Arimiyaw Zakaria

Lecturer · Department of Statistics
University of Cape Coast

ORCID 0000-0002-3780-8105 · Google Scholar scholar.google.com/citations?user=E6RbCUkAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/90a45ca4-ef73-4050-add5-3c639eab4692

RESEARCH

Interests: Multivariate statistical techniques · Regression diagnostics · Item response theory · Time series analysis · probability theory · Statistics · Outliers in Regression analysis

Areas: Statistics and Probability · Statistics, Probability and Uncertainty · Artificial Intelligence · Computer Networks and Communications

RESEARCH SUMMARY

6	23	2	1	0.27	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 6 publications listed below, 2014–2024. Field-weighted impact is the mean over the 4 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 4 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2018–present
Statistics, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Ph.D (Statistics) 2015–2018
Statistics, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 5

1. Michael Manford, Bismark Kwao Nkansah, Henrietta Nkansah, **Arimiyaw Zakaria** (2024). An alternative multivariate exponential power distribution. *Communication in Statistics- Theory and Methods*. https://doi.org/10.1080/03610926.2024.2321506
2. **Arimiaw Zakaria** (2024). Effects of Response Format and Number of Indicators on Results of Item Response Theory Models and Multivariate Techniques. *International Journal of Research*.
3. **Arimiyaw Zakaria**, Benony Kwaku Gordor, Bismark Kwao Nkansah (2022). On the Coefficient of Determination Ratio for Detecting Influential Outliers in Linear Regression Analysis. *American Journal of Theoretical and Applied Statistics*. https://doi.org/10.11648/j.ajtas.20221101.14
4. B. K. Nkansah, **Arimiyaw Zakaria**, Nathaniel Howard (2019). Effect of measurement scales on results of item response theory models and multivariate statistical techniques. *Journal of Informatics and Mathematical Sciences*. https://doi.org/10.26713/jims.v11i1.951
5. **Arimiyaw Zakaria** (2014). On the Detection of Influential Outliers in Linear Regression Analysis. *American Journal of Theoretical and Applied Statistics*. https://doi.org/10.11648/j.ajtas.20140304.14

Theses 1

1. **ARIMIYAW ZAKARIA** (2018). SAM JONAH LIBRARY. *Department of English, Faculty of Arts, College of Humanities and Legal Studies, University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/20817cf7-6760-4312-a649-84d033b6de25/content