Isaac Oluwaseyi Ajao (Ph.D)

Ita-Alaoro Quarters, Rectors village, Federal Polytechnic, Ado-Ekiti, Ekiti state, Nigeria
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Visionary Data Education and Empowering Excellence

My vision is to demystify the complexities of statistical theories and algorithms, making data-driven insights accessible to all. Through my expertise in machine learning and statistical analysis, I aim to empower individuals and organizations to harness the power of data for informed decision-making. My mission is to educate, innovate, and advocate for the ethical use of data science, fostering a culture of transparency and accountability while solving real-world challenges with data-driven solutions.

Education

- Statistics (PhD), University of Ibadan, Ibadan, Nigeria (2021)
- Statistics (MSc), University of Ilorin, Ilorin, Nigeria (2006)
- Statistics (BSc Hons), University of Ilorin, Ilorin, Nigeria (1998)
- Postgraduate Diploma in Education (PGDE), University of Ilorin, Ilorin, (2007)

Work Experience

Chief Lecturer – Federal Polytechnic, Ado-Ekiti, Nigeria (2008 - Present)
Courses taught: Advanced Statistics for Computing (Python and R), Statistical Packages; Data Management I & II; Business Statistics; Sampling Techniques; Operations Research; Applied General Statistics; Demography I & II; Elementary Probability Theory; Medical Statistics; Economic and Social Statistics; Statistical Methods in Engineering; Statistics for Computing.

Part-Time Lecturer - Osun State College of Education (2007- 2008)
Course taught: Introduction to Computing

Mathematics Teacher – Osun State Teaching Service Commission (TESCOM) (July 2002 - 2008)
Subjects taught: General Mathematics, Further Mathematics

Mathematics Teacher – Government Secondary School, Maru, Zamfara State, Nigeria (1998)
Subject taught: General Mathematics

Publications

Journals

Ajao I.O, Obafemi, O.S. and Ewumi, T.O. (2011): Household sanitation and Mortality rate in Nigeria: An Exploratory Analysis. Journal of Applied Sciences in Environmental Sanitation, Department of Environmental Engineering, Subaraya, Indonesia. 6(3): 333-342. ISSN: 0126-2807

Awogbemi, C.A., and Ajao, I.O**.** (2011)**:** Modelling valitility in Financial Time series: Evidence From Nigerian Inflation Rate. Ozean Journal of Applied Sciences, Yavuztürk Mahallesi, okulyolu caddesi, mavi kartal sitesi, D-4-A blok daire 27. Uskudar/Istanbul/ TURKEY. 4(3):337-350. ISSN: 1943-2429

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Ajao, I.O., Abdullahi, A. A. and Raji, I.I (2012): Polynomial Regression Model of Making Cost Prediction in Mixed Cost Analysis. Journal of Mathematical Theory and Modeling, USA. 2(2): 14 – 23. ISSN (Paper) 2224-5804 ISSN (Online) 2225-0522

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O. O. Awe, I. O. Ajao and M. A. Olagunju (2013): Regression Model Diagnostic, Test and Robustification in the presence of Multi-collinear Covariates. International Journal of Computer and Electronics Research. 2(2): 122 – 131

I. O. Ajao, C. A. Awogbemi, and O. O. Awe (2013): Analysing sub-saharan African Economic Freedoms Using Principal Component Analysis. www.transcampus.org/journals; www.ajol.info/journals/jorind JORIND 11(2): 167 – 181

S.O. Ige, O.S. Obafemi and I.O. Ajao (2013): Possible Effect of Loss of Information in Reducing Scales of Measurement. www.ijopaasat.in 18 (2): 30 – 38

Lawal, Ademola S and Ajao, Isaac O (2013): Statistical Assessment of Gender Differences on Sexuality and Reproductive Health Knowledge among Undergraduates: A Case of Federal Polytechnic, Bauchi, North Eastern Nigeria. International Journal of Research Advancement in Physical Science. 3(1): 26 – 30

I. O. Ajao, S. O. Ige, and O. S. Obafemi (2015): The Effect of Smoking and Drinking Habits On the Performances of Nigerian Students. International Journal of Innovative Science, Engineering & Technology, 2 (4): 296 – 309. ISSN 2348 – 7968

Obafemi, O. S., Ajao, I. O. and Bolarinwa, F. A. (2015): Application of Hotelling T square In Comparing Students' Enrollment In Some Selected Nigeria Tertiary Institutions. Journal of Science, 5(8): 678 – 682. e ISSN 2277 - 3290 Print ISSN 2277 - 3282

Ajao, I. O., Olasehinde, O. D. and Obafemi, O. S. (2015): The Use of R: A Comparative Change In Computational Time Series Analysis and Model Diagnostics. Journal of Business and Technological Education, School of Business Studies, The Federal Polytechnic, Ado-Ekiti, Nigeria. 9(1): 92 – 107

Isaac O. Ajao, Femi J. Ayoola, Joseph O. Iyaniwura (2016): Temporal Disaggregation Methods in Flow Variables of Economic Data: Study. Comparison. International Journal of Statistics and Probability; 5(1), 36-45. DOI: https://doi.org/10.5539/ijsp.v5n1p36

Iyiola R.O., Aliu A.A., Obafemi O.S., Ajao I.O., Adetunji A.A., Faduyile F.A., Ogunleke R.I., Omonisi, A., and Awosile J.O (2017): Modelling Risk Factors for vital Topographies of Cancer in the South Western States of Nigeria. Journal of Cancer Biology & Research. 5(3): 1104. DOI: https://doi.org/10.47739/2373-9436/1104

Tugbobo Oladimeji S, Idowu Kayode S, Ajao Oluwaseyi I (2018): Antioxidative Potential of Garlic on Lead-Induced Oxidative Stress and Effect on Enzyme Activity in Rice Plants. Edelweiss Applied Science and Technology 2(1): 79-83. DOI: 10.33805/2576.8484.118

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Isaac O. Ajao, Alademomi Aladesuyi, Oluwafemi S. Obafemi (2018): Spatial Patterns and Socio-demographic Determinants of the Decision maker on large household purchases in Nigeria: A Bayesian Semi-parametric Geo-Additive Model. Anale. Seria Informatică. Vol. XVI fasc. 2 – 2018 Annals. Computer Science Series. 16th Tome 2nd Fasc. – 2018 https://anale-informatica.tibiscus.ro/download/lucrari/16-2-26-Ajao.pdf. ISSN: 1583-7165 (printed journal) ISSN: 2065-7471 (e-journal)

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Kayode S. O. Ibikunle and Isaac O. Ajao (2019): Analysis on Reported cases of HIV at Ekiti State University Teaching Hospital, South-Western Nigeria. Society for Science and Education, United Kingdom. 7(2): 56 – 62. http://dx.doi.org/10.14738/tmlai.72.6333

Tugbobo, O. S., Ajao, I. O. and Idowu, K. S. (2019): Protective Effect of Solanum indicum Leaf Extract Against Pb2+- Induced Lipid Peroxidation and Hepatomegaly in Albino Rats: Scientific Research Journal (SCIRJ), 7(4): 35 – 40. DOI: http:/10.31364/SCIRJ/v7.i4.2019.P0419631

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K. A. Muhammed, F. A. Bolarinwa, and I. O. Ajao (2019): Exponential smoothing methods in forecasting Nigeria consumer price index. Annals. Computer Science Series. Vol. XVII fasc. 2 – 2019. 148 – 154. ISSN: 1583-7165 (printed journal) ISSN: 2065-7471 (e-journal).

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Ajao, I. O., Awogbemi, C. A. and Ilugbusi, A. O. (2020): Vector Autoregressive Models for Multivariate Time Series Analysis on Covid-19 pandemic in Nigeria. African Journal of Biology and Medical Research. Vol. 3, no. 2, 171-181. ISSN: 2689-534X

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Ajao, I.O. Nwaka R. N., Abereifa, O. L. (2023): Modelling Predictors for Usage of facemasks among the students of the Federal Polytechnic Ado-Ekiti. International Journal of Novel Research and Development (IJNRD). ISSN: 2456-4184

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Awogbemi Clement Adeyeye, Alagbe Samson Adekola, Ajao Isaac Oluwaseyi (2023): Generating Future and Present Values of Annuity Using Interest Rate Theory. KEPES Issue 2 pp. 269-276. https://journal-innovations.com/assets/uploads/doc/e5f17-1664-1671.16565.pdf

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Ajao, I. O., Olayinka, H. A., Olugbode, M. A., Yaya, O. S., & Shittu, O. I. (2023). Long memory cointegration and dynamic connectedness of volatility in US dollar exchange rates, with FOREX portfolio investment strategy. Quantitative Finance and Economics, *7*(4), 646–664. https://doi.org/10.3934/QFE.2023031

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Ano-Edward G.H., Ajao I.O., Uduagbamen P.K., Adekunle A.A. (2025). Gleason Score as a Diagnostic Tool in Prostate Cancer Assessment: Findings from a Tertiary Health Care Center in Southwest, Nigeria. The Nigerian Health Journal 2025; 25(1), 174-180. https://doi.org/10.71637/tnhj.v25i1.947

Ano-Edward G.H., Ajao I.O., Uduagbamen P.K., Onabanjo B.D. (2025). Ambiguous report in anatomic pathology; a southwestern Nigeria experience. Ibom Medical Journal. 18(3) July - September 2025 533-538. https://doi.org/10.61386/imj.v18i3.714

Jooda Kehine Olurotimi, Ano-Edward Gbemi Henry, Ododo Benard Itopa, Uduagbamen Peter Kehinde, Ajao I. Oluwaseyi, Lasisi Mathew Eniola, Onabanjo Blessing Dupe, Famoroti Busayo Mercy and Oladipo Elijah Kolawole (2025). Health Impact of Heavy Metals in Quarry Dust On Quarry Workers in Osun State, Nigeria. Journal of Applied Health Sciences and Medicine, 5(8):18–26, 2025. https://doi.org/0.58614/jahsm583

Olutoyin Olaitan & Isaac Oluwaseyi Ajao (2025). Generative AI in Higher Education: Investigating How Perceived Usefulness and Usage Patterns Influence Student Engagement and Academic Performance. International Journal of Learning, Teaching and Educational Research Vol. 24, No. 11, pp. 682-710, November 2025. https://doi.org/10.26803/ijlter.24.11.32

Conferences

Obafemi, O.S., Ige, S.O. and Ajao, I.O. (2009): A study of Power Holding Corporation of Nigeria (PHCN) service delivery at Ilorin. International conference & Exhibition, Federal Polytechnic, Ado-Ekiti, Nigeria. 2(1): 175 – 180.

Ajao, I. O., Animashaun, S. J., and Obafemi, O. S. (2013): A Statistical Investigation into Risk Factors for Low Birth Weight in Nigeria. International conference & Exhibition, The Federal Polytechnic, Ado-Ekiti, Nigeria

Ajao, I. O. and Shuaib-Babata, Y. L. (2014): Reliability Data with Weibull Analysis Using Microsoft Excel. 9th Engineering Forum, School of Engineering, The Federal Polytechnic, Ado-Ekiti, Nigeria.

Ajao, I.O., Momoh, J.J. and Olusanya, A.J. (2014): E-Learning Content Development Processes and Methods. 9th Engineering Forum, School of Engineering, The Federal Polytechnic, Ado-Ekiti, Nigeria.

Shuaib-Babata, Y. L. and Ajao, I. O. (2014): Acceptability of Learning and Practice of Entrepreneurial Skills among Mechanical Engineering Students in Nigeria. Fifth International Conference On New Strategies for Coping with a changing world, International Research and Development Institute, Uyo, Nigeria.

Ajao, I. O., Olasehinde, O. D. and Obafemi, O. S. (2015): The Use of R: A Comparative Change In Computational Time Series Analysis and Model Diagnostics. 10th National Conference of School of Business studies, The Federal Polytechnic, Ado-Ekiti, Nigeria.

Ajao, I. O., Babata, Y. L. and Adebara, L. (2015): Application of Poisson Probability Distribution To Solve Transportation Problem In Federal Polytechnic, Ado-Ekiti. 10th Engineering Forum, School of Engineering, The Federal Polytechnic, Ado-Ekiti, Nigeria.

Ajao, I. O., Ibikunle, K. S. O., and Obafemi, O. S. (2016): Measuring Inter-Rater Agreement in Scoring Students Using Intra-Class Correlation. 5th SSCS Annual International Conference. The Federal Polytechnic, Ado-Ekiti 13th - 16th September, 2016.

Ajao, I. O., Obafemi, O. S., and Ibikunle, K. S. O (2017): A Statistical Assessment of CBT Multiple Choice Questions In Nigerian Institutions of Higher Learning (A case study of Federal Polytechnic, Ado-Ekiti). 11th Engineering Forum, School of Engineering, The Federal Polytechnic, Ado-Ekiti, Nigeria

Ajao, I. O., Ayoola, F. J., and Iyaniwura, J. O. (2017): On the Economic Data Reconciliation with Benchmarking Models, 1st International Conference of Nigeria Statistical Society, University of Ibadan, Ibadan 3rd - 5th April, 2017

Ajao, I. O., Obafemi, O. S., and Bolarinwa, F. A. (2017): Modelling Dollar - Naira, Exchange Rate in Nigeria using R. 1st International Conference of Nigeria Statistical Society, University of Ibadan, Ibadan 3rd - 5th April, 2017

Ajao, I. O., and Ogunde, A. A. (2017): Measuring Deviance Goodness-of-fit for Poisson Regression Model with Application to Count Data in Medicine. 1st International Conference of Nigeria Statistical Society, University of Ibadan, Ibadan 3rd - 5th April, 2017

Isaac O. Ajao, Oluwafemi S. Obafemi, and Folasade A. Bolarinwa (2018): Effects of Sample Size and Dispersion on Quantile-Based plots for Detecting Normality. 2nd International Conference of Nigeria Statistical Society, University of Calabar, Calabar, 10th - 12th April, 2018.

Isaac O. Ajao and Olarewaju I. Shittu (2018): Investigating the Robustness of Filters for Integrated Processes in Business Cycles. 2nd International Conference of Nigeria Statistical Society, University of Calabar, Calabar, 10th - 12th April, 2018

A. U. Chukwu, A. A Ogunde, and I. O Ajao (2018): Theoretical Analysis of Topp-Leone Exponentiated

Weibull Distribution as a Life Time Distribution. 2nd International Conference of Nigeria Statistical Society, University of Calabar, Calabar, 10th - 12th April, 2018

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Ajao, I. O., Odeyemi, C. A. and Obafemi, O.S. (2020): Modelling Geospatial Autocorrelations of Open Defecation Indicators in Nigeria. 4th International Conference of Professional Statisticians Society of Nigeria (PSSN), University of Ilorin, Ilorin, 24th - 26th August, 2020

Ajao, Isaac Oluwaseyi, Adaraniwon, Amos Olalekan, Ilugbusi, Ayokunle Oluwatosin (2022): Analysing Non-Linear Relationships Using Spline Regression Model. 6th International Conference of Professional Statisticians Society of Nigeria (PSSN), Yaba College of Technology, Yaba, Lagos. 27th - 30th June, 2022.

Isaac Oluwaseyi Ajao, Vincent Jemilohun, Clement Adeyeye Awogbemi (2023): Spatial Dependence of Poverty Rate and Socio-Economic Indicators in Nigeria: An Empirical Analysis. 7th International Conference of Professional Statisticians Society of Nigeria (PSSN), Nasarawa State University, Keffi, Nasarawa state. 26th - 28th July, 2023.

Ajao, I. O. and Obafemi, O. S. (2024): Leveraging Machine Learning for Economic Resilience: Binary Classification of GDP per Capita Trends in Nigeria. 1st International Conference of School of Applied Sciences, Federal Polytechnic, Ile-Oluji, Ondo state. 2nd – 4th July, 2024.

Isaac Oluwaseyi Ajao and Clement Adeyeye Awogbemi (2024): Spatial Analysis of Reading Culture Among Higher Education Students in Southwestern Nigeria: An Empirical Analysis. 8th International Conference of Professional Statisticians Society of Nigeria (PSSN), Abubakar Tafawa Balewa University (ATBU), Bauchi, Bauchi state. 15th - 18th July, 2024.

Ayokunle Oluwatosin Ilugbusi, Isaac Oluwaseyi Ajao, and Alaba Akinleye Obabire (2025): Exchange Rate Volatility and Policy Transitions in Nigeria (1960–2025): A Historical and Empirical Analysis. 9th International Conference of Professional Statisticians Society of Nigeria (PSSN), Federal Polytechnic, Ado-Ekiti, Ekiti state. 4th – 7th August, 2025

Isaac Oluwaseyi Ajao, Oluwafemi Samuel Obafemi and Saheed Lekan Mumini (2025): Modelling Food Sourcing and Consumption Patterns in Nigerian Households: A Statistical Approach Using Post-Harvest Data. International SAAT Multi-Disciplinary Research Conference (I-SAMREC), Federal

Polytechnic, Ado-Ekiti, Ekiti state. 7th – 10th September, 2025

Contribution to book chapter

Olutoyin Olaitan & Isaac O. Ajao (2025). Mitigating Unintended Consequences of Technology Adoption in South African Higher Education (Chapter 9). In N. R. Jere, G. Mwansa, M. Ranga, A. M. Gamundani, & P. B. Maoneke (Eds.), Digital Inequality in a Developing Context: A Multifaceted Approach (pp. 157-172). Cape Town: AOSIS. ISBN 978-1-991271-17-4. https://books.aosis.co.za/index.php/ob/catalog/book/494

Conferences and Seminars

- Nigerian Statistical Association 32nd Annual Conference, Ado-Ekiti 27th Oct. - 1st Nov. 2008
- 2nd International Conference and Exhibition. The Federal Polytechnic, Ado-Ekiti 30th Jun - 3rd Jul. 2009.
- Nigerian Statistical Association 33rd Annual Conference, Gusau, Zamfara state   12th- 14th August, 2009.
- 3rd International Conference and Exhibition. The Federal Polytechnic, Ado-Ekiti 30th Jun - 3rd Jul. 2010.
- 2nd International Conference on Culture, Science and Sustainable Development. Salle Audio Visuelle, Universite Nationale du Benin, Abomey-Calavi, Cotonou, Republic of Benin. 23rd – 26th August, 2011.
- 4th SSCS Annual International Conference. The Federal Polytechnic, Ado-Ekiti 2nd - 4th September, 2013.
- 9th Engineering Forum, School of Engineering, The Federal Polytechnic, Ado-Ekiti, Nigeria. 12th – 15th August, 2014.
- 8th e-Nigeria Conference and Exhibition, Transcorp Hilton Hotel, Abuja, 18th – 20th November, 2014
- 10th Engineering Forum, School of Engineering, The Federal Polytechnic, Ado-Ekiti, Nigeria. 24th – 26th November, 2015.
- 10th National Conference of School of Business studies, The Federal Polytechnic, Ado-Ekiti, Nigeria. 24th – 26th November, 2015.
- 5th SSCS Annual International Conference. The Federal Polytechnic, Ado-Ekiti 2nd - 13th - 16th September, 2016.
- Nigeria Statistical Society 1st International Conference, University of Ibadan, Ibadan 3rd - 5th April, 2017
- Centre for Research, Innovation and Development, 1st International Conference, The Federal Polytechnic, Ado-Ekiti, 15th – 19th August, 2017.
- Nigerian Statistical Association 1st International Statistical Conference, Federal College of Education (Technical), Akoka, Lagos state 6th - 8th September, 2017.
- Nigeria Statistical Society 2nd International Conference, University of Calabar, Calabar 10th - 12th April, 2018.
- 6th SSCS Biennial International Conference. The Federal Polytechnic, Ado-Ekiti 21st - 24th August,

2018.

- Professional Statisticians Society of Nigeria 3rd International Conference, Ahmodu Bello University, Zaria, 17th - 20th June, 2019.
- Resource speaker, African – British Journal International E-Conference on Impact of covid-19 Global Impact. 20-21 July 2020
- 8th SSCS Biennial International Conference. The Federal Polytechnic, Ado-Ekiti 11th - 14th September 2022.
- 9th SSCS Biennial International Conference. The Federal Polytechnic, Ado-Ekiti 4th - 6th September 2024.
- 8th International Conference of Professional Statisticians Society of Nigeria (PSSN), Abubakar Tafawa Balewa University (ATBU), Bauchi, Bauchi state. 15th - 18th July, 2024.
- 9th International Conference of Professional Statisticians Society of Nigeria (PSSN), The Federal Polytechnic, Ado-Ekiti, Ekiti state. 4th - 7th August, 2025.

Trainings and Workshops
- Workshop on Time Series Analysis. The Federal Polytechnic, Ado-Ekiti. 27th- 28th October 2008.
- Workshop on Solving One-Way and Two-Way Multivariate Analysis of Variance Problems Using MINITAB and SPSS. Gusau, Zamfara state. 12th – 14th August 2009.
- Entrepreneurship Education / Training-the-Trainer Workshop. The Federal Polytechnic, Ado-Ekiti, Ekiti state, 10th – 18th January 2011.
- International Workshop and Training in Mathematical Modelling, Neural Network, Data Mining and Scientific Computing with MAPLE and MATLAB, Covenant University, Ota, Ogun state. 23rd – 27th May 2011.
- Improving the capacity of Mathematical Sciences Lecturers on Research Analysis. National Mathematical Centre, Abuja. 16th – 21st October 2011.
- Workshop on Tilapia production – The All male Technology, organized by the Fisheries Society of Nigeria (FISON), Ikeja, Lagos state. 17th – 19th April 2012.
- International Tertiary Institution Top Executive Workshop on Entrepreneurship Education – A priority for the higher education institutions at Mplaza Hotel, Accra, Ghana. 7th -11th October 2013.
- E-learning Africa, 9th International Conference on ICT for Development, Education and Training, Kampala, Uganda. 28th – 30th May 2014.
- Training on BIOSTATISTICS FOR RESEARCHERS, LCCI building, Lagos. 21st – 22nd October, 2015.
- Cyber Security Incidence and Counter Measures for Polytechnics and Similar Tertiary Institutions in Nigeria. Kaduna. National Board for Technical Education (NBTE), Kaduna, Nigeria. 16th – 20th November, 2015.
- Workshop on Data Analysis and Visualization using MATLAB, Akoka, Lagos state 4th - 5th September, 2017
- Training on Distributional Regression Models for Analysis of Spatial Data, Federal University of Technology, Akure. 28-31 May, 2018
- Understanding Open Educational Resources (OER), offered by Commonwealth of Learning CoL,

Canada, April 13, 2020

- Improving Academic Writing Skills in Publishing High Impact Journals, Universiti Putra Malaysia, June 11, 2020
- Two-day Workshop on "Aligning Yourself to the Publishing Process", organized by Customer Consultant, South Asia, Elsevier. July 23-24, 2020
- Complete Machine Learning with R studio, Start-Tech Academy and Udemy, Inc. California, USA. April 22-26, 2021

Skills & Abilities

Self-Deployed Trainings for Researchers on the use of Statistical packages

- Resource person, 2-day Training Workshop on the Application of packages for Statistical data analysis for researchers in biochemical sciences. 13th & 14th November, 2014
- Facilitator on Statistical Packages, National Diploma (Part-time) students of the Federal Polytechnic, Ado-Ekiti, 2013 – 2014
- Resource person, 3-day Training Workshop on the use of SPSS and EXCEL for Statistical data Analysis for Researchers in Social Sciences. School of Business Studies, Federal Polytechnic, Ado-Ekiti, 13th – 15th October, 2015
- Facilitator on Statistical Packages, Higher National Diploma (Full-time) students of the Federal Polytechnic, Ado-Ekiti, 2018 - date
- Resource Person, Statistical Data Analysis and Interpretations Training Workshop, organized by Centre for Research and Innovation Development (CRID), Federal Polytechnic, Ado-Ekiti. 24th May, 2016.
- Resource person, Training on Statistical Data Analysis using R, organized by Research and Publication Committee of Sciences, Engineering and Environmental Technology, The Federal Polytechnic, Ede, Osun state. 26-30 March, 2018.
- Resource person, A 1-day Training on Data Analysis and Visualization using MATLAB for Academic Staff of Mathematics & Statistics Department, The Federal Polytechnic, Ado-Ekiti. 14th June, 2018.
- Resource person, Capacity Building Training on use of SPSS and STATA for data Collection and Analysis for officers of Kaduna state Economic Intelligence Unit (EIU), Zaria, Kaduna state. 22-26th June, 2020
- Resource person, 1-day training on Choice of Appropriate Statistical Methods, Tools, and Analyses for Design of Experiments for academic staff of Agricultural and Bio-Environmental Engineering Technology (ABE), Federal Polytechnic, Ado-Ekiti. 13th May, 2022
- Resource person, 1-day training on Data Analytics As Applied to the Mineral & Petroleum Industry for academic staff of Mineral and Petroleum Resources Engineering Technology (MPRET), Federal Polytechnic, Ado-Ekiti. 25th August, 2022
- Online Facilitator, 1-day training on Data Collection methods for Scientific Analysis and Valid Decision Making. Organized by the Professional Statistician Society of Nigeria (PSSN), 29th December, 2022
- Online Facilitator, 1-day training on Analysis and Visualization of Spatial data using R and STATA. Organized by the National Mathematical Centre (NMC), Abuja, 19th April, 2023

- Resource person, 2-day training on Data Analysis using Python and R programming for academic staff of Computer Science department, Federal Polytechnic, Ado-Ekiti. 25th and 30th January, 2024

- Data Science instructor, Innovative Development and Effectiveness in the Acquisition of Skills (IDEAS) sponsored by the world bank in Ekiti state, Nigeria (October 2024 – January 2025)
- Resource person, Statistics and Data Analysis using R, organised by the Unilorin R-users group. 22nd March, 2025. https://www.youtube.com/watch?v=qQlf4ySLpjQ
- Resource person, Theoretical and Empirical Review with support of Litmaps, QDA Miner Software, Python, Publish or Perish (PoP), and other software in a Two-Day workshop on **Research Writing**, organised by the School of Business Studies R. 9th and 10th April, 2025

Project Supervision

Lead Data Officer – Ekiti State Household Survey (Rapid Response Register Project)
National Social Safety Nets Coordinating Office (NASSCO) | 2021 – 2022

- Led the state-level data operations for the Household Survey aimed at capturing socio-economic data for inclusion in the Rapid Response Register (RRR).
- Managed enumerator teams across multiple LGAs, providing training, supervision, and field support to ensure accurate and timely data collection.
- Oversaw data quality assurance processes, including validation checks, error detection, and real-time troubleshooting.
- Coordinated with local government officials, community leaders, and NASSCO headquarters to align survey operations with national standards.
- Contributed to the integration of household socio-economic profiles into the national RRR database to facilitate targeted social interventions.

Consultant – Nigerian Multidimensional Poverty Index (MPI) Survey
Across 19 Northern States of Nigeria | June 2025 – Present

- Served as a technical consultant on the nationwide Nigerian MPI survey, focusing on the 19 northern states.
- Supported survey methodology development, including sampling design, questionnaire review, and alignment with global MPI standards.
- Supervised field data collection teams, ensuring adherence to data quality protocols and timely submission of survey returns.
- Conducted real-time data quality checks using statistical and geospatial tools to validate accuracy, completeness, and consistency.
- Collaborated with government agencies, development partners, and NGOs to facilitate stakeholder engagement and clarify data requirements.
- Provided preliminary data analysis and interpretation, highlighting multidimensional poverty trends to inform targeted policy interventions.
- Ensured compliance with ethical standards, confidentiality requirements, and international survey best practices.

Handling Masters and PhD data analysis

I have handled many Masters and PhD statistical data analysis from across the globe, and currently handling 4 from different universities

Mentorship

Appointed as a Departmental students' Staff Adviser, 21st May 2009 – 2018

Collegiate Attributes

- **Education and Knowledge Sharing**: I value education and believe in the power of knowledge sharing to empower individuals and foster professional growth.
- **Accuracy and Precision:** I place importance on accuracy and precision in data analysis, ensuring that insights and conclusions drawn from data are reliable and meaningful.
- **Ethical Data Practice:** I prioritize ethical data practices, including data privacy, confidentiality, transparency, and responsible use of data in research and analysis.
- **Continuous Improvement**: I believe in continual learning and improvement, staying updated with new tools, techniques, and best practices in data analysis and data science.
- **Collaboration and Teamwork:** I value collaboration and teamwork, recognizing the importance of working together to achieve common goals and deliver high-quality results.
- **Problem-Solving and Critical Thinking**: I emphasize problem-solving skills and critical thinking in approaching data analysis challenges, finding innovative solutions, and making informed decisions based on data.

Academic Citizenship
Review of Academic Journal Articles

- Resources Policy Journal (Elsevier) (October 2022 – March 2023)
- Asian Journal of Probability and Statistics (AJPS) (2021)
- Asian Journal of Medical Principles and Clinical Practice (AJMPCP) (2021)

Leadership

- Departmental Co-ordinator, Center for Entrepreneurship Development and Vocational Studies (CEDVS),   14th Nov; 2010 – 2015
- Departmental Assistant Examination Officer, 2011 - 2012
- One of the Examinations officers in CEDVS, 2012 – 2015
- Chairman, Departmental Project Committee, 1st February 2018 – June 2021
- Departmental coordinator, evening programme 2020 – December, 2021

- LOC Secretary, 3rd International Conference, organized by the Centre for Research, Innovation and Development (CRID), 21-25 June, 2021
- Sub-Dean, Continuing Education Centre, Federal Polytechnic, Ado-Ekiti. 31st December 2021 to 13th December 2023
- Member, Computer Based Examination Committee, 2024
- Chairman, LOC School of Science and Computer Studies (SSCS) 9th Biennial International Conference, 2024
- Chairman, Computer Based Examination Committee, Federal Polytechnic, Ado-Ekiti, July 2025-
- Chairman, Time Table Committee, Federal Polytechnic, Ado-Ekiti, July 2025-

Community Engagement

- Vice president, Senior Staff Welfare Society (SSWS), Federal Polytechnic, Ado-Ekiti, 2022 - 2025
- National Public Relation Officer, Professional Statisticians Society of Nigeria (PSSN), 2022 - date
- Youth Pastor, Christ Restoration Pentecostal Church, Ilorin, Kwara state

Research Writing Collaboration
- I led a team with Mrs F.O. Adedokun of the Department of Library and Information Science, Federal Polytechnic, Ado-Ekiti. The research was to measure reading culture among students of higher learning. An academic paper was published in the year 2020 from it.
- A book chapter and a conference paper resulting from this collaboration have been accepted for publication, with an anticipated publication timeframe in the first quarter of 2024.

Management

Committee Membership
- Member, Electoral committee for Academic Board representative, Federal Polytechnic Ado-Ekiti, 13th July 2021 - 2025
- Sub-Dean, Continuing Education Centre, Federal Polytechnic, Ado-Ekiti. 31st December 2021 to 13th December 2023

Research Associate

Appointed as a Research Associate at Walter Sisulu University, Republic of South Africa, March 01, 2025 – February 28, 2028

Interests

Coding, Reading and Playing the Piano

Grants and Awards

R Consortium Grant Recipient, 2025 RUGS Grant: *Enhancing Data Science Education with R —* April 2025. *Awarded for developing open-source training for learners using R*

Links

Rpubs - https://rpubs.com/seyi/
Github package - https://github.com/softdataconsult/bulkreadr
Github website - https://softdataconsult.github.io/
Orcid - https://orcid.org/0000-0002-3403-6082
Scopus Author ID - https://www.scopus.com/authid/detail.uri?authorId=57961001800
Google scholar - https://scholar.google.com/citations?hl=en&user=AwDJYKIAAAAJ
Research gate - https://www.researchgate.net/profile/Seyi-Ajao
Facebook - https://web.facebook.com/IsaacOluwaseyiAjao/
Twitter (X) - https://twitter.com/seyiajao
Instagram - https://www.instagram.com/oluseyi_ajao/
Linkedin-https://www.linkedin.com/in/isaac-oluwaseyi-ajao-datascientist-dataanalyst-statistician-consultant/
My elearning training portal - https://learning.softdataconsult.com/login/index.php
My Youtube channel for training data analytics- https://www.youtube.com/@softdataconsult

My Quarto account - https://softdata.quarto.pub/

Ekiti R-Users Group - https://www.meetup.com/ekiti-r-user-group/?eventOrigin=pro_network

Development of software on data analytics

Relative Importance Index analysis - https://softdataconsult.shinyapps.io/rii_shinyapp/

Relative Importance Index analysis for users - https://softdataconsult.shinyapps.io/rii_users_shinyapp/

Simple linear regression - https://softdataconsult.shinyapps.io/regression_shinyapp/

Multiple Regression Analysis - https://softdataconsult.shinyapps.io/multiple_regression/

Scatterplot matrix, normality test, autocorrection, heteroscedasity, and multicollinearity tests -

https://softdataconsult.shinyapps.io/multiple_regression/
One sample mean t-test - https://sotfdataconsult.shinyapps.io/one-sample_mean_t-test/

Two sample mean t-test - https://softdataconsult.shinyapps.io/t-test/

Skills

Data analytics and deployment of training on data science using the following:
R, RStudio, Quarto, Rmarkdown, STATA, SPSS, SAS, Python, MINITAB, MAPLE, MATLAB, Nvivo, SmartPLS, Design Expert, and Power BI

References

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