Jamiu Shehu Olumoh, PhD
American University of Nigeria Yola,
Adamawa State, Nigeria

Home Phone: +234(0)-80-3856-8837
Mobile Phone: +234(0)-80-5666-7324
Email: jamiu.olumoh@aun.edu.ng
Email: josolumoh@yahoo.com

OBJECTIVE

To contribute to the strategic planning and development of institution/organization through Research and Team-work with zeal and candor.

AREA OF EXPERTISE

Distribution Theory, Count and Categorical Data Models, Over-dispersion/Under-dispersion problems in Count Data, Biostatistics and, the general application of Statistical Methods in Life and Social Sciences -I use my advanced analytical and processing skills in combining innovative modeling in an interdisciplinary setting to provide meaningful insights into evaluation and assessment of various outcomes (education, health, social, and economic).

EDUCATION

PhD – Statistics **2018**
University of Ilorin, Ilorin, Nigeria

Thesis: "Development of Probability Mass Function

for Emergency Count Data"

MSc- Statistics **2007**
University of Ilorin, Ilorin, Nigeria

BSc- Statistics (Honor 2nd Upper Division) **2004**
University of Ilorin, Ilorin, Nigeria

NCE- Mathematics and Economics **2000**
Kwara State College of Education, Ilorin Nigeria

TEACHING EXPERIENCES

Assistant Professor of Statistics: School of Arts and Sciences March, 2018
Responsibilities: [1] Teaching under-graduate and Post-graduate general courses in Mathematics and Statistics such as University Algebra, Finite Mathematics, Calculus, Introduction to Statistics, probability & Statistics, Business Mathematics, and Business Statistics. [2] Conducting research in area of Statistics (methods and analyses) and interdisciplinary courses. [3] Taking part in community development service.

Visiting Scholar at Australian Institute of Tropical Health & Medicine, James Cook University, July/August, 2019
Responsibilities: Started collaborative research work on geo-statistical analysis of insurgency activities in Nigeria: where, when and what was attacked and other environmental/clinical related research.

Instructor of Mathematics and Statistics: School of Arts and Sciences January, 2009
Responsibilities: [1] Teaching under-graduate and Post-graduate general courses in Mathematics and Statistics such as University Algebra, Finite Mathematics, Calculus, Introduction to Statistics, probability & Statistics, Business Mathematics, and Business Statistics. [2] Conducting research in area of Statistics (methods and analyses) and interdisciplinary courses. [3] Taking part in community development service-Coaching, Grooming and drilling secondary school students in Yola, teaching in AUN's orientation classes, and serving as the secretary to the unit of Mathematics and Statistics.

Quality Assurance Officer: IQRA Consolidated Foundation, Ilorin. July, 2005
***Responsibilities*:** [1]Teaching university preliminary mathematics classes, [2] ensuring quality in teaching and learning**,** [3] coordinating internal and external Examinations, and [4] coordinating school's Activities (Curricular and Extra Curricular).

ADDITIONAL OPPORTUNITIES CREATED AT AUN

i. **University Collaboration**: Facilitated collaboration between American University of Nigeria (AUN) and James Cook University (JCU). MoU is at verge of completion.

ii. Grant: Attracted grant of sum of three million, six hundred thousand naira (#3,600,000) per annual as level of effort (LOE) remitted to AUN account on a monthly base from USAID SENSE project from June 2019 to May 2020.

RESEARCH-WORKING PAPERS

- Multivariate multilevel models for school effectiveness: Analysis of that from Strengthening Education in the North-East Nigeria States (SENSE) study. (Work in progress)
- A Qausi-Negative Binomial regression model: An application to some real-life count data. (In press)
- Geo-statistical analysis of insurgency activities in Nigeria: where, when and what was attacked (work in progress)

- Microbial assessment of groundwater contamination from Refuse sites in Doubeli Ward, Jimeta, Northeastern Nigeria. (work in progress)

RESEARCH- Published

- Chikaodili E. Chukwuneke , Feyisayo V. Adams , Joshua O. Madu , Bolade O. Agboola , Victory F. Inyang , **Jamiu S. Olumoh** , Charles Reith , Christiana Okere & Jennifer A. Tyndall: Evaluation of seasonal variation of heavy metal contamination and health risk assessment in Sabore field Adamawa State, Nigeria International Journal of Environmental Analytical Chemistry (2020) https://doi.org/10.1080/03067319.2020.1814270

- Majeed A.Adegboye, **Jamiu Olumoh**, Timor Saffary, Faiz Elfaki, Oyelola A.Adegboye.. Effects of time-lagged meteorological variables on attributable risk of leishmaniasis in central region of Afghanistan. Science of the Environment 685 (2019)533-541. https://doi.org/10.1016/j.scitotenv.2019.05.401

- **J.S. Olumoh**, O.O.M. Sanni, O.O. Ajayi, and E.T. Jolayemi. A new Mixture model from Generalized Poisson and Generalized inverse Gaussian distribution. Far East Journal of Theoretical Statistics, 53(3): 139-160 (May 2017) **http://dx.doi.org/10.17654/TS053030139**

- **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** and Ajayi, O.O: A Logistic Regression Model Analysis of Control of Malaria. European International Journal of Science and Technology. 2014, 3(8): 101-107

- Tyndall, J. A, **Olumoh, J S**: The Dilemma of Falciparum Malaria and Telecommunications in Northeastern Nigeria. American Journal of Scientific and Industrial Research. 2012, 3(3): 157-165

- **Olumoh, J.S** and Oyejola B.A: Comparison of Methods of Estimating Parameters of Linear Regression Models with Autocorrelated Errors and Autoregressive Regressor. International Journal of Statistics and Systems. ISSN 0973-2675, Volume 6, Number 3 (2011),pp 327-337.

CONFERENCE/SEMINAR PAPERS:

- **Olumoh, J. S**, Ajayi, O.O: Presented a paper at 2nd International Annual Conference of Nigeria Statistical Society, NSS 2018, Calabar, Nigeria. The tittle of the paper is "Quasi-Negative Binomial regression model with an application to Mosquito count data"

- **Olumoh, J. S**, Ajayi, O.O: Accepted for presentation at South African Statistical Association, SASA 2017, Bloemfontein, South Africa. Paper tittle "On mixture of Generalized Poisson and Generalized inverse Gaussian:

- **Olumoh, J. S**, Ajayi, O.O: Invited for contributed talk at the 9th World Congress in Probability and Statistics 2016. Hosted by the Fields Institute, Toronto, Canada. Paper tittle "A Statistical model for insurgency count data –a mixture Model from Lagrangian Method
- **Olumoh, J. S**, Ajayi, O.O: Presented a paper at 40th Annual Conference of Nigerian Statistical Association, NSA 2016 September, at Abuja, Nigeria. The tittle of the paper is "A Binary Count models for zero inflated data: Application to insurance claims data"

- **Olumoh, J. S**, Ajayi, O.O: Co-presented paper at American University of Nigeria, School of Arts and Sciences Seminar series June, 2016. The tittle of the is "A Statistical Model for Insurgency Count Data"

- **Olumoh, J. S**, Ajayi, O.O, Tyndall, J.A : Presented a paper at 39th Annual Conference of Nigerian Statistical Association, NSA 2015 September, in Osun State, Nigeria. The tittle of the paper is "A Binary Regression Estimation of Response Probability and Block Correlation: An Application to Malaria Control Data". 2015 Annual Conference Proceedings: 592-597
- **Olumoh, J. S**, Ajayi, O.O, Tyndall, J. A: Co-presented paper at American University of Nigeria, School of Arts and Sciences Seminar series August, 2015. The tittle of the is "Statistical Analysis of Malaria control methods"
- **Olumoh, J. S**: Presented a postal paper at 29th European Meeting of Statisticians, EMS 2013 July, in Budapest, Hungary. The tittle of the postal is "Logistic Regression Analysis of Malarial Control Data".

- Attended workshop on Mathematical Modeling and Simulation at National Mathematical Centre Abuja. December, 2011

- Tyndall, J. A, **Olumoh, J S:** Presented a paper by coauthor at the section on "The effect of Telecommunications on the incidence of Falciparum Malaria in Adamawa State, Nigeria".(Tunisia 2010).
- Attended workshop for capacity building for Algebra (and related courses) Lecturers in Tertiary Institutions at National Mathematical Centre Abuja. October, 2010
- **Olumoh, J. S:** Presented a paper at 33rd Annual conference of Nigerian Statistical Association at Gusau, July 2009. The tittle of the talk is "Statistics as veritable tools for the Seven-point Agenda: A case study of fish production in Nigeria"

WORKSHOPS AND CONFERENCES

- 2nd International Conference of the Nigerian Statistical Society (Calabar 2018). Theme: Statistical Methods in Big Data Research: Challenges and Propects in Climate Change Modelling held at the University of Calabar, CES Building, Cross River State, Calabar between Tuesday 10th – Friday, 13t April, 2018
- 4Th International Conference of Professional Statistical Society of Nigeria (PSSN)
  Theme: Statistics in national Security and Industrialization
  Date: Monday, 24 August 2020 to Thursday, 27 August 2020
  Venue: Virtual

Awards or Honors Received

Ten Years of Meritorious Faculty Service Awards, at American University of Nigeria

PROJECT EXPERIENCES

Co-principal Investigator/Technical lead on information gathering (field work) for research study on the inclusion/exclusion criteria for humanitarian supports in the Northeastern Nigeria: ATIKU Institute for Development(AID) managed the project on behave of Humanitarian Policy Group (HPG) ODI. January 2021

Responsibilities: [1]Supervised all faculty researchers, [2]ensured quality survey data collection, and [3]ensured quality FGD survey data collection,

Team leader for SESAME Street Assessment: ATIKU Institute for Development(AID).

December 2020 - January, 2021

Responsibilities: [1]Supervised all faculty researchers, [2]ensured quality data collection, [3]supervised data entry, [4]analyzed data, and [5]produced draft report.

Consultant on Transactional Radio Instruction (TRI) as an alternative to teaching during closure of school due to Covid-19: USAID SENSE Project Dec 2020 - January, 2021

Responsibilities: [1]Developed assessment methodology, [2] Developed and uploaded the Abridged EGRA tool into Tangerine platform, [3] Oversaw data collection on the field, [4]Cleaned and analyzed data, and [5]produced draft report.

Deputy Director Education Management Information System (DD-EMIS), USAID SENSE Project June, 2019- May, 2020

Responsibilities: Lead the capacity development of key state staff in EMIS such as workshop and trained, ensured that the project developed the systems and processes that the states can collect, analyze, report and utilize education data for planning and quality assurance purpose.

Data analyst: TransRecord Services Nigeria Limited September, 2016

Responsibilities: Analyzed baseline data on capital projects and recurrent expenditure in some selected Local Government Areas (LGAs) in some selected states in Northern Nigeria for Implementation of monitoring and evaluation framework. The project was sponsored by Department for International Development (DFID) through the Ministry of Local Government.

Supervisor and Facilitator: National Population commission. March/April, 2006

Responsibilities: [1] Trained of enumerators on method of data collection (survey conducts) and how to read the map of enumeration marked areas –where to start and where to end. [2] supervised numerators on the national population and housing survey at Wamakko Local Government Area of Sokoto, and [3]generated reports from the survey.

COMPUTER SKILLS

- Statistical analysis software: STATA, SPSS, Power-BI
- Programming environment: R, MAPLE
- Geographical Information: QGIS

PROFESSIONAL AFFILIATIONS

- *Nigerian Statistical Association(NSA)*
- *Institute of Mathematical Statistics(IMS)*
- *Professional Statistical Society of Nigeria(PSSN)*
- *International Biometric Society (IBS)*
- *International Statistical Institute (ISI)*