

RÉSUMÉ

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SUMMARY OF QUALIFICATIONS AND UNIVERSITIES ATTENDED WITH DATES

- ❖ PhD (Statistics) University of KwaZulu-Natal, South Africa. 2018
- ❖ M. Tech (Statistics) Federal University of Technology, Akure, Nigeria. 2012
- ❖ B. Tech (Ind. Mathematics) Federal University of Technology, Akure, Nigeria. 2005

ORAL COMMUNICATIONS AT CONFERENCES

- IBS/SUSAN-SSACAB Conference, Cape Town, 2019, South Africa.
- 38th Annual Conference of the International Society for Clinical Biostatistics (ISCB), Vigo 2017, Spain.
- University of KwaZulu-Natal, Research Day Conference, Durban 2017, South Africa.
- South African Statistical Association (SASA) Conference, Cape Town, 2016, South Africa.

MANUSCRIPTS REVIEW

- **SAHARA-J:** Journal of Social Aspects of HIV/AIDS Research Alliance. (2018-present).
- Mathematics and Statistics- HRPUB. (September 2019-present).

INTERNATIONAL CONFERENCE ABSTRACTS REVIEW

- 20th International Conference on AIDS and STIs in Rwanda. (ICASA 2019).

PUBLISHED JOURNALS

- N.R. Mosha, **O.S. Aluko**, J. Todd, R. Machezano and T., Young. Analytical methods used in handling missing data in estimating prevalence of HIV/AIDS for demographic and cross-sectional studies: A systematic review, *BMC Medical Research Methodology*, 2020.
- **Aluko O.** and Mwambi, H. Missingness mechanism that incorporated joint modeling of longitudinal data with monotone dropout, *Universal Journal of Applied Mathematics*, Vol.6 (4) (2018), pp. 107-122. DOI: 10.13189/ujam.2018.060401.
- **Aluko, O.** and Mwambi, H. The use of fully conditional specification of multiple imputation and inverse probability weightings to model the pulmonary disease prevalence in survey data with non-response, *ARN Journal of Engineering and Applied Sciences*, Vol.13, No.4 (2018), pp. 1484-1491.

- **Aluko, O.** and Mwambi, H. A comparison of three different enhancements of the generalized estimating equations methods in handling incomplete longitudinal binary outcome, *Global Journal of Pure and Applied Mathematics*, Vol.13 No.10 (2017), pp. 7669-7688.
- Adekeye, K. S. and **Aluko, O. S.** Design of Cusum Scheme for Monitoring Road Accident Fatalities, *Open Journal of Statistics*, Vol. 2 No. 2, 2012, pp. 213-218.

ARTICLES SUBMITTED TO PEER-REVIEWD JOURNALS

- **Aluko, O.** Ayele, B. and Mwambi, H. Efficient methodologies for handling missing data for longitudinal ordinal outcome, *Journal of Biopharmaceutical Statistics*, 2019.
- Y. Lailulo, M. Kitenge, **O. Aluko**, S. Jaffer and P. Nyasulu. Factors associated with antiretroviral treatment failure amongst people living with HIV on antiretroviral therapy in resource poor settings: A systematic review, *BMC Medical Research Methodology*, 2019.

PAPERS IN DRAFT FORMAT

- Effect of HIV status on treatment outcomes of tuberculosis patients in a rural primary healthcare clinic in South Africa.
- Statistical methodologies for handling ordinal longitudinal responses with monotone dropout: Application to HIV-comorbidity disease.

WORK EXPERIENCE

- Postdoctoral Research Fellow, Centre for Social Science Research, University of Cape-Town, South Africa. (2020 – present)
- Part-Lecturer, Management College of Southern Africa (MANCOSA), (July 2018-2019).
- Postdoctoral Research Fellow, Division of Epidemiology and Biostatistics, Department of Global Health, Faculty of Medicine and Health Sciences, Stellenbosch University, South Africa. (July 2018 – September 2019).
- Postdoctoral research fellow, University of KwaZulu-Natal, South Africa. (May to June 2018).
- Tutor for Statistics 130, University of KwaZulu-Natal (August 2015 to October 2017), South Africa.
- Supplemental Instructor (SI) for Mathematics 131, University of KwaZulu-Natal (February 2016 to May 2016), South Africa.
- Teaching Assistant (TA) for Statistics, Federal University of Technology, Akure (January 2014 to March 2015), Nigeria.
- Adjunct Lecturer, Ondo State School of Midwifery, Akure (January 2010 to March 2015), Nigeria.
- Assistant Lecturer for Mathematics, Osun State College of Technology, Esa-Oke, Osun State (Lagos Campus). (February 2007 to January 2008), Nigeria.
- National Youth Service Corps: Methodist High School, Igumale, Ado Local Government, Benue State. (February 2006 to January 2007), Nigeria.
- Industrial Work Experience at Churchgate Nigeria Limited, Lagos. (2004), Nigeria.

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