**CURRICULUM VITAE**

**ADEWALE LUKMAN**

1. **General**

**1.1. Personal Information**

Full name: Adewale Folaranmi LUKMAN

Mailing Address: Department of Mathematics;

Department of Epidemiology and Biostatistics

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**1.2. Research Interests**

Applied Statistics; Computational Statistics; Machine Learning and Data Science; Biostatistics; Environmental Statistics; Pre-test and Shrinkage Estimation; Statistical Inference and Simulation Study.

**1.3. Modules I have taught**

Applied Statistical Method; Calculus; Biostatistics; Data Science; Statistics for Biological Sciences; Statistical Inference; Probability theory and Stochastic Process; Data Analysis; Design of Experiment; Mathematical Statistics; Regression Analysis I and II; Statistics for Physical Science and Engineering; Operation Research; Medical Statistics.

**1.4. Education**

1. PhD (Statistics), Ladoke Akintola University of Technology, Ogbomoso, Nigeria, 2014-2018.

1. MSc. (Statistics), University of Ibadan, Ibadan, Nigeria, 2011-2012.
2. BSc. (Statistics), University of Ibadan, Ibadan, Nigeria, 2005-2009.

**1.5. Employment**

1. Senior Lecturer: Department of Epidemiology and Biostatistics, University of Medical Sciences, Ondo, Nigeria. June 2021 till date.

2. Lecturer II: Department of Mathematics, Landmark University, Omu-Aran, Nigeria. September 2017 till June 2021.

3. Teaching Assistant: Ladoke Akintola University of Technology, Ogbomoso, Nigeria. August 2014 to September 2017

**1.6 Project Supervision**

4 Postgraduate student, 11 Undergraduate students.

**1.7. Administrative Roles**

Seminar Coordinator, workshop organizer, member admission committee, statistical training, curriculum review and development, reviewer.

**1.8. Professional Activities and Services**

**Committees**

Member Planning Committee for International Mathematics Day 2019-2021.

Member Operation Subscription By All Means (OSBAM) 2020-2021

Departmental Board of examiners and review from June 2021 till date.

Director for Data Science and Health metrics from August 2022.

Member Senate, University of Medical Sciences, August 2021 till date.

Member Departmental accreditation team 2019-2021; 2022 till date

**Review/ Editorial Service**

* Statistics in Transition new series
* Hacettepe Journal of Mathematics and Statistics
* British Journal of Mathematical and Statistical Psychology
* Journal of Modern Applied Statistical Methods
* Gazi University Journal of Science
* Communications in Statistics – Theory and Methods
* Journal of Applied Statistics
* Computational Statistics
* Journal of Chemometrics
* Communications in Statistics – Simulation and Computation
* Equity Journal of Science and Technology
* Concurrency and Computation: Practice and Experience
* Journal of Statistical Theory and Applications
* Pakistan Journal of Statistics
* Journal of Computational and Applied Mathematics
* Scientific African
* Applied Sciences
* Statistical papers
* Sustainability
* Scientific reports
* Plos One
* Mathematics and Computers in Simulation and others

**1.9. Scholarship, Grants, Fellowship and Prizes**

* Data Quest Scholarship **2022**
* Research Fellow Eotvos Lorand University **2021-2022**
* IMU-SIMON AFRICAN FELLOWSHIP GRANT **2021**
* CIFAR Learning in Machines & Brains program  **2020**
* International Centre for Theoretical Physics **2020**
* Thematic Program of Centre Emile Borel by IHP & CIMPA, France **2019**
* Oyo State Scholarship prize **2010**
* Certificate of Merit and Recognition **2009**
* Faculty of Science Dean Roll of Honor **2008**
* Federal Government Scholarship prize **2005**

**1.10a. Articles Under Reviews**

1. New Scaled-Lasso for Regularization and Variable Selection in High Dimensional Modelling. Scientific Reports.

2. New Lad-Lasso for Robust Shrinkage and Variable Selection in High Dimensional Modelling. Computational Statistics

3. Kibria-Lukman Type Estimator for Regularization and Variable Selection. Scientific Reports

**1.10b. Published Journals/Accepted Journals**

**Paper Published in Mainstream Statistical Journal**

1. Arashi, M., **Lukman A. F**., and Algamal, Z. Y. (2022). Liu regression after random forest for prediction and modeling in high dimension. Journal of Chemometrics. 2022;e3393.

2. Akram, M. N., Amin, M., Kibria, B. M. G., Arashi, M., **Lukman, A. F.** and Afzal, N. (2022). A new improved Liu estimator for the QSAR model with inverse Gaussian response. Communications in Statistics - Simulation and Computation. 10.1080/03610918.2022.2059088

3. Akram, M. N., [Amin, M.](https://www.ingentaconnect.com/search;jsessionid=oyebbimf2amx.x-ic-live-03?option2=author&value2=Amin,+Muhammad), [**Lukman, A. F.**](https://www.ingentaconnect.com/search;jsessionid=oyebbimf2amx.x-ic-live-03?option2=author&value2=Lukman,+Adewale+F.) and [Afzal, S.](https://www.ingentaconnect.com/search;jsessionid=oyebbimf2amx.x-ic-live-03?option2=author&value2=Afzal,+Saima) (2022). Principal component ridge type estimator for the inverse Gaussian regression model. [Journal of Statistical Computation and Simulation](https://www.ingentaconnect.com/content/tandf/gscs;jsessionid=oyebbimf2amx.x-ic-live-03), 92(10), 2060-2089. <https://doi.org/10.1080/00949655.2021.2020274>

4. **Lukman, A. F.**, Amin, M. and Kibria, B. M. G. (2021). Influence measures in gamma modified ridge type estimator, Communications in Statistics - Simulation and Computation. 10.1080/03610918.2021.2011925

5. **Lukman, A. F**., Aladeitan, B., Ayinde, K., and Abonazel, M. R. (2021). **Modified ridge-type for the Poisson Regression Model**: **Simulation and Application. Journal of Applied Statistics.** 10.1080/02664763.2021.1889998

6. **Lukman, A. F.,** Adewuyi, E., Månsson, K. and Kibria, G. B. M. (2021). A new estimator for the multicollinear poisson regression model: simulation and application. Scientific Reports, 11, 3732. <https://doi.org/10.1038/s41598-021-82582-w>.

7. **Lukman, A. F.**, Ayinde, K., Binuomote, S. and Onate, A. C., (**2019**). Modified ridge‐type estimator to combat multicollinearity: Application to chemical data**.** *Journal of Chemometrics*, e3125.  [**https://doi.org/10.1002/cem.3125**](https://doi.org/10.1002/cem.3125)

8. Okunlola, O. A., Alobid, M., Olubusoye, O. E., Ayinde, K., **Lukman, A. F.** and Szűcs, I. (2021). Spatial regression and geostatistics discourse with empirical application to precipitation data in Nigeria. Scientific Reports, 11:16848.

9. **Lukman, A. F.** and Ayinde, K. (**2018**). Detecting Influential Observations in Two-Parameter Liu-Ridge Estimator. *Journal of Data Science*, 16(2), 207-218***.***

10. **Lukman, A. F.,** andAyinde, K. (2017). Review and Classifications of the ridge parameter estimation techniques. *Hacettepe Journal of Mathematics and Statistics*, 46(5), 953-967.

**11. Lukman, A. F.**, Ayinde, K., Kibria, G. B. M. and Adewuyi, E. (2020). Modified ridge-type estimator for the gamma regression model. *Communications in Statistics - Simulation and Computation*. DOI: 10.1080/03610918.2020.1752720.

**Other Published Articles**

12. **Lukman A. F.,** Kibria, B. M. G., Nziku, C. K., Amin, M., Adewuyi, E. T and Farghali, R. (2023). K-L Estimator: Dealing with Multicollinearity in the Logistic Regression Model. *Mathematics*, 11, 340. <https://doi.org/10.3390/math11020340>

13. **Lukman A. F.**, Arashi, M. and Prokaj, V. (2023). Robust biased estimators for Poisson regressionmodel: Simulation and applications. *Concurrency Computat Pract Exper*. 2022; e7594. <https://doi.org/10.1002/cpe.7594>

14. Yaya, O. S., **Lukman, A.F.,** Vo, X. V. (2022). Persistence and volatility spillovers of bitcoin price to gold and silver prices, Resources Policy,79, 103011. <https://doi.org/10.1016/j.resourpol.2022.103011>.

15. Algamal, Z. Y., **Lukman A. F**., Abonazel, Mohamed, R. and Awwad, F. A. (2022).

Performance of the Ridge and Liu Estimators in the zero-inflated Bell Regression Model. Journal of Mathematics. <https://doi.org/10.1155/2022/9503460>

16. Owolabi, A. T., Ayinde, K., Idowu, J. I., Oladapo, O. J. and **Lukman, A.F**. (2022). New Two-Parameter Estimator in the Linear Regression Model with Correlated Regressors. J. Stat. Appl. Pro. 11(2): 499-512.

17. Abonazel, M. R., Dawoud, I., Awwad, F. A. and **Lukman, A. F.** (2022). Dawoud–Kibria Estimator for Beta Regression Model: Simulation and Application. Front. Appl. Math. Stat. 8:775068. 10.3389/fams.2022.775068

18. **Lukman, A. F.**, Amin, M. and Kibria, B. M. G. (2021). K-L estimator for the linear mixed

models: Computation and simulation*. Concurrency Computat Pract Exper*. 2021; e6780

19. Dawoud, I., **Lukman, A. F.** and Haadi, A. (2022). A new biased regression estimator: Theory, simulation and application. Scientific African, 15, e01100. <https://doi.org/10.1016/j.sciaf.2022.e01100>.

20**. Lukman, A. F.**, Ayinde, K. and Ajiboye, S. A. (2017). Monte-Carlo Study of Some

Classification-Based Ridge Parameter Estimators. *Journal of Modern Applied Statistical Methods*, 16(1), 428-451.

21. Ibikunle, R. A., **Lukman, A. F.,** Titiladunayo, I. F. and Haadi, A. (2022) Modeling energy content of municipal solid waste based on proximate analysis: *R-k* class estimator approach, Cogent Engineering, 9:1, 2046243. 10.1080/23311916.2022.2046243

22. **Lukman, A. F**., Ayinde, K., Oludoun, O. and Onate, C. (2020). Combining modified ridge type and principal component regression estimators. Scientific African, 9, e00536**.**

23. Jegede, S. L., **Lukman, A. F**. and Ayinde, K. (2022). Jackknife Kibria-Lukman M-Estimator:

Simulation and Application. J. Nig. Soc. Phys. Sci. 4: 250–263.

24. Inyinbor, A. A., Adekola, F. A., Bello, O. S., Bankole, D. T., Oreofe, T. A., **Lukman, A. F**., Olatunji, G. A. (2022). Surface functionalized plant residue in cu2+ scavenging: Chemometrics of operational parameters for process economy validation, South African Journal of Chemical Engineering, 40: 144-153. <https://doi.org/10.1016/j.sajce.2022.03.001>.

25. Aladeitan B., **Lukman, A. F.**, Davids E. *et al.* Unbiased K-L estimator for the linear regression model.F1000Research 2021, 10:832. <https://doi.org/10.12688/f1000research.54990.1>

26. Aladeitan BB, Adebimpe O, **Lukman, A. F**. *et al.* Modified Kibria-Lukman (MKL) estimator for the Poisson Regression Model: application and simulation**.** F1000Research 2021, 10:548.<https://doi.org/10.12688/f1000research.53987.1>

27. Abonazel, R. M., Awwad, F. A., Nwuju, K., **Lukman, A. F.,** Lekara-Bayo, I. B., Atanu, E. Y. (2021). Long-Run Determinants of Nigerian Inflation Rate: ARDL Bounds Testing Approach. WSEAS TRANSACTIONS on BUSINESS and ECONOMICS. 10.37394/23207.2021.18.126

28**. Lukman, A. F.** and Kibria, B. M. G. (2021). Almon-KL estimator for the distributed lag model, Arab Journal of Basic and Applied Sciences, 28:1, 406-412. 10.1080/25765299.2021.1989160

29. **Lukman, A. F**., Zakariya, A., Kibria, G. B. M. and Ayinde, K. (2021).The KL estimator for the inverse gaussian regression model. Concurrency Computat Pract Exper. e6222. <https://doi.org/10.1002/cpe.6222>.

30. Okunlola, O. A., Oyeyemi, O. T. and **Lukman, A. F**. (2021). Modeling the relationship between malaria prevalence and insecticide-treated bed net coverage in Nigeria using a Bayesian spatial generalized linear mixed model with a Leroux prior. Epidemiology and Health, 43: 1-9. https://doi.org/10.4178/epih.e2021041

31. **Lukman, A. F**., Issam, D., Kibria, G. B. M., Zakariya, A. and Aladeitan, B. (2021). A New Ridge-Type Estimator for the Gamma Regression Model. Scientifica, 2021:1-8.

32. Ibikunle, R. A., **Lukman, A. F.**, Titiladunayo, I. F., Akeju, E. A. and Dahunsi, S. O. (2020). Modeling and robust prediction of high heating values of municipal solid waste based on ultimate analysis, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. DOI: 10.1080/15567036.2020.1841343

33. **Lukman, A. F.,** Rauf, I. R., Abiodun, O., Oludoun, O., Ayinde, K. and Ogundokun, R. COVID-19 Prevalence Estimation: Four most affected African Countries. Infectious Disease Modelling, 5, 827-838.

34. Ayinde, K., **Lukman, A. F.,** Alabi, O. O. and Bello, H. A. (2020**).** A new approach of principal component regression estimator with applications to collinear data. International Journal of Engineering Research and Technology, 13(7), 1616-1622.

35. Ogundokun, R., **Lukman, A. F**., Kibria, G. B. M., Awotunde, J. and Aladeitan, B. (2020). Predictive modelling of COVID-19 confirmed cases in Nigeria. Infectious Disease Modelling. 5, 543-548.

**36. Lukman, A. F**., Kibria, G. B. M., Ayinde, K. and Jegede, S. L. (2020). Modified One-Parameter Liu Estimator for the Linear Regression Model. Modelling and Simulation in Engineering, 9574304**.** https://doi.org/10.1155/2020/9574304

37. Ibikunle, R. A., Titiladunayo, I. F., **Lukman, A. F.**, Dahunsi, S. O. and Akeju, E. A. (2020). Municipal solid waste sampling, quantification and seasonal characterization for power evaluation: Energy potential and statistical modelling. *Fuel*, 277, 118122.

38. Ayinde, K., **Lukman, A. F**, Rauf I. R., Alabi, O. O.,Okon, C. E. and Ayinde, O. E. (2020). Modeling Nigerian Covid-19 Cases: A Comparative Analysis of Models and Estimators. *Chaos, Solitons and Fractals*, 138, 109911.

**39. Lukman, A. F**., Ayinde, K., Kibria, G. B. M. and Jegede, S. L. (2020).Two-Parameter Modified Ridge-Type M-Estimator for Linear Regression Model. *The scientific World Journal*. https://doi.org/10.1155/2020/3192852

40. Kibria, G. B. M. and **Lukman, A. F.** (2020). A New Ridge-Type Estimator for the Linear Regression Model: Simulations and Applications. *Scientifica*. https://doi.org/10.1155/2020/9758378

**41. Lukman, A. F.**, Adewuyi, E., and Onate, A. C., Ayinde, K. (2020). A Modified Ridge-Type Logistic Estimator. *Iran J Sci Technol Trans Sci*., 44(3), 437-443. https://doi.org/10.1007/s40995-020-00845-z(0123456789().,-volV)(0123456789().,-

42**. Lukman, A. F.**, Ayinde, K., Aladeitan, B. B. and Rasak, B. (2020). An Unbiased Estimator with Prior Information. Arab Journal of Basic and Applied Sciences, 27:1, 45-55.

43. Oluyemi, A. O., Emilomo, O. M. and **Lukman A. F**., Samuel, A. A. (2020). Investigating Causal Relationship between Financial Development Indicators and Economic Growth: Toda and Yamamoto Approach. *Iran. Econ. Rev*., 24(1): 225-246.

44**. Lukman, A. F.**, Ayinde, K., Sek S. K. and Adewuyi, E. **(2019).** A modified new two-parameter estimator in a linear regression model. *Modelling and Simulation in Engineering***.** <https://doi.org/10.1155/2019/6342702>.

45. Adagunodo, T. A., Hammed, O. S., Oyebanjo, O. A., Obafemi, Y. D., Omeje, M. Isibor, P.O., **Lukman A. F.**, Oladejo, O. P., Onumejor C. A. and Esse, U. C. (2019). Distribution of radionuclides and assessment of risk exposure to the miners on a kaolin field. *IOP Conf. Series: Journal of Physics: Conf. Series* **1299 012082** doi:10.1088/1742-6596/1299/1/012082

46. **Lukman A. F.,** Matthew O., Okoro, J. O. and Onate, A. C. (2019). **The Impacts of Population Change and Economic Growth on Carbon Emissions in Nigeria.** *Iranian Economic Review*, 23(3): 715-731.

47. **Lukman, A. F.,** Segun L. J., Abdulrasheed B. B., Binuomote S. O. and Haadi, A. (2019). Modified Ridge-Type Estimator with Prior Information. *International Journal of Engineering Research and Technology*, 12(10): 1668-1676.

48. **Lukman, A. F.,** Adewuyi, E., Oladejo N and Adebimpe, O. (2019). Modified Almost Unbiased Two-Parameter Estimator in linear regression model. *IOP Conf. Series: Materials Science and Engineering*, 640 012119. doi:10.1088/1757-899X/640/1/012119

49. **Lukman, A. F.,** Ayinde K., Alabi, O., Bamidele, R., Aladeitan, B. B. and Adagunodo, T. A. (2019). Developing a New Estimator in Linear Regression Model. *J. Phys.: Conf. Ser.* 1299 012128. doi:10.1088/1742-6596/1299/1/012128

50. Onate, C. A., Obaseki, O. S, **Lukman, A. F.**, and Abolanriwa, A. (2019). Analytical treatment of spin-1/2 particle subject to a combination of potentials. *J. Phys.: Conf. Ser.* 1299 012114. doi:10.1088/1742-6596/1299/1/012114

51. Oladejo, N. K., Abolarinwa, A., Salawu, S.O., **Lukman, A.F.** and Bukari, H. I. (2019). Optimization principle and its’ application in optimizing landmark university bakery production using linear programming. International Journal of Civil Engineering and Technology. 10(2): 183-190.

52. Onate, C. A., Adebimpe, O., **Lukman, A. F**., Okoro, J. O. and Oluwayemi, M. O. **(2019).** Analytical Solutions of the Dirac Equation with Effective Tensor Potential. Journal of the Korean Physical Society. 74(3):205-214.

53. Ogundokun, R. O., Adebiyi, M. O., Abikoye, O. C. *et al.* (2019).Evaluation of the scholastic performance of students in 12 programs from a private university in the south-west geopolitical zone in Nigeria. F1000Research , 8:154 (<https://doi.org/10.12688/f1000research.16762.2>)

54. Adebimpe, O., Onate, C. A., Salawu, S. O., Abolanriwa, A., **Lukman, A. F.** (2019). Eigensolutions, Scattering Phase Shift and Thermodynamic Properties of Hulthẻn-Yukawa Potential, *Results in* Physics. doi:https://doi.org/10.1016/j.rinp.2019.102409

55. Oladejo, N. K., Adebimpe, O., Abolarinwa, A., **Lukman, A. F**., Bukari, H. I. **(2019)**. Optimal stochastic control principle and its’ application in factory consumption model. International Journal of Mechanical Engineering and Technology. 10(2):1341-1349.

56.Binuomote, S.O. **Lukman, A. F.,** Olumide, S.O., Adeleke O.A (2018). Modelling Annual Yield of Coffee in Nigeria Using ARIMA Time Series Model (2018 – 2050). Inter. J. Econ. Bus. Manage. 6(3):43-56

57. **Lukman, A. F.** *Classification-based Ridge,*Lambert Academic Publishing, Mauritius, 2018.

58. **Lukman, A. F.** and Arowolo, O. T. (**2018**). Newly Proposed Biased Ridge Estimator: An application to the Nigerian Economy. *Pakistan Journal of Statistics*, 34(2), 91-98.

59. **Lukman, A. F.** Ayinde, K., Okunola A. O., Akanbi O. B. and Onate A. C. (**2018**). Classification-Based Ridge Estimation Techniques of Alkhamisi Methods. *Journal of Probability and Statistical Science*, 16(2), 165-181.

60. **Lukman A. F.,** Adebimpe, O., Onate, A. C., Ogundokun, R. O., Gbadamosi, B. and Oluwayemi, M. (**2018**). Data on expenditure, revenue, and economic growth in Nigeria. *Data in Brief*, 20, 1704-1709.

**61. Lukman A. F.,** Haadi, A., Ayinde K., Onate, C. A., Gbadamosi B. and Oladejo, N. (2018). Improved Generalized Ridge Estimators and their Comparisons.*WSEAS Transactions on Mathematics*, 17, 369-376.

62. Adejumo R. O., Adagunodo T. A., Bility H., **Lukman A. F**. and Isibor P. O. (2018). Physicochemical Constituents of groundwater and its quality in crystalline bedrock, Nigeria. *International Journal of Civil Engineering and Technology*, 9(8), 887-903***.***

63. Onate, A. C., Adebimpe, O. **Lukman A. F.,** Adama I. J., Davids E. O. and Dopamu, K. O. (**2018**). Approximate solutions of the Dirac equation with Coulomb-Hulthén-like tensor interaction. *Results in Physics*, 11, 1094-1099.

64. Onate, A. C., Adebimpe, O. **Lukman A. F.,** Adama I. J., Okoro. J. O. and Davids E. O. (**2018**). Approximate eigensolutions of the attractive potential via parametric Nikiforov-Uvarov method. *Heliyon*, e00977.

65. Onate, A. C., Okoro. J. O., Adebimpe, O. and **Lukman A. F.** (**2018**). Eigen solutions of the Schrӧdinger equation and the thermodynamic stability of the black hole temperature. *Results in Physics*, 10, 406-410. [Scopus]

66. Onate, A. C., Adebimpe, O., Adebesin O. and **Lukman, A. F.** (**2018**). Information-theoretic measure of the hyperbolical exponential-type potential. *Turkish Journal of Physics*. 42, 402 – 414.

67. Ayinde K., **Lukman A. F.,** Samuel O. O. and Ajiboye S. A. (2018). Some New Adjusted Ridge Estimators of Linear Regression Model. *International Journal of Civil Engineering and Technology***,** 9(11), 2838-2852.

68. **Lukman A. F**., Ayinde, K., Akanbi O. B and Anihunlopo O. A. (2018). Variable Selection in the Modeling of Nigeria Economic Growth. *International Journal of Mechanical Engineering and Technology****.*** Accepted

69. **Lukman A. F.,** Oluwayemi, M., Okoro, J. O. and Onate, A. C. (**2018**). The impacts of population change and economic growth on carbon emissions in Nigeria. *Iranian Economic Review*. Accepted.

**70. Lukman, A. F.,** Ayinde, K., Ajiboye, S. A. and Daramola, T. (2017). Some Robust Liu Estimators. *Zimbabwe Journal of Science and Technology*, 12, 8-14.

71. Ajiboye, S. A., Adewuyi, E., Ayinde, K., and **Lukman, A. F.** (2016). A Comparative Study of Some Robust Ridge and Liu Estimators. Science World Journal, 11(4), 16-20.

72. **Lukman, A. F.** and Ayinde, K. (2016). Some Improved Classification-Based Ridge Parameter of Hoerl and Kennard Estimation Techniques. *Istatistik, Journal of the Turkish Statistical Association*, 9(3), 93-106.

73. **Lukman, A. F**., Samuel, B., Sodiq O. O. (2016). Relationship among Government Revenue, Expenditure and Gross Domestic Product in Nigeria: Generalized Two Stage Principal Component Approach. *International Journal of Theoretical and Applied Mathematics*, 2(1), 24-27.

74. Lukman, A. F., Oyedeji, J. and Abiola, R. (2016). Modified Pena’s Measures for Detecting Influential Observations in Biased Estimators. *Zimbabwe Journal of Science and Technology*, 11, 118-125.

**75. Lukman, A. F.**, Ayinde, K., Alaba, O. O andArowolo, O. T. (2015). Nigerian Economic Growth and Government Expenditure: A Disaggregated Analysis and Two Stage Ridge Regression Approach. *Science Focus*, 20 (2), 29-34.

76. Arowolo, O. T., **Lukman, A. F.** and Ayinde, K. (2015). A Comparative Study of Some Methods of Handling Multicollinearity in Autocorrelated Error. *African Journal of Science and Technology (AJST) Science and Engineering Series*, 13(2), 68 – 72.

77. Ayinde, O.E., Aina, I.V., Ayinde, K. and **Lukman, A. F**. (2015). Drivers of rice price variation in Nigeria: A two stage iterative ridge regression approach. *Journal of Agricultural science*, 61(1), 79-92.

78. **Lukman, A.F.**, Oranye, E., Okegbade, I. and Arowolo, O. T. (2016). Weighted Cochrane Two Stage Estimator for Handling Autocorrelation and Heteroscedasticity. *Journal of the Nigerian Association of Mathematical Physics*, 34(1), 209-212.

79**. Lukman, A. F.**, Oranye, H. E, Ayinde, K. and Folorunso, A. S. (2015). Impact of Some Economic Indicators on Economic Growth in Nigeria. *Journal of Demography and Social Statistics*, 2(1), 10-16.

80. Ayinde, K., **Lukman, A. F.** and Arowolo, O.T. (2015). Combined parameters estimation methods of linear regression model with multicollinearity and autocorrelation. *Journal of Asian Scientific Research*, 5(5), 243-250.

81. Ayinde, K., Kuranga, J. and **Lukman, A. F**. (2015). Modeling Nigerian government expenditure, revenue and economic growth: co-integration, error correction mechanism and combined estimators analysis approach. *Asian Economic and Financial Review*, 5(6), 858-867.

82. **Lukman. A. F**, Osowole, O.I. and Ayinde, K. (2015). Two Stage Robust Ridge Method in a Linear Regression Model. *Journal of Modern Applied Statistical Methods*, 14(2), 53-67.

83. Ayinde, K., **Lukman, A. F.** and Arowolo, O.T. (2015). Robust regression diagnostics of influential observations in linear regression model. *Open Journal of Statistics*, 5, 1-11.

**84. Lukman, A. F**., Folorunso, A. S. and Owolabi, T. O (2015). Investigating the Relationship between Expenditure and Economic Growth in Nigeria: A Two stage Robust Autoregressive Distributed Lag Approach to Cointegration. *Global Journal of Research analysis*, 4(1), 162-168.

**85. Lukman, A. F**., Arowolo, O.T and Ayinde, K. (2014). Some Robust Ridge   Regression for Handling Multicollinearity and Outlier. *International Journal of Sciences: Basic and Applied Research*, 16(2), 192-202.

86. Ayinde, K and **Lukman, A. F.** (2014). Combined Estimators as Alternative to Multicollinearity Estimation Methods. *International Journal of Current Research*, 6(1), 4505-4510.

**1.11 Conference/Workshop/Seminar Attended**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Conference Theme/Seminar** | **Conference/Workshop Topics** | **Location** | **Date** |
| 2. | Summer School on Deep Learning +Reinforcement Learning | Deep common sense intelligence  What is intelligence | VIRTUAL | August 3, 2020 |
| Intro to Deep Learning Theory  Graph Representation Learning |  | August 4, 2020 |
|  |  | Introduction to Reinforcement Learning  Advanced Topic in RL: Exploration and Generalization |  | August 5, 2020 |
| Safe and Data-Efficient Reinforcement Learning for Real Robots |  | August 7, 2020 |
| 3. | The Mathematics of Climate and the Environment | Climate Informatics (CI) workshop | Institut Henri Poincare, Paris, France | 2nd-4th October 2019 |
| Nonlinear and stochastic methods in climate and geophysical fluid dynamics | Institut Henri Poincare, Paris, France | 07th-11th October 2019 |
| Response Theory and Its Applications in Geophysical Fluid Dynamics | Institut Henri Poincare, Paris, France | 14th – 16th Oct. 2019 |
| Big data, data assimilation, and uncertainty quantification | Institut Henri Poincare, Paris, France | 12th -15th Nov. 2019 |
| [Coupled climate-ecology-economy modeling and model hierarchies](http://www.ihp.fr/en/CEB/T3-2019/workshop3) | Institut Henri Poincare, Paris, France | 2nd-6thDec. 2019 |
| 4 | 17th Pre-conference Workshop | Data Cleaning and Missing Data Analysis with SPSS | Nnamdi Azikwe University, Awka, Anambra State | 3rd – 4th September 2018 |
| 5 | 42nd National Statistical conference | Statistics for Economic Recovery, Growth and Sustainability | Nnamdi Azikwe University, Awka, Anambra State | 5th – 7th September 2018 |
| 6 | FUTA-LISA | Modelling under various assumption violations: Data Analysis and Simulation Perspectives | Federal University of Technology, Akure. | 12th – 15th November 2018 |
| 7 | 1st International Statistical Conference | Positioning National Statistical System For Data Revolution and Inclusive Development | Federal College of Technology, Akoka, Lagos | 6th – 8th September 2017 |

**1.12 Membership of Professional Body**

* Nigerian Statistical Association

**1.13. Extra- Curricular Activities**

* Listening to Messages, Reading, Watching Football

**1.14. Names and Addresses of Referees**

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**1.15. Signature and Date**

|  |  |
| --- | --- |
| **Name** | **Signature and Date** |
| Lukman Adewale Folaranmi | October 4th, 2022. |