Optimization, Accra, Ghana, June 2003: Recurrence Relations for moments of order statistics from a symmetric generalized log-logistic distribution.
- (xv) West African Summer School on Algebraic Combinatorics, University of Cape Coast, Ghana, August 2003.
- (xvi) Third Workshop on Contemporary Problems in Mathematical Physics COPROMAPH3, Benin Republic. 1st - 7th Nov., 2003.
- (xvii) African Congress of Mathematicians International Conference in Mathematical Sciences, ACM-ICMS, University of Agriculture, Abeokuta, Nigeria. 16th - 22nd November 2003.
- (xviii) Workshop on Promoting Entrepreneurial Resourcefulness of Graduates, Center for Industrial Research and Development (CIRD), Obafemi Awolowo University, Ile-Ife, Nigeria.
- (xix) Mathematical Methods of Reliability conference Conference MMR 2004, Santa Fe, New Mexico, US 21st June- 25th June 2004.
Session chair, Presentation: Moments of order statistics from the truncated Burr XII

distribution: A complimentary note with application.

(xx) International Conference: Mathematics in the contemporary world, in honour of Prof. E.O. Oshobi and Dr. J.O. Amao, 15th December, 2004.

(xxi) 24th Annual Conference of the Nigerian Mathematical Society, Olabisi Onanbanjo University, Ago-Iwoye, April 2005.

HOBBIES

Reading, Traveling, Soccer and Music (Oldies)

ANY OTHER RELEVANT INFORMATION:

I have been involved in teaching of Undergraduate Mathematics and Statistics in the Department of Mathematics Obafemi Awolowo University, Ile-Ife since 1999. I have done research in order statistics, distribution theory and applications to medical, environmental and biological problems. I enjoy to do research with collaborators in any field of Statistics and applicable areas in line with the new global focus on multidisciplinary research.

REFEREES

Prof. A.A. Adewuyi
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