

NAME: DR. OLAYIWOLA, OLANIYI MATHEW

STATUS: READER



PROFILE

Olaniyi Mathew OLAYIWOLA is a Reader in the Department of Statistics, College of Physical Sciences, Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. He is an Alumnus of Kwara State Polytechnic, Ilorin, The Polytechnic, Ibadan, University of Ibadan, Nigeria and University of Ilorin. He obtained National Diploma (ND) in Statistics in 1995, Higher National Diploma (HND) in Statistics in 1998, Postgraduate Diploma in Statistics in 2002, Postgraduate Diploma in Education in 2006, Bachelor of Science (B.Sc.) degree in Statistics in 2010 from University of Ilorin and Master of Science (M.Sc.) in Statistics from the University of Ibadan in 2005. He obtained Doctor of Philosophy (Ph.D) degree in Statistics at the University of Ibadan Nigeria in 2011. Dr.Olaniyi OLAYIWOLA was born in Ilora, Oyo, Oyo State on October 3, 1976, and hails from Ilora , Oyo, in Oyo state, Nigeria. He rose through the ladder of academic process as Assistant Lecturer (Statistics) in 2007 to his present position as a Reader. As an erudite scholar, he has a great wealth of research experience which culminated into several academic publications (<https://scholar.google.com/citations?user=UCiRkS0AAAAJ&hl=en>). Dr. Olayiwola has supervised twenty two (22) postgraduate students to completion while five (5) others are at various stages of completion. He is a reliable and diligent staff. He has served creditably well in various capacities, including as member of the College Committee on Results (COCER) and ADMICO. Dr. Olayiwola is the current Acting Head of the Department of Statistics. He is hardworking, meticulous and committed to his duty. He has attended many local and international conferences and workshops. He belongs to many Professional bodies including the Science Council, United Kingdom (as Chartered Scientist), the Royal Statistical Society, United Kingdom (as Chartered Statistician), International Association of Survey Statisticians (as a member), International Association for Official Statistics (as a member) and member Nigerian Statistical Association. He received Royal Statistical Society's 2020 Mardia award for Covid-19 response in Nigeria and many others for promoting Statistical knowledge.

EMAIL ADDRESS: olayiwolaom@funaab.edu.ng

4. UPDATED CURRICULUM VITAE

01. PERSONAL

- (i) Name: OLAYIWOLA Olaniyi Mathew
(ii) Date of Birth: 3rd of October, 1976
(iii) Place of Birth: Ilora, Oyo State
(iv) Age: 45 years
(v) Sex: Male
(vi) Marital Status: Married
(vii) Nationality: Nigerian
(viii) Town and State of Origin: Ilora, Oyo State
(ix) Contact Address: Department of Statistics,
College of Physical Sciences,
Federal University of Agriculture Abeokuta,
Ogun State, Nigeria
(x) Phone Number: +2348034305353, +2348097322915
(xi) E-mail Address: laniyimathew@yahoo.com
olayiwolaom@funaab.edu.ng
(xii) Present Post: Reader

02. EDUCATIONAL BACKGROUND

(i) Educational Institutions Attended (with dates)

- | | |
|---|-------------|
| 1. University of Ibadan, Nigeria | 2007 – 2011 |
| 2. University of Ilorin, Nigeria | 2007 - 2010 |
| 3. University of Ibadan, Nigeria | 2006 – 2007 |
| 4. University of Ibadan, Nigeria | 2002 – 2005 |
| 5. University of Ibadan, Nigeria | 2001 – 2002 |
| 6. The Polytechnic, Ibadan, Nigeria | 1997 – 1998 |
| 7. Kwara State Polytechnic, Ilorin, Nigeria | 1994 – 1995 |
| 8. Ilora Baptist Grammar School, Ilora, Oyo | 1986 – 1992 |

(ii) Academic Qualifications (with dates)

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| 1. Doctor of Philosophy (Ph.D) in Statistics | 2011 |
| 2. Bachelor of Science, B.Sc (Hons) in Statistics | 2010 |
| 3. Post Graduate Diploma (PGD) in Education | 2006 |
| 4. Master of Science (M.Sc) in Statistics | 2005 |
| 5. Post Graduate Diploma (PGD) in Statistics | 2002 |
| 6. Higher National Diploma (HND) in Mathematics and Statistics | 1998 |
| 7. National Diploma (ND) in Statistics | 1995 |
| 8. Senior Secondary School Certificate | 1992 |

(iii) Prizes, Honours, Scholarship, National and International Recognition

1. The Royal Statistical Society, London, 2020 Mardia prize to support Covid-19 response in Nigeria.
<https://rss.org.uk/news-publication/news-publications/2021/general-news/2020%C2%A0mardia-prize-to-support%C2%A0covid-19-response-in/>

2. Past Earth Network (University of Leeds, England, United Kingdom) prize to organize an outreach in Nigeria on Anthropogenic Climate Change: Management and Modelling, February 3, 2017, funded by Engineering and Physical Sciences Research Council (EPSRC), <https://www.pastearth.net/outreach.html><https://www.pastearth.net/conferences.html>
3. International Association of Survey Statisticians prize for promoting Statistical knowledge (2019 – present)
4. Royal Statistical Society prize for promoting Statistical knowledge (2019 – present) www.rss.org.uk/nigeria
5. Turing Gateway to Mathematics grants to attend 3rd Edward Symposium on Soft Matter, September 5 – 7, 2018 held at Centre for Mathematical Sciences, Cambridge, United Kingdom
6. The Royal Statistical Society grants to attend 2016 Annual International Conference of the Royal Statistical Society, 5th of September to 8th of September 2016, held at University Place, University of Manchester, United Kingdom.
7. Maths Foresee grants to attend General Assembly of Maths Foresee, 5th -7th September 2016, held at St Leonard's Hall, Edinburgh EH16 5AY, United Kingdom
8. SECURE launch grants to attend SECURE launch conference, 11th of September, 2015, held at University of Glasgow, United Kingdom,
9. Past Earth Network grants to attend Past Earth Network (University of Leeds) Conference, 1st of September to 4th of September 2015, held at Crewe Hall, United Kingdom.
10. Royal Statistical Society grants to attend 2014 Annual International Conference of the Royal Statistical Society, 1st of September to 4th of September 2014 held at Sheffield, United Kingdom.
11. Royal Statistical Society grants to attend Royal Statistical Society 2013 Annual International Conference, 2nd of September to 5th of September 2013, held at Northumbria University, Newcastle Upon Tyne, United Kingdom.
12. Royal Statistical Society grants to attend 2012 Annual International Conference of the Royal Statistical Society, 3rd of September to 6th of September, 2012 held at Telford International centre, United Kingdom.
13. Royal Statistical Society grants to attend 2008 Annual International Conference of the Royal Statistical Society, 1st of September to 5th of September, 2008, held at East Midland Conference Centre Nottingham, United Kingdom.
14. Ilora Baptist Grammar School award for Best Student in over all subjects 1992
15. Ilora Baptist Grammar School award for best student in Mathematics 1992
16. L.A. School, Gbajigbo award for best Student in over all subjects 1986

03. WORK EXPERIENCES

1. Reader, Federal University of Agriculture, Abeokuta 2018 - present
2. Senior Lecturer, Federal University of Agriculture, Abeokuta, Nigeria 2015- 2018
3. Lecturer I, Federal University of Agriculture, Abeokuta, Nigeria 2011- 2015
4. Lecturer II, Redeemer's University, Mowe, Ogun State, Nigeria 2011
5. Assistant Lecturer, Ajayi Crowther University, Oyo, Nigeria 2007- 2011

University Teaching

SESSION	Course Code / Title	Units	No of Students	Contact Hour	No of Lecturers
2019/2020	STS 201: Statistics for non-major	3	3,122	3	10

First Semester	STS 281: Probability II	3		3	02
	STS 317: Survey Methods and Sampling Theory I	3	72	3	02
	STS 397: Survey Methods and Sampling Theory Laboratory	2	72	2	01
	STS 803: Advanced Sample Survey	4	07	3	01
2019/2020 Second Semester	STS 102: Intro. To Statistics	2	361	2	2
	STS 412: Statistical Inference III	3	71	3	2
	STS 412: Survey Methods and Sampling Theory II	3	71	3	2
	STS 706: Advanced Statistical Inference	4	07	3	2
2018/2019 First Semester	STS 201: Statistics for non-major	3	3017	3	09
	STS 211: Probability II	3	430	2	02
	STS 311: Statistical Inference II	2	03	2	01
	STS 325: Regression Analysis	1	87	1	01
	STS 803: Advanced Sample Survey	3	11	3	01
	STS 351: Design of Experiments	3	59	3	02
	STS 397: Survey Methods Lab	1	65	1	02
	STS 425: Regression Analysis	3	92	3	02
2018/2019 Second Semester	STS 102: Intro. To Statistics	2	300	2	2
	STS 192: Statistical Inference Lab	1	250	3	2
	STS 112: Statistical Inference I	3	250	3	3
	STS 212: Statistical Inference II	3	150	3	2
	STS 706: Advanced Statistical Inference	3	11	3	1
	STS 824: Advanced Statistical computing	3	11	3	1
SESSION	Course Code / Title	Units	No of Students	Contact Hour	No of Lecturers
2017/2018 First Semester	STS 201: Statistics for non major	3	2500	3	09
	STS 211: Probability II	3	430	2	02
	STS 311: Statistical Inference II	2	03	2	01
	STS 425: Regression Analysis	1	87	1	01
	STS 803: Advanced Sample Survey	3	17	3	01
2017/2018	STS 102: Introduction to Statistics	3	249	3	2

Second Semester	STS 212: Statistical Inference I	2	9	2	2
	STS706: Advanced Statistical Inference	3	17	3	1
	STS824: Advanced Statistical computing	3	17	3	1

04. SPECIAL ASSIGNMENTS / COMMUNITY SERVICES

1. Ag. Head of Department, Department of Statistics, Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. 2019 - present
2. Contact person for Royal Statistical Society, London for promotion of Statistical knowledge, statistical capacity building, organization of workshops, events, and conferences in Nigeria. www.rss.org.uk/nigeria 2018 – present
3. Volunteer for Genetic Alliance in United Kingdom. Genetic Alliance works on a variety of issues that families and individuals with genetic conditions are face (Experience of rare conditions: 2020 survey analysis' through Statisticians for Society). My roles are: identification of analytical techniques, analysis and training of the Genetic Alliance team for future analysis of similar data 2021– present
4. Keynote speaker: Public lecture on Modelling COVID-19 pandemic in Nigeria organized by Lagos State Polytechnic, Ikorodu, Lagos State, Nigeria, June 30, 2020. <https://rss.org.uk/news-publication/news-publications/2020/section-group-reports/nigeria-local-group-meeting-modelling-covid-19-in/> <https://unaab.edu.ng/2020/07/involve-statisticians-in-the-fight-against-covid-19-says-don> <https://realnewsmagazine.net/coronavirus-pandemic/expert-seeks-inclusion-of-statisticians-in-coronavirus-contact-tracing/>
5. Presenter, "Anthropogenic and natural causes of climatic change - effects, management and modelling". Emmanuel Alayande College of Education in Nigeria. The aim of the talk was to create awareness of the use of statistics in climate change modelling. Fully funded by Engineering and Physical Sciences Research Council, United Kingdom. February 3rd, 2017 <https://www.pastearth.net/outreach.html> <https://www.pastearth.net/conferences.html>
6. Methodology Expert: Technical Workshop on a survey designed to generate empirical data on the foundational literacy and numeracy skills that Nigerian children aged five to fifteen (5 – 15) years possess organized by LEARNigeria, 28 – 30th March 2017, Ikeja GRA Lagos
7. External Examiner, Postgraduate Programme, University of Ibadan, 2018- present
8. External Examiner, Postgraduate Programme, Federal University of Technology, Akure, Ondo State, Nigeria. 2017- present
9. External Examiner, Postgraduate Programme, Olabisi Onabanjo University, Ago-Iwoye, Ogun State, Nigeria 2015 - present
10. Vice Chairman, Aseyori Community, Cele, Oyo, Oyo State 2016 -2018
11. COLPHYS Representative, Admission Committee, FUNAAB 2015- 2019
12. Member, Departmental Postgraduate Board, FUNAAB 2011– present
13. Departmental SIWES Coordinator, FUNAAB 2011 – 2013
14. Departmental PG Seminar Coordinator, FUNAAB 2011 – 2016
15. Departmental Examination officer, FUNAAB 2011 – 2014
16. Level Coordinator, 200L and 400L, FUNAAB 2011 – 2013
17. Level Coordinator, 400L, FUNAAB 2013 - present
18. Departmental Part Time Coordinator, FUNAAB 2011– 2013
19. Financial Secretary, Calvary Revelation Church, Oyo 2003 – 2013
20. Senior Prefect Boy (Ilora Baptist Grammar School, Oyo) 1992
21. Senior Prefect (L.A. School, Gbajigbo, Oyo) 1986

05. TRAINING PROGRAMMES ATTENDED (WITH DATES)

1. Mardia Interdisciplinary workshop on Covid-19 Response in Nigeria organized by Royal Statistical Society Nigeria Local Group (RSS-NLG), May 5, 2021 held at Federal University of Agriculture, Abeokuta, Ogun State, Nigeria
2. Training workshop on Census activities organized by Royal Statistical Society Nigeria Local Group (RSS-NLG), November 27, 2019, held at the Department of Statistics, University of Ibadan, Nigeria
3. Workshop on Survey Process Design organized by Royal Statistical Society Nigeria Local Group (RSS-NLG), January 16, 2019 held at Ogun-Osun River Basin Development Authority, Abeokuta, Ogun State, Nigeria
4. Scientific tools for data Management (Practical Session), 25th – 29th June, 2018, organized by Nigeria Institute of science Laboratory Technology, Ibadan
5. Past Earth Network Statistics Workshop: Linking Proxies to Climate via Forward Models, September 13 -14, 2017 held at University of Cardiff, Wales, United Kingdom,
6. Technical Workshop on a survey designed to generate empirical data on the foundational literacy and numeracy skills that Nigerian children aged five to fifteen (5 – 15) years possess, 28th – 30th March 2017 organized by LEARNigeria, Ikeja GRA Lagos
7. Maths Foresees Network Workshop ‘Data Flood demonstrator Wetropolis: the design of a public engagement project on extreme rainfall and river flooding’, 7th September 2016, St Leonard’s Hall, Edinburgh EH16 5AY, United Kingdom
8. Maths Foresees Network Workshop ‘Data Flood demonstrator Wetropolis: the design of a public engagement project on extreme rainfall and river flooding’, 6th September 2016, held at St Leonard’s Hall, Edinburgh EH16 5AY, United Kingdom
9. Maths Foresees Network Workshop ‘Data assimilation to improve weather and flooding Predictions’, 5th September 2016, held at St Leonard’s Hall, Edinburgh EH16 5AY, United Kingdom
10. Past Earth Network - Environmental Section of the Royal Statistical Society Workshop: “Assessing Paleoclimate Uncertainty, Aug 24 – 26, 2016, held at Sidney Sussex College, Sidney St, Cambridge, Cambridgeshire CB2 3HU, United Kingdom
11. Statistics of Environmental Change, Resources and Ecosystems Event: workshop on ‘New Technology data streams’, 11th of September, 2015 held at Department of Mathematics / Statistics, University of Glasgow, United Kingdom
12. Statistics of Environmental Change, Resources and Ecosystems Event: workshop on Shaping the data sets of the future, 11th of September, 2015 held at Department of Mathematics / Statistics, University of Glasgow, United Kingdom
13. New approaches to biosocial research: Using genes in social studies organized London School of Hygiene and Tropical Medicine (University of London), September 13th, 2013 held at the Royal Statistical Society , Errol St, London
14. Joint Modelling of longitudinal and event time data in clinical research organized by Medical Research Council North West Hub for Trials Methodology Research, September 13th, 2012, held at Foresight Centre, University of Liverpool, United Kingdom.
15. R Software Training for data Analysis organized by Medical Research Council North West Hub for Trials Methodology Research, September 13th, 2012 held at Foresight Centre, University of Liverpool, United Kingdom.
16. Citizenship and leadership training programme, March 1992 organized by Afijio Local Government for all Senior Prefects (Boys and Girls) in Secondary Schools held at Ilora Baptist Grammar School, Ilora, Oyo State, Nigeria
17. Workshop on Research and Research Design, May 10th, 2015 organized by Nigeria Institute of science Laboratory Technology, Ibadan.
18. Digital Bridge Institute: Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training, 3rd to 7th March, 2014 held at Federal University of Abeokuta, Abeokuta

19. Federal University of Agriculture, Abeokuta Universal Conservices Limited' Training Workshop on Statistical Analysis and Data Management, April 10th to April 12th, 2013, held at International Scholars Centre. Federal University of Agriculture, Abeokuta
20. IFSERAR, Federal University of Agriculture, Abeokuta, Nigeria. July 18th, 2012 'The step-down workshop on packaging R and D results and inventions for the market' held at Federal University of Agriculture, Abeokuta, Nigeria

06. COMMENDATION: Nil

07. MEMBERSHIP OF PROFESSIONAL BODIES

1. Chartered Scientist (CSci), The Science Council, United Kingdom
2. Chartered Statistician (CStat), The Royal Statistical Society, United Kingdom
3. Fellow, Royal Statistical society (FRSS), London, United Kingdom
4. Member, International Association for Official Statistics (section of International Statistical Institute)
5. Member, International Association of Survey Statisticians (section of International Statistical Institute)
6. Member, Past Earth Network, University of Leeds, United Kingdom
<https://www.pastearth.net/index.html><https://www.pastearth.net/members.html>
7. Member, Statistics of Environmental Change, Resources and Ecosystems, University of Glasgow, United Kingdom
8. Member, Maths Foresees Network, University of Leeds, United Kingdom
<https://www1.maths.leeds.ac.uk/mathsforesees/partners.html>
9. Member, International Biometric Society (Group Nigeria)
10. Member, Nigerian Statistical Association

08. RESEARCH INTEREST OR COMMISSIONED PROJECT

- (i) Complete:
- (ii) In progress: Development and Validation of a model for Covid-19 carriers contact tracing.

09. PUBLICATIONS

(i) Articles in Learned Journals

1. **Olayiwola, O. M.**, Adekeye, K. S., Apantaku F. S., Ajayi A. O. , Wale-Orojo O. A., Ogunsola I. A. and Hammed B. (2021). Integration of Bayesian Model and Adaptive Clustered Sampling into Contact Tracing to curb the spread of Covid -19 Cases. *Federal University Dutsin-Ma Journal of Sciences (FJS)*. Vol. 5 No. 1, 76 – 84. Published by Federal University Dutsin-Ma, Katsina State, Nigeria. Available online at: <https://www.fjs.fudutsinma.edu.ng/index.php/fjs/issue/view/6>
2. **Olayiwola. O. M.**, Ajayi. A. O, Akintunde. A. A, Wale-Orojo. O. A, Ajibade. F. B, and Ojelabi. O (2020). Estimation of the Population Mean in the Presence of Measurement and Response Error, *Annals. Computer Science Series*. Volume18 series 1, 48- 52. Published by Tibiscus University of Timisoara, Romania. Available online at: <http://www.anale-informatica.tibiscus.ro>
3. **Olayiwola O. M.**, Akintunde A.A. Wale-Orojo A. O., Ajibade F. B.and Adekpe D. O. (2020). Jackknife Approaches for improving data quality. *Transactions of the Nigeria Association of*

Mathematical Physics. Volume 11, 61 – 67. Published by Nigeria Association of Mathematical Physics.

4. Isqeel I. A., **Olayiwola O. M.**, Sowola B. O (2020). Modelling Unemployment Rates in Nigeria using Time Series Approach. *Asian Journal of Mathematical Sciences*. Volume 4, issue 2, 4 -9. Published by Mandsaur University, Mandsaur. Available online at <http://www.ajms.in/index.php/ajms/issue/view/25>
5. Apantaku, F.S., **Olayiwola, O.M.**, Akintunde A. A. and Adeyemo, R.G (2020). A Modified Estimator for Quartile Ranked Set Sampling. *Journal of the Nigeria Association of Mathematical Physics*. Volume 56, 25 – 32. Published by Nigeria Association of Mathematical Physics
6. Ekong, A. H., and **Olayiwola O. M.** (2020). A geographically weighted regression approach to examine the dynamics of fertility differentials across Africa. *Statistical Journal of the International Association for Official Statistics*. Published by International Association for Official Statistics, United States. Vol. 36, 87–102. Published by Available online at: <https://content.iospress.com/articles/statistical-journal-of-the-iaos/sji200717>
7. **Olayiwola. O. M.**, Apantaku, F. S., Oyekunle, K. A., Akintunde, A. A., Wale-Orojo, O. A. and Olawoore, S. A. (2020). A Modified Calibration Approach for Ratio Estimator in Stratified Sampling. *Federal University Dutsin-Ma Journal of Sciences (FJS)*. Vol. 4 No. 4, 507 – 512. Published by Federal University Dutsin-Ma, Katsina State Nigeria. Available online at <https://www.fjs.fudutsinma.edu.ng/index.php/fjs/issue/view/5>
8. **Olayiwola O. M.**, Ajayi A. O., Onifade O. C., Wale-Orojo O. A. and Ajibade B. (2020). Adaptive cluster sampling with model based approach for estimating total number of hidden COVID-19 carriers in Nigeria. *Statistical Journal of the International Association for Official Statistics*, Vol. 36, 103 – 109. Published by International Association for Official Statistics, United States. Available online at: <https://content.iospress.com/download/statistical-journal-of-the-iaos/sji200718?id=statistical-journal-of-the-iaos%2Fsji200718>
9. Deji-Olarerin A., Folorunso O, Vincent O. R and **Olayiwola O.M** (2019), A Stock Price Trend Prediction Using Support Vector Machine and Coral Reef Optimization Algorithm. *Journal of Natural Sciences, Engineering and Technology*. Volume 18, number 1., 68 – 87. Publisher by Federal University of Agriculture, Abeokuta, Nigeria
10. **Olayiwola, O. M.**, Apantaku, F. S., Oguntolu, O. S., Ajibade, F. B., Akintunde, A. A., Olawoore, S. A. (2019). Exponential Moving Average Stratification Algorithm for Strata Boundary Determination in Stratified Sampling. *Federal University Dutsin-Ma Journal of Sciences (FJS)*. Vol. 3 No. 2, 384 – 388. Published by Federal University Dutsin-Ma, Katsina State Nigeria. Available online at <https://www.fjs.fudutsinma.edu.ng/index.php/fjs/issue/view>
11. **Olayiwola. O. M.**, Ajayi. A. O, Aderibigbe. T. A, Nurudeen. T. S and Akintola. K. A (2019). A Modified Estimator in Adaptive Cluster Sampling. *Journal of Nigeria Association of Mathematical Physics*. Volume 51, 113-118. Published by Nigeria Association of Mathematical Physics, Nigeria
12. **Olayiwola O. M.**, Apantaku F. S, Wale-Orojo O. A., Ajayi A. O., Konku A. M. (2019) Probability Proportional To Size (PPS) Method to Enhance Efficiency of Estimator In Two Stage Sampling.

Annals Computer Science Series. Volume17, Series 2, 315- 321. Published by Tibiscus University of Timisoara, Romania. Available online at: <http://www.anale-informatica.tibiscus.ro>

13. **Mesioye A.E.**, Ibaralu F. T., Onashoga S. A., and Olayiwola O. M (2019). Hensel Lifting; A Tool for Fast Decryption Process in RSA Cryptosystem. *ABACUS (Mathematics Series)*. Volume 46, number 1, 127-134. Published by Mathematical Association of Nigeria. Available online at <http://man-nigeria.org.ng>
14. Adetunji T. A., Folorunso O., Vincent O.R., **Olayiwola O. M.**, (2019). Stemming anomaly propagation in software systems using ontology. *Journal of Computer Science and Its Application*. Volume 26, 2, 158- 127. Published by Nigeria Computer Society, Nigeria. Available online at: <https://www.ajol.info/index.php/jcsia/article/view/193195>
15. Dawodu G. A., Agwuegbo, S.O.N, **Olayiwola O. M.**, Akintunde A. A, Wale-Orojo O. A. and Yusuff K.M (2018). A Bayesian Approach Towards Capturing the Vulnerability to Toxicity of Some Artisans' Blood. *Journal of the Nigerian Association of Mathematical Physics*. Volume 44, 185 – 190. Published by the Nigerian Association of Mathematical Physics. Nigeria
16. **Olayiwola O. M**, Amalare A.A and Olaoye O. R (2017): Modelling Climate Variables. *Journal of Nigeria Association of Mathematical Physics*. Volume 39, 497 – 484. Published by Nigeria Association of Mathematical Physics, Nigeria
17. Wale-Orojo O.A, **Olayiwola O.M**, Yusuff K.M. and Olawore. S.A (2017): Comparison of Stratified Diagonal Rank Set Sampling and Stratified Simple Random Sampling Estimators. *Journal of Nigeria Association of Mathematical Physics*. Volume 40, 173-176. Published by Nigeria Association of Mathematical Physics, Nigeria
18. **Olayiwola O. M**, Apantaku F.S and Sohe E. M (2017): A stratified randomized response technique for addressing sensitive questions in survey, *Transactions of the Nigeria Association of Mathematical Physics*. Volume 3, 143 -150. Published by Nigeria Association of Mathematical Physics, Nigeria
19. Akintunde A.A, Agwuegbo S.O. N. and **Olayiwola O.M** (2017): Markov Models for the Analysis of Dynamical Systems. *Journal of Natural Sciences, Engineering and Technology*. Volume 16, number 1, 35 - 49. Publisher: Federal University of Agriculture, Abeokuta, Nigeria
20. **Olayiwola, O.M.**, Ajayi A.O., and Adegoke, S.A. (2016), On a Modified Regression-Ratio type Estimator for homogeneous and heterogeneous populations. *African Journal of Science and Nature*. Volume 2, 12-15. Published by Olabisi Onabanjo University Ago-Iwoye, Ogun State, Nigeria. Available online at: <http://www.journal.ouagoiwoye.edu.ng>
21. **Olayiwola O. M.**, Popoola R. A and Bisira H. O (2016). A Modified Regression Estimator for Double Sampling. *Annal Computer Science Series*.Volume14, series 1, 44-49. Published by Tibiscus University of Timisoara, Romania, Available online at: <http://www.anale-informatica.tibiscus.ro>
22. **Olayiwola O.M.**, Adewara A. A. and H.O. Bisira H. O (2016) Influence of Social Demographic Characteristics on Respondents' Responses in a Longitudinal Survey. *The Pacific Journal of Science and Technology*. Volume 17, Number 1, 89-97. Published by Akamai University, United States. Available online at: <http://www.akamaiuniversity.us/PJST.htm>

23. Akintunde A. A., **Olayiwola O. M.**, Agwuegbo S. O. N., Dawodu G. A. (2016) Stochastic Signal Modeling of Economic Indicators. *The Pacific Journal of Science and Technology*. Volume 17. Series 2, 213-217. Published by Akamai University, United States. Available online at: <http://www.akamaiuniversity.us/PJST.htm>
24. Akinwunmi F., Akinhanmi T.F. Atobatele Z.A., Adewole O., Odekunle K., Arogundade L.A. Odukoya O.O, **Olayiwola . O. M.** Ademuyiwa O. (2016). Heavy metal burdens of public primary school children related to playground soils and classroom dusts in Ibadan North-West local government area, Nigeria. *Elsevier Journal of Environmental Toxicology and Pharmacology*. 49, 21–26. Published by Elsevier B. V. Available online at: <https://www.sciencedirect.com/science/article/pii/S1382668916302940>
25. **Olayiwola, O. M.**, Ajayi, A.O. and Okunlade, AA (2016) A Modified Post-Stratified Regression Estimator for two occasions and using two variables. *African Journal of Science and Nature*. Volume 2, 24-28. Published by Olabisi Onabanjo University Ago-Iwoye, Ogun State, Nigeria. Available online at: <http://www.journal.ouagoiwoye.edu.ng>
26. Olayiwola O. L, Ojebode T.O, Adekanye O.S, **Olayiwola O.M.**, Idris. O (2016) Socio-demographic and behavioural correlates of the malaria prevention methods utilized by families of under-five children diagnosed with malaria malaria at Baptist Medical Centre, Saki. *Nigerian Journal of family practice*. Volume 7, No 3, 43 – 58. Published by the Society of Physicians of Nigeria. Available online at: <http://www.ajol.info.article.view>
27. **Olayiwola O.M**, Amalare A.A and Adebessin S. A (2016): Prediction of Returns on All-Share Index of Nigeria Stock Exchange. *The Pacific Journal of Science and Technology*, Volume 17., Number 1, 114-119. Published by Akamai University, United States. Available online at: <http://www.akamaiuniversity.us/PJST.htm>
28. **Olayiwola O.M**, Amalare.A.A and Ajayi A.O (2016): A Modified Multivariate Family of Estimators. *Federal University of Ndufu Alike Ikwo Abakaliki (FUNAI) Journal of Science and Technology*.1(1), 97-104. Published by Federal University of Ndufu Alike Ikwo Abakaliki, Nigeria.
29. **Olayiwola O.M.**, A.A. Adewara, and T.O. Ayeleso (2015): A Modified Exponential Ratio-Type Estimator in Stratified Ranked Set Sampling. *The Pacific Journal of Science and Technology*. Volume 16. Number 2, 82-89. Published by Akamai University, United States. Available online at: <http://www.akamaiuniversity.us/PJST.htm>
30. **Olayiwola O. M.**, and Ayeleso T. O (2015) Efficiency of Some Exponential Estimators for Estimating Heterogeneous Population Parameters. *Annals. Computer Science Series*. Volume13, Series 2, 47-54. Published by Tibiscus University of Timisoara, Romania. Available online at : <http://www.anale-informatica.tibiscus.ro>
31. **Olayiwola O.M.**, F.S. Apantaku and Ajayi A. O.(2015). Comparison of Estimates On Two Occasions Involving Stratification Using Successive Sampling. *Annals. Computer Science Series*. Volume13, series 2, 94-102. Published by Tibiscus University of Timisoara, Romania Available online at: <http://www.anale-informatica.tibiscus.ro>
32. Asiribo O. E, Isah A., **Olayiwola, O.M.** and Kanwai M.E (2015) Use of Auxiliary Variables and Asymptotically Optimum Estimator to Increase Precision, *Journal of the Nigerian Statistical Association*, Volume 27, pg 30 – 40. Published by the Nigerian Statistical Association, Nigeria

33. **Olayiwola O.M.**, Apantaku F. S., Adewara A. A. and Gboyega A. F. (2015) Modified Ratio Estimator Using Multiple Auxiliary Variables. *The Pacific Journal of Science and Technology*, Volume 16., Number 2, 108-113. Published by Akamai University, United States. Available online at: <http://www.akamaiuniversity.us/PJST.htm>
34. **Olayiwola O.M.**, Salawu, O. O., Oyenuga, I.F. Oyekunle, J. O. Ayansola, O. A. Olajide, J.T. and Agboluaje, S. A. (2011). On Statistical Analysis Of impact of Socio Economic Factors On Students' Academic Performance. *International Journal of Research and Reviews in Applied Sciences, Pakistan*, 8(3), 395-399. Available online at: www.arpapress.com/Volumes/Vol8Issue3/IJRRAS
35. Olowookere, C. J., Babalola, I. A., **Olayiwola, O. M.**, Odina, G., Obed, R. I., & Bello, T. O. (2009). Comparison of five models for assessing patient dose from radiological examinations. *African Journal Medical Physik, Biomedical Engineering & Science*, 1, 21-29. Available online at: http://www.ajmbs.abcafrican.com/olowookere_fullpaper_1_1.pdf

(ii) Journal Articles Accepted for Publication

36. **Olayiwola O. M.**, Apantaku F. S., Imarhia F. O., Yusuff K. M., Ogunsola I. A and Olawoore S.A: A Modified Estimator for Population Parameters in the Presence of Outliers, *UNIPORT Journal of Engineering and Scientific Research*. Publisher: University of Port Harcourt. (Letter of acceptance dated June 10, 2021)
37. Olawoyin I. O., Ahmed A, **Olayiwola O. M.**, Abdulazeez S.A: Chain Ratio-Type Estimator of Finite Population Mean Under Two-Phase Sampling in Systematic Sampling Scheme, *Annals of Optimization Theory and Practice*. Publisher: Firouzabad Institute of Higher Education, Iran (Letter of Acceptance dated April 21, 2021)
38. Apantaku F. S., **Olayiwola O. M.**, Ajayi A.O., Jaiyeola O. S: A Modified Generalized Chain Ratio in Regression Estimator, *Journal of Natural Sciences, Engineering and Technology*. Publisher: Federal University of Agriculture, Abeokuta, Nigeria. (Leter of Acceptance dated June 24, 2020)

(iii). Books: Nill

(iv). Book Articles or Chapters: Nill

(v). Edited Conference Proceedings

39. **Olayiwola O.M.**, Audu A, Olawoyin I. O., Olawoore S. A, Ibrahim A (2020) A Class of Ratio Estimators of a Finite Population Mean Using Two Auxiliary Variables Under Two-Phase Sampling Scheme. *Edited Proceedings of 1st Annual Conference of the Royal Statistical Society Nigeria Local Group (RSS-NLG)*. Prof. O.E Asiribo, Prof. G. N. Amahia, Prof. K.S. Adekeye, Prof. A. A. Adewara and Prof. D. A. Agunbiade (Eds). 80 – 95. Published by RSS-NLG
40. Akinniyi S.O, Folorunso O, Ibaralu F. T and **Olayiwola O.M** (2017), An Intelligent Risk-Based Access Control Model for Process Aware Information Systems. *Edited Proceedings of 2nd International Conference on Applied Information Technology*, Akinwale Adio, Onashoga Adebukola, Abayomi-Ali Adebayo and Aborisade Oluwaniyi (Eds). 204 -211. Published by Nigeria Computer Society

(vi). **Technical Reports:** Nill

10. MAJOR CONFERENCES ATTENDED WITH PAPERS READ

1. Wale-Orojo and **Olayiwola O. M** (2021) Modeling rare events in an Adaptive Cluster Sampling Design with heterogeneity among networks and within network units, 2021 International Conference of the Royal Statistical Society, Manchester, England, United Kingdom, September 6 – 9, 2021
2. **Olayiwola O.M.**, Audu A, Olawoyin I. O., Olawoore S. A, Ibrahim A (2020) A Class of Ratio Estimators of a Finite Population Mean Using Two Auxiliary Variables Under Two-Phase Sampling Scheme. 1st Annual Conference of the Royal Statistical Society Nigeria Local Group (RSS-NLG), February 5 – 6, 2020 held at Federal University of Agriculture, Abeokuta, Nigeria
3. Olayiwola O.M. (2018). *Royal Statistical Society 2018 Annual International Conference*, Cardiff City Hall, United Kingdom. 5th of September to 6th of September 2018
4. Olayiwola O.M. (2017). Modelling Climate variables. *Royal Statistical Society 2017 Annual International Conference*, University of Strathclyde, Glasgow, United Kingdom. 4th of September to 7th of September, 2017.
5. Olayiwola O.M. (2016). Efficiency of Some Exponential Estimators for Estimating Heterogeneous Population Parameters. *Royal Statistical Society 2016 Annual International Conference*, University Place, University of Manchester, United Kingdom. 5th of September to 8th of September 2016
6. *Maths Foresee General Assembly*, 5th -7th September 2016, St Leonard's Hall, Edinburgh EH16 5AY, United Kingdom
7. *SECURE LAUNCH EVENT CONFERENCE*, University of Glasgow, United Kingdom, 11th of September, 2015
8. *Past Earth Network Conference*, University of Leeds held at Crewe Hall, 1st of September to 4th of September 2015
9. Olayiwola O.M (2015) Vector Autoregressive Model for Monitoring Carbondioxide (CO₂) Emission from the Consumption of fossil fuels. *Royal Statistical Society 2015 Annual International Conference*, University of Exeter, United Kingdom. 7th of September to 10th of September 2015.
10. Apantaku F.S. Olayiwola O.M, Adewara A.A (2014): Optimum allocation of multi-items in stratified random sampling using principal component analysis. *Royal Statistical Society 2014 Annual International Conference*, Sheffield, United Kingdom. 1st of September to 4th of September 2014.
11. Olayiwola O.M., Apantaku F.S, Bisira H.O, and Adewara A.A (2013): Efficiency of Neyman Allocation Procedure over equal and Proportional allocation procedures in Stratified Random Sampling. *Royal Statistical Society 2013 Annual International Conference*, Newcastle Upon Tyne, United Kingdom. 2nd of September to 5th of September 2013

12. Olayiwola O. M., G.N. Amahia, O.A. Oyegunle and A.A. Adewara (2012). Determination of Broiler Chicken's maximum weight with respect to age and feeding rate. *Royal Statistical Society 2012 Annual International Conference*, Telford International centre, United Kingdom. 3rd of September to 6th of September, 2012.
13. Okunlade A.A and Olayiwola .O.M. (2008). The Multivariate Analysis of students' Academic Performance in Nigerian Universities. *Royal Statistical Society 2008 Annual International Conference*, East Midland Conference Centre Nottingham, United Kingdom. 1st of September to 5th of September, 2008.

11. INFORMATION ON FELLOWSHIP, MASTER'S PROJECTS AND PH.D. THESIS SUPERVISED

1. Title of Thesis: Modeling Poverty Rate in Small Area Under two Stage Sampling
 Name of Student: AJAYI Abayomi Olumayowa
 Date/Year of Commencement: 2019
 Complete / on-going (Anticipated date of completion): In progress
 Sole / Collaborative Supervision: Major Supervision

2. Title of Thesis: Development and Validation of new calibrated weight with optimum precision in Stratified Sampling
 Name of Student: OLAWOYI Olatunji Ishaq
 Date/Year of Commencement: 2020
 Complete / on-going (Anticipated date of completion): In progress
 Sole / Collaborative Supervision: Major Supervisor

3. Title of Thesis: Improved Exponential Ratio and Product Estimator for finite Population Variance in Stratified Random Sampling
 Name of Student: Adetona Mushafan Olabode
 Date/Year of Commencement: 2020
 Complete / on-going (Anticipated date of completion): In progress
 Sole / Collaborative Supervision: Major Supervisor

4. Title of Thesis: An Exponential Estimator of population Mean in Stratified Sampling
 Name of Student: Ojenike Oluwadamilola Temitope
 Date/Year of Commencement: 2020
 Complete / on-going (Anticipated date of completion): In progress
 Sole / Collaborative Supervision: Major Supervisor

5. Title of Thesis: A Modified Exponential-Type Estimator for Population Mean in Two Phase Sampling
 Name of Student: Olawoore Sunday Adebayo
 Date/Year of Commencement: 2020
 Complete / on-going (Anticipated date of completion): In progress
 Sole / Collaborative Supervision: Major Supervisor

6. Title of Thesis: Application of Gini Means Difference in Composite Estimators for Population Mean

Name of Student:	Farinde, Oyindamola Esther
Date/Year of Commencement:	2020
Complete / on-going (Anticipated date of completion):	In Progress
Sole / Collaborative Supervision:	Major Supervisor

7. Title of Thesis: Jackknife Approaches For Sampling Error Reduction In Stratified Cluster Sampling

Name of Student:	ADEKPE Daniel Okpwe
Date/Year of Commencement:	2016
Complete / on-going (Anticipated date of completion):	Completed
Sole / Collaborative Supervision:	Major Supervisor

8. Title of Thesis: Modelling rare events in an Adaptive Cluster Sampling with Heterogeneity among Networks and within the Networks Units

Name of Student:	Wale-Orojo Oluwaseun
Date/Year of Commencement:	2015
Complete / on-going (Anticipated date of completion):	Completed
Sole / Collaborative Supervision:	Major Supervisor

9. Title of Thesis: Alternative Method of Estimation In The Presence Of Measurement Error and Non Response Error.

Name of Student:	Ojelabi Olaide Saheed
Date/Year of Commencement:	2015
Complete / on-going (Anticipated date of completion):	Completed
Sole / Collaborative Supervision:	Major Supervisor

10. Title of Thesis: An Alternative Approach to Estimation of Population Mean in Two- Stage Sampling

Name of Student:	Konku Adetola Mary
Date/Year of Commencement:	2015
Complete / on-going (Anticipated date of completion):	Completed
Sole / Collaborative Supervision:	Co- Supervisor

11. Title of Thesis: A stratified Randomized Response Technique for addressing Sensitive questions in Survey

Name of Student:	Sohe Elizabeth
Date/Year of Commencement:	2015
Complete / on-going (Anticipated date of completion):	Completed
Sole / Collaborative Supervision:	CO-Supervisor

12. Title of Thesis: A Modified Estimator In Adaptive Cluster Sampling

- | | |
|---|---------------------|
| Name of Student: | Aderibigbe Tajudeen |
| Date/Year of Commencement: | 2014 |
| Complete / on-going (Anticipated date of completion): | Completed |
| Sole / Collaborative Supervision: | Major Supervisor |
13. Title of Thesis: A Predictive Shopping Bot Model Using Artificial Neural Network
- | | |
|---|-------------------|
| Name of Student: | Soretire Temitope |
| Date/Year of Commencement: | 2014 |
| Complete / on-going (Anticipated date of completion): | Completed |
| Sole / Collaborative Supervision: | Co- Supervisor |
14. Title of Thesis: A Recommendation-Based Approach to trace Clustering in Process Aware Information
- | | |
|---|---------------------------|
| Name of Student: | EGBEKOYA Damilola Tomiwa |
| Date/Year of Commencement: | 2014 |
| Complete / on-going (Anticipated date of completion): | Completed |
| Sole / Collaborative Supervision: | Collaborative Supervision |
15. Title of Thesis: A New Channel Allocation Scheme for Mobile Network
- | | |
|---|---------------------------|
| Name of Student: | OYEDELE Oluwasanya |
| Date/Year of Commencement: | 2014 |
| Complete / on-going (Anticipated date of completion): | Completed |
| Sole / Collaborative Supervision: | Collaborative Supervision |
16. Title of Thesis: A Modified Regression Estimator with Multi Auxiliary Variable for Double Sampling
- | | |
|---|------------------|
| Name of Student: | POPOOLA Raqeeb |
| Date/Year of Commencement: | 2014 |
| Complete / on-going (Anticipated date of completion): | Completed |
| Sole / Collaborative Supervision: | Major Supervisor |
17. Title of Thesis: Geophysical and Geochemical Investigation of Oshosun Phosphate Deposit in Ifo, Ogun State, South West Nigeria
- | | |
|---|---------------|
| Name of Student: | Aina Johnson |
| Date/Year of Commencement: | 2013 |
| Complete / on-going (Anticipated date of completion): | Completed |
| Sole / Collaborative Supervision: | Co-Supervisor |
18. Title of Thesis: On a Modified Regression-Ratio type Estimator for homogeneous and heterogeneous populations
- | | |
|---|------------------|
| Name of Student: | Adegoke Sarafa |
| Date/Year of Commencement: | 2013 |
| Complete / on-going (Anticipated date of completion): | Completed |
| Sole / Collaborative Supervision: | Major Supervisor |

19. Title of Thesis: A Modified Post Stratification Regression Estimator Using Two Auxiliary Variables

Name of Student: Okunlade Abiola Akintayo
Date/Year of Commencement: 2013
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Major Supervisor

20. Title of Thesis: A Modified Generalized Chain Ratio in Regression cc v2` Estimator for Population Mean using two Auxiliary Characters

Name of Student: JAIYEOLA Opeyemi Saidat
Date/Year of Commencement: 2013
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Collaborative Supervision

21. Title of Thesis: Comparison of estimates on two occasions involving Stratification using Successive Sampling

Name of Student: AJAYI Abayomi Olumayowa
Date/Year of Commencement: 2013
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Collaborative

Supervision

22. Title of Thesis: A Modified Exponential Ratio-Type Estimators in Stratified Ranked Set Sampling

Name of Student: AYELESO Timothy Olubiyi
Date/Year of Commencement: 2013
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Major Supervisor

23. Title of Thesis: Modified Ratio Estimator using Multiple Auxiliary Variables

Name of Student: GBOYEGA Ayobami Fadilat
Date/Year of Commencement: 2013
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Major Supervisor

24. Title of Thesis: Users' Perception of Level of Service of Multi-Lane Highway in Lagos State, Nigeria

Name of Student: ODUBELA Christiana
Date/Year of Commencement: 2012
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Collaborative Supervision

25. Title of Thesis: Analysis of Food Security Amongst Plantain Producing Households in Edo State, Nigeria

Name of Student: OZOR Patience Lilian
Date/Year of Commencement: 2012

Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Collaborative Supervision

26. Title of Thesis: A Channel Borrowing Technique for Congestion Management in Global System for Mobile Network

Name of Student: ADENEYE Oluwatobi Adewale
Date/Year of Commencement: 2012
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Collaborative Supervision

27. Title of Thesis: Forensic Investigation of Road Pavement Failure: Portions of Ikorodu-Imota and Federal University of Agriculture, Abeokuta Ceremonial Roads.

Name of Student: ADEYEMI Joseph Olasile
Date/Year of Commencement: 2012
Complete / on-going (Anticipated date of completion): Completed
Sole / Collaborative Supervision: Collaborative Supervision

28. Title of Thesis: Evaluation of Traffic Congestion on some strategic freeways in Lagos State.

Name of Student: ARIYO Micheal Kunle
Date/Year of Commencement: 2012
Complete /On-going (Anticipated date of completion): Completed
Sole /Collaborative Supervision: Collaborative Supervision

12. EXTRA CURRICULA ACTIVITIES

1. Networking
2. Reading
3. Researching
4. Travelling

13. REFEREES

1. Prof. G.N. Amahia
Department of Statistics
University of Ibadan, Nigeria
08034726152
2. Prof. V. Makinde
Department of Statistics
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3. Prof. B. I. Olajuwon
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