Nkansah Bismark K.

Associate Professor · Department of Statistics
University of Cape Coast

ORCID 0009-0007-7437-4098 · Profile scholar.ucc.edu.gh/staff/838618c0-c254-4fcb-95c2-16b8e71d2b07

RESEARCH

Areas: Statistics and Probability · Global and Planetary Change · Statistics, Probability and Uncertainty · Artificial Intelligence · Computer Networks and Communications · Control and Systems Engineering

RESEARCH SUMMARY

8	27	3	1	0.47	13%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 8 publications listed below, 2012–2024. Field-weighted impact is the mean over the 8 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 8 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 8

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. Henrietta Nkansah, **Bismark Kwao Nkansah** (2024). On Iterative Methods in Optimization. *International Journal of Latest Technology in Engineering Management & Applied Science*. https://doi.org/10.51583/ijltemas.2024.1311014
3. Jones Asante Manu, Nathaniel Howard, **Bismark Kwao Nkansah** (2024). Quartic Transmuted Exponential Distribution: Characteristics and Parameter Estimation. *International Journal of Statistical Distributions and Applications*. https://doi.org/10.11648/j.ijsd.20241002.13
4. 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
5. B. Sefa-Ntiri, B. Kwakye-Awuah, R. Edziah, B. Anderson, F. A. Armah, P. Mensah-Amoah, S. S. Sackey, F. Sam, A. G. Akyea, S. Yunus, E. Tatchie, **B. K. Nkansah**, F. Kumi (2020). Dissolved organic matter in hand-dug well water as groundwater quality indicator: assessment using laser-induced fluorescence spectroscopy and multivariate statistical techniques. *SN Applied Sciences*. https://doi.org/10.1007/s42452-020-2446-4
6. **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
7. Francis Torgbor, David A. Stern, **B. K. Nkansah**, R. D. Stern (2018). Rainfall Modelling with a Transect View in Ghana. *Ghana Journal of Science*.
8. **B. K. Nkansah**, Benony Kwaku Gordor (2012). On the One-Outlier Displaying Component. *Journal of Informatics and Mathematical Sciences*. https://doi.org/10.26713/jims.v4i2.86