Mr. Jonathan Kwaku Afriyie

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RESEARCH

Interests	Time series analysis · regression analysis · model selection · Optimization/operations research
Areas	Artificial Intelligence · Epidemiology · Accounting · Economics and Econometrics · Electrical and Electronic Engineering · Management Science and Operations Research

RESEARCH SUMMARY

4	282	3	3	7.92	75%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 4 publications listed below, 2020–2023. 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. 3 of the 4 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2022–present
Statistics and Actuarial Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 4

1. Hasnain Iftikhar, Muhammad Daniyal, Moiz Qureshi, Kassim Tawiah, Richard Kwame Ansah, **Jonathan Kwaku Afriyie** (2023). A hybrid forecasting technique for infection and death from the mpox virus. *Digital Health*. https://doi.org/10.1177/20552076231204748
2. **Jonathan Kwaku Afriyie**, Kassim Tawiah, Wilhemina Adoma Pels, Sandra Addai-Henne, Harriet Achiaa Dwamena, Emmanuel Odame Owiredu, Samuel Amening Ayeh, John Eshun (2023). A supervised machine learning algorithm for detecting and predicting fraud in credit card transactions. *Decision Analytics Journal*. https://doi.org/10.1016/j.dajour.2023.100163
3. Sampson Twumasi-Ankrah, Simon Kojo Appiah, Doris Arthur, Wilhemina Adoma Pels, **Jonathan Kwaku Afriyie**, Danielson Nartey (2021). Comparison of outlier detection techniques in non-stationary time series data. *Global Journal of Pure and Applied Sciences*. https://doi.org/10.4314/gjpas.v27i1.7
4. **Jonathan Kwaku Afriyie**, Sampson Twumasi-Ankrah, Kwasi Baah Gyamfi, Doris Arthur, Wilhemina Adoma Pels (2020). Evaluating the Performance of Unit Root Tests in Single Time Series Processes. *Mathematics and Statistics*. https://doi.org/10.13189/ms.2020.080605