Osho O. Ajayi (*Ph.D*)

School of Arts and Sciences,
American University of Nigeria, Yola

Curriculum Vitae

***Education Background:**

Ph.D. (Statistics), University of Glasgow, Scotland UK, 2005
M.Sc (Statistics -Distinction grade), University of Ibadan, Nigeria, 1997
B.Sc. (Statistics - 1st Class Honors), University of Ibadan, Nigeria, 1994

***Employment History:**

Current: Assist/Professor of Statistics, American University of Nigeria, Yola

Previous:

Research Associate, University of St-Andrews, St-Andrews, Scotland
Research on developing a valid statistical test for the mode of population divergence of Senecio in the UK - *a population genetics work*

MRC-BSU, Institute of Public Health, University of Cambridge, Cambridge.
Research on developing statistical analysis tool for testing hypothesis on extreme expression levels of genes under varying experimental and environmental conditions. – *a statistical genetics work*

School of Biology, University of Reading, England, UK.
Analysis of population genetics in using a number of candidate data to model the estimation of recombination rate in different types of popu lations – (*a statistical genetics work*)

Tutor & Demonstrator, Statistics Dept, University of Glasgow, UK.

Taught and demonstred course modules:-

(1) Statistical methods for analysing biomedical science data.
(2) Procedures in the formulation and tests of statistical hypotheses.
(3) Statistical methods in Psychology
(4) Elementary stochastic simulation.
(5) Tutorials in probability theory.

***Courses Attended:**

1998 Research Project management, *ICIPE*, Nairobi Kenya
1999 Distance Population Sampling, UoN Nairobi, Kenya
1999 Integrated Pest Management, CINADCO, Israel
2000 Teaching & Learning Service Training, Glasgow University
2002 Genetic epidemiology, University of Plymouth.

***Awards :**

University Scholar :	1994 - 1997	University of Ibadan, Nigeria
ARRPIS Scholar:	1998 - 1999	ICIPE Nairobi, Kenya
Mashav Scholarship:	1999 - 1999	Government of The State of Israel
Postgraduate Scholarship:	1999 - 2002	Glasgow University

***Computer Skills:**

R, S-Plus, Matlab, SAS, LaTeX, C & C++, UNIX/LINUX & MS/Window platforms

***Research Area:**

General Intereset:

- Statistical Modelling; Application of Statistics in human and population genetics data, analysis of epidemiology, and biomedical sciences data.

Current Work:

- 1) Model training for the effective description of time-stochastic events (the example of Boko-Haram attack data).
  2) A model for describing the childbirth history of a cohort of women of childbearing age with the aim of capturing necessary influencing factors.

***Membership of Learned Societies:**

- The International Biometrics Society
- The Institute of Mathematical Statistics
- The American Statistical Association

***Computer Skills:**

R, S-Plus, Matlab, SAS, LaTeX, C & C++, UNIX/LINUX & MS/Window platforms

***Publications/Conferences talks:**

J. S. Olumoh, O.O.M. Sanni, O.O. Ajayi, and E.T. Jolayemi (2017). A new Mixture model from Generalized Poisson and Generalized inverse Gaussian distribution. Far East Journal of Theoretical Statistics, 53(3): 139-160.

J.S. Olumoh, O.O.M. Sanni, O.O. Ajayi, and E.T. Jolayemi (2016) . A Generalized-Poisson Generalized-Inverse-Gaussian Model for Analyzing Count Data. Journal of Mathematical Sciences, 10(2): 35 – 45.

Olumoh, J. S & Ajayi, O. O. (2014). A logistic Regression Analysis of Malaria Control Data. European International Journal of Science and Technolgy, Vol 3.8

Jamiu S. Olumoh & O.O. Ajayi (2013) A logistic Regression analysis of Malaria Control Data. *the XXIX-th European Meeting of Statisticians 2013, Budapest, Hungary*.

Osho O. Ajayi (2011). Estimating the variation in Malaria Incidence Rate in a Heterogeneous Population. *2011 Joint Statistical Meeting, Miami Beach, USA.*

O.O. Ajayi, A.Odulaja, S.Nokoe & A Bamiduro (1999). Gender specific factors affecting agricultural output of small-scale farmers in Africa: Western Kenya, a case study. *Journal of Trop. For. Resources, Vol. 15.2, pp:130-136*

O. O. Ajayi (1999). System analysis models for evaluating control methods and associated risks in Integrated Pest Management (IPM). A statistical study proposal to *The Capacity Building Dept. of ICIPE* in Nairobi, Kenya

O. O. Ajayi (1999). Gender factors in the volume of agricultural output of subsistence farmers in Africa: a case study. *International Biometrics Society Conference, Sub-Sahara African Region, Aug. 1999. IITA Ibadan, Nigeria*.

Shola Ajayi (2005). The Coalsecent theory: A discussion. (Talk delivered to MRC-BSU Scientist in June 2005, Cambridge).

O. O. Ajayi, (2004). A novel method for estimating the scale recombination rate from sequence data. *Talk at INTERFACE 2004: Conference of the Interface foundation of North America, May 2004. Baltimore, USA,.*

O.O. Ajayi (2002) Principal component methods for the statistical analysis of shape data: a covariate approach. *Poster at the International Biometrics Society Conference, July 2002. Freiburg, Germany.*

O.O. Ajayi(2002). A weighted approach to the analysis of shape data. Young Statistician's Meeting (YSM), Mar. 2002. Edinburgh.

M. Bock, A. W. Bowman & O. O. Ajayi, (2001). Three dimensional Assessment of facial Growth in Children. *Poster presented at the Conference of the Royal Statistical Society , July 2001. Glasgow.*

***Activities & Responsibilities**

2000 - 2002 Warden, Glasgow University Halls of Residence.
1998 - 1999 Chair, ARPPIS, Welfare Committee, *ICIPE* Nairobi, KENYA
1995/6 – 96/7 Chair, M.Sc. Class of 96", University of Ibadan
1991 - 1994 Chair,1991-94;Undergraduate class of 94", University of Ibadan