

CURRICULUM VITAE

SECTION A: GENERAL INFORMATION

- (a) Name : Omo Eguasa
- (b) Date and Place of Birth : 5th May; Sapele, Delta State.
- (c) Marital Status : Married; 4 Children (Ages: 9yrs, 7yrs, 4yrs & 1yr)
- (d) Nationality : Nigerian
- (e) Permanent Home Address : 19, Agbonavbare Street, off Sapele Road, Behind
NEPA Transmission, Road, Benin City, Edo State.
- (f) Current Postal Address : 19, Agbonavbare Street, off Sapele Road, Behind
NEPA Transmission, Road, Benin City, Edo State.
- (g) Present Position : Lecturer I; 4/03
- (h) Department : Physical Sciences
- (i) E-Mail Address : obueky@yahoo.com; oeguasa@biu.edu.ng
- (j) Cell Phone Number : 08028631580, 08051540863

SECTION B: QUALIFICATIONS AND PROFILE SUMMARY

1. Academic Qualifications and Degree (with dates and granting bodies):

- a. Ph.D (Industrial Mathematics, Statistics option), University of Benin, Benin City (March, 2020).
- b. M.Sc (Industrial Mathematics), University of Benin, Benin City. (2008)
- c. B. Sc (Industrial Mathematics), University of Benin, Benin City. (2004)
- d. Diploma in Mathematics Education, University of Benin, Benin City. (1998)

Profile Summary

Organization: Benson Idahosa University Lecturing: Mathematics at Benson Idahosa University Duration: 9 years and 1Month; Position: Lecturer I; Education: Ph.D. D, M.Sc, B.Sc and National Diploma (ND); Skills: Microsoft Excel, Microsoft Word; Professional Body: Nigerian Statistical Association (NSA), Mathematical Association of Nigeria (M.A.N) Edo State Chapter. Honors & Awards: Best Male Lecturer, Department Best Lecturer, Faculty Prize for the Best Performing Academics. Publications: On the Use of Non-parametric Regression Model for Response Surface Methodology (RSM); The Dynamics of SIS Epidemic Model with Emphasis on Deterministic Approach.

2. Teaching and Professional Experience:

(a) Employment/Professional experience before appointment in Benson Idahosa University.

(i) Francis Aduwa Polytechnic, Benin City- Assistant Lecturer, Department of Mathematics and Computer Science (2009-2010)

(b) Teaching and Research Experience in Benson Idahosa University. 2011 Till Date.

(c) Courses Taught at Benson Idahosa University:

- MTH 111: Algebra and Trigonometry,
- MTH 121: Vectors and Geometry,
- MTH 122: Introduction to Calculus,
- MTH 211: Linear Algebra,
- MTH 213: Real Analysis,
- MTH 215: Statistics I,
- MTH 216: Statistical Inference I,
- MTH 223: Introduction to Numerical Analysis,
- MTH 310: Numerical Methods,
- MTH 312: Elementary Differential Equation II,
- MTH 316: Mathematical Methods,
- MTH 317: Abstract Algebra,
- MTH 318: Vectors and Tensor Analysis,
- MTH 321: Optimization Theory I,
- MTH 322: Probability Theory,
- MTH 414: Stochastic Processes,
- CVE/EEE 416/417: Civil/ Electrical Engineering Mathematical Methods,
- MTH 419: Partial Differential Equations,
- MTH 422: Mathematical Method IV.

(d) Postgraduate Student's Supervision: NIL

3. Conference Attended:

(i) Statistical Research Group, Department of Mathematics, University of Benin, Benin City, National Conference. Date: 9th – 11th May, 2012.

(ii) Nigerian Statistical Association (NSA), 39th Annual Conference Osun State. Date: 7th – 11th September, 2015.

(iii) Nigerian Statistical Association (NSA), 40th Annual Conference, International conference Centre Abuja. Date: 8th – 12th September, 2016.

(iv) 1st International Statistical Conference for Nigerian Statistical Association (NSA), Federal College of Education, Akoka, Lagos State. Date: 6th-8th September, 2017.

(v) 26th NSA-PRS Workshop, Nigerian Statistical Association, University of Benin, Benin City. Date: 28th November - 1st December, 2017.

(vi) Statistical Research Group, Department of Mathematics, University of Benin, Benin City. 4th Biennial National Conference on Mathematical Statistics. Date: 8th – 11th May, 2018.

(vii) Nigerian Statistical Association (NSA), 42nd Annual Conference, Nnamdi Azikiwe University, Akwa, Anambra State. Date: 3rd – 7th September, 2018.

Materials/ Papers Presented at the Conference

(i) Nigerian Statistical Association (NSA), 39th Annual Conference (2015), Osun State:

- The Combinatorial Generation and the Matrix Elimination Model for the Long – Run Diagnostic Stability of an Autoregressive Distributed Lag (ARDL) Model. Nigerian Statistical Association, 2015 Annual Conference Proceedings, pp. 354 – 367.

(ii) Nigerian Statistical Association (NSA), 42nd Annual Conference (2018): Akwa, Anambra State:

- A New Regression Model that Combines the LLR Estimates of both the Raw Response and its Residuals.

4. Publication/Creative Work:

(a) Materials already published

(i). ***Eguasa, O.** and Eraikhuemen I. B. (2013): ‘The Dynamics of SIS Epidemic Model with Emphasis on Deterministic Approach’ .Journal of The Nigerian Association of Mathematical Physics, **23**, pp. 165-170.

(ii). ***Eguasa, O.** and Eraikhuemen I. B. (2013): ‘Long-Tail Probability and Probability Generating Function’. Journal of the Nigerian Association of Mathematical Physics, **23**, pp. 599-608.

(iii). ***Eguasa, O.**, Obahiagbon, K. O. and Odion, A. E. (2013): ‘On the Performance of Logistic-Growth Population Projection Models’. Journal of Mathematical Theory and Modeling, International Institute of Science, Technology and Education (IISTE), **3**(14), pp. 111-121.

- (iv). ***Eguasa, O.**, Eraikhuemen, I. B. and Ehigie, L. (2013): ‘Least Square Approximation of Percentage Body Fat for Black Women’. Journal of Mathematical Theory and Modeling, International Institute of Science, Technology and Education (IISTE), **3**(14), pp. 135-144.
- (v). *Eraikhuemen, I. B. and **Eguasa, O.** (2016): ‘Lassa fever and its Control Measures’. Journal of Natural Sciences Research, ISSN (paper) 2224-3186 ISSN (Online) 2225-0921.
- (vi). **Eguasa, O.**, Mbegbu, J. I. and Obadoni, J. (2019): ‘The Combinatorial Generation and the Matrix Elimination Model for the Long – Run Diagnostic Stability of an Autoregressive Distributed Lag (ARDL) Model’. BIU Journal of Basic and Applied Sciences, **4**(1), pp. 51 – 81.
- (vii). **Eguasa, O.**, Mbegbu, J. I. and Edionwe, E. (2019): ‘A New Regression Model that Combines the LLR Estimates of both the Raw Response and its Residuals’. Journal of Nigerian Statistical Association, **30**, pp. 45-57
- (viii). Ihama, E. I. and **Eguasa, O.** (2020): ‘A Review of Virtual Learning Systems’. BIU Journal of Basic and Applied Sciences, Accepted for Publication.

(b). Materials completed but yet to be published

- (i) **Eguasa, O.**, Mbegbu, J. I. and Edionwe, E. (2019): ‘Local Linear Regression and the Problem of Dimensionality: A Remedial Strategy via a New Locally Adaptive Bandwidths Selector’. Material under review.

5. Awards:

- (i). Best Lecturer 2013, Department of Mathematics & Computer Science by NACOSS, B.I.U Chapter.
- (ii). Faculty Prize for the Best Performing Academics in 2013, Faculty of Basic & Applied Sciences, Benson Idahosa University, Benin City.
- (iii). Best Male Lecturer in 2014, Department of Mathematics & Computer Science by NACOSS, B.I.U Chapter.

SECTION C: ADMINISTRATIVE EXPERIENCE AT BENSON IDAHOSA UNIVERSITY

- Course Adviser 100 Level Computer Science 2011/2012 Academic Session.
- Departmental Secretary from 2012 – 2014.
- Course Adviser 200 Level Computer Science 2012/2013 Academic Session.
- Course Adviser 200 Level Computer Science 2013/2014 Academic Session.
- Course Adviser 400 Level Computer Science 2014/2015 Academic Session.
- Course Adviser 400 Level Computer Science 2015/2016 Academic Session.
- Departmental Assistant Part-Time Programme Coordinator
- Departmental Postgraduate Secretary, 16/17, 17/18 Academic Sessions.
- Departmental National Universities Commission (NUC) Accreditation Committee – Member
- Course Adviser 100 Level Computer Science 2018/2019 Academic Session.
- Course Adviser 200 Level Computer Science 2019/2020 Academic Session.

- Course Adviser 300 Level Computer Science 2020/2021 Academic Session.
- Head of Unit, Mathematics (September, 2020 till Date)
- Faculty Examination and Results Officer (September, 2020 till Date)
- Ag. Head of Department, Physical Sciences (October, 2020)

SECTION D: NAMES AND ADDRESSES OF REFEREES

Prof. Fred O. J. Oboh

Department of Biological Sciences,
Faculty of Physical Science,
Benson Idahosa University, Benin City, Edo-State.

Prof. J. I. Mbegbu

Department of Statistics,
Faculty of Physical Science, University of Benin, Benin City.

Dr. O. D. Ojuh

Department of Physical Sciences,
Faculty of Physical Science,
Benson Idahosa University, Benin City, Edo-State.