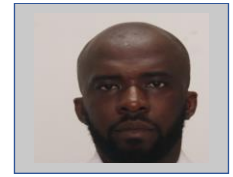


ISAAC ADJEI MENSAH (Ph.D.)

Department Of Statistics and Actuarial Science, Kwame Nkrumah University of Science and Technology, Kumasi-Ghana



PERSONAL DATA

Date of birth	1988.11.28
Place of birth	Kumasi, Ghana
Nationality	Ghanaian
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PROFILE AND RESEARCH INTEREST

Isaac Adjei Mensah is a Statistician, a former Post-doctoral Research Fellow of Jiangsu University in China (School of Mathematical Science) and currently a lecturer in the Department of Statistics and Actuarial Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana. His research focuses mainly on applying statistics to solve practical problems in a multidisciplinary environment and energy issues. Isaac's research interests include econometrics and panel data modelling, in analyzing environmental and energy-related issues. Isaac has collaborated with several colleagues in matters of research and supervision. He has also assessed several honors, master's and doctoral theses from Jiangsu University, and Kwame Nkrumah University of Science and Technology, Ghana and has also supervised undergraduate and postgraduate students.

PROFESSIONAL EXPERIENCE

- 03/2023-date** **Adjunct Ph.D. Supervisor**
Nobel International Business School.
Accra, Ghana.
- 09/2021-date** **Full-time Lecturer**
Department of Statistics and Actuarial Science
Kwame Nkrumah University of Science and Technology
Kumasi, Ghana
- 09/2020-09/2022** **Former Postdoctoral Research Fellow,**
Institute of Applied Systems Analysis (IASA), School of
Mathematics, Jiangsu University-PR China.
- 09/2018-09/2019** **Mathematics tutor,**
(Introductory Pure Mathematics)
Jiangsu University, Overseas Education College,
Foundation School.
- 11/2016-09/2017** **Full-time Lecturer,**
(Business mathematics, Quantitative methods, Business
statistics)
Department of Humanities-All Nations University College
Koforidua-Ghana.
- 01/2017-09/2017** **Part-time Lecturer,**
(Introductory pure mathematics and statistics)
Department of Mathematics-University College of
Agriculture and Environmental Studies
(UCAES, Bunso-Eastern Region, Ghana.)

EDUCATION

- 09/2017 – 06/2020** Doctor of Philosophy (Ph.D.), Control Science and Engineering (**Option:** Panel data econometric modelling with applications to Energy/Environmental statistics), Jiangsu University, P.R. China.
- 08/2013 – 11/2015** Master of Philosophy (M.Phil.), Mathematical Statistics, Kwame Nkrumah University of Science and Technology, Kumasi-Ghana.
- 08/2007 – 11/2011** Bachelor of Science (B.Sc.), Mathematical Science (Statistics option), University for Development Studies (UDS), Tamale-Ghana.
- 09/2003 – 05/2006** Secondary School Education, KNUST Senior High School, Kumasi, Ghana.

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

- International Biometric Society (IBS)
- Laboratory for Interdisciplinary Statistical Analysis (LISA)
- Editorial Member, Green and Local Carbon Economy Journal

SERVICE TO THE UNIVERSITY COMMUNITY

February 2023	Resource person: Capacity building in statistical data analysis using STATA. Organized by KNUST-Laboratory of Interdisciplinary Statistical Analysis (LISA) to help academic staff of the university who are not well versatile with STATA.
January 2023	Panel Member and Examiner: Examination of M. phil. thesis, Department of Statistics and Actuarial Science, Graduate School, KNUST.
January 2023	Panel Member: Appointment as a member of the interview committee for Ph.D. candidates.
January 2022	Resource Person: Data Management in STAT and SPSS; A 3-Day KNUST-LISA TEACH Project for postgraduate research workshop in collaboration with TRECK center.
March 2022	Resource Person: Data Management in STATA and SPSS; A 5-Day IPO-KNUSTLISA-WISTEMGh Workshop for Newly Recruited Female Staff of the University.
August 2022	Moderator for Mathematics Related Courses for Data Link Institute of Business and Technology, Accra
April 2022	Resource Person: Data Management in STATA and SPSS; A 2-Day KNUST-LISA Statistics Education Outreach to Colleges within the University.
October 2022	Assistant Examination Officer at the instance of the Department of Statistics and Actuarial Science.
November 2022	Examination Officer at the instance of the Department of Statistics and Actuarial Science.
September 2022	Panel Member , Department Statistics and Actuarial Science of BSc Statistics project work defense.
November 2021	Service Lecturer: Assigned to teach MSE 507, Environmental Statistics and Modelling in the first semester of the 2021/2022 academic year for both IDL (Institute of Distance Learning) and regular postgraduate students.

SERVICE TO THE INTERNATIONAL COMMUNITY

Reviewer

- ❖ Environmental Science and Pollution Research Journal (Springer)
- ❖ Economic Change and Restructuring Journal (Springer)
- ❖ OPEC Energy Review (Wiley Online Library)
- ❖ Environmental Challenges (Elsevier)
- ❖ Heliyon (Elsevier)
- ❖ Technological Forecasting and Social Change (Elsevier)
- ❖ Regional Sustainability (Elsevier)
- ❖ Sustainable Energy Technologies and Assessment (Elsevier)
- ❖ Environmental and Sustainability Indicators (Elsevier)
- ❖ Energy Strategy Reviews (Elsevier)
- ❖ Socio-Economic Planning Sciences (Elsevier)
- ❖ Open Innovation: Technology, Market, and Complexity (Elsevier)
- ❖ Environmental Health Insights (SAGE)
- ❖ Environmental Research (Elsevier)
- ❖ Scientific Report (Springer Nature)
- ❖ Environmental Impact Assessment Review (Elsevier)
- ❖ Applied Economics Letters (Taylor and Francis)
- ❖ Energy Journal (Elsevier)

COMPLETED PROJECT WORK AND THESIS SUPERVISION

- ❖ **B.Sc. Statistics:** Modelling and forecasting inflation in Ghana. (Samuaella Benyiwah Arkuh, Irene Ampofo Oduro, Akwasi Boateng Sarkodie, Arafat Ibrahim, KNUST-Ghana).
- ❖ **B.Sc Statistics:** Impact of social media usage on the well-being of students in KNUST (Agbo Edem Bright, Odi Asamoah Beryl, Agyei Frederick, Martey Joshua).
- ❖ **B.Sc Statistics:** Analysis on the choice of modern and traditional contraceptive methods among women: Evidence from Ghana. (Inyanabi Michael, Mensah Emmanuel, Bashiru Ismaila, Adjei Sandra).
- ❖ **B.Sc Statistics:** Assessing the determinants of heart disease in Framingham. (Birikorang Joshua Asante, Michael Vorsah, Oti Boateng Bright, Lawrence Boakye Yiadom).
- ❖ **B.Sc Statistics:** Investigating the impact of crude oil fluctuations, the Russia-Ukraine war, and the COVID-19 pandemic on the petrol prices in Ghana. (Nsiah Enock, Kwakyewaa Nana Ama, Nakoja K. Jeremiah, Owusu Afriyie Festus).
- ❖ **BSc. Statistics:** Examining the effects of financial literacy on SMEs in Tamale Metropolis. (Salifu Ibrahim and Issahaku Zakaria Sulemana, KNUST-Ghana).

- ❖ **BSc. Statistics:** Analysis on the factors predicting students' choice of hostels: a case study of KNUST (Kaba Kunibara Josaph, Sulemana Weisu, and Laabik Moses Mankutam, KNUST-GHANA).
- ❖ **BSc. Statistics:** Statistical Analysis of road accident cases: insights from Ashanti Region, Ghana. (Bortey Mensah Caleb, Gyedu Tracy, Kesse Adu Tutu Irene, Duah Godbless Jonathan Sarbah, KNUST-Ghana).
- ❖ **BSc. Statistics:** Neonatal Mortality and its risk factors in Kumasi-Ghana. (Oppong Bernard, Awinsone Kenneth Atongyuure, Ayuumbo John, Joel Blay Kwagyan, KNUST-Ghana).
- ❖ **BSc. Statistics:** The impact of time management practices on academic performance of students' in Kwame Nkrumah University of Science and Technology. (Arthur Bismark, Amankwah Adjei Joseph, Andrah Aaron Teye, Botchway Faithful Abena, Amfo Hanswelf Kwakye, KNUST-Ghana).
- ❖ **B.Sc Statistics:** A comparative study between machine learning models on stock price prediction and stock return estimation. (Addo Samuel Anoff, Appiah Augustine, Opoku-Mensah Nimoh, Williams Abekah Kate).
- ❖ **BSc. Statistics:** A statistical analysis of psychological dysfunction on students' academic performance in KNUST, Kumasi. (Ofosu Charlse Kobina, Ackerson Abigail, Akua Boatemaa Bonsu, Abban Justice, KNUST-Ghana).
- ❖ **M.Sc. Actuarial Science:** Forecasting Insurance Company's stock price using Autoregressive Integrated Moving Average (ARIMA) model. (John Mark Cobbina, KNUST-Ghana)
- ❖ **M.Sc. Actuarial Science:** Investigation on the impact of Agricultural Insurance on Ghanaian Farmers. (Henry Quaye Ashong, KNUST-Ghana).
- ❖ **M.Sc. Actuarial Science:** Insurance claims reserving in Ghana. (Emmanuel Yeboah Asiamah, KNUST -Ghana)
- ❖ **M.Sc. Applied Statistics:** Exploration of the knowledge-based economy factors affecting economic growth in developing countries: A panel based analysis in Southern African Development Community (SADC). (Koketso Phale, China-Jiangsu University)
- ❖ **M.Sc. Applied Economics:** Foreign Direct Investment and Total Factor Productivity Growth Nexus: A Realistic Testimony from VECM Approach. (Justicia Nanah Allie, China-Jiangsu University).
- ❖ **M.Sc. Public Administration:** Analysis of the nexus between teamwork, burnout and perceived organizational support: a dilemma among health workers. (Samuel Atingabili, China-Jiangsu University)
- ❖ **Ph.D. Management Science and Engineering:** The influence of innovation types on firm performance of the hospitality industry in Ghana. (Bertha Ada Danso, China-Jiangsu University).

INTERNAL EXAMINER FOR POSTGRADUATE THESIS

- ❖ **M.Phil. Mathematical Statistics:** impact of imputation techniques on the predictive power of statistical classification. (Kwakye Ernest, KNUST-GHANA).
- ❖ **ALGORITHMS**
- ❖ **M.Phil. Mathematical Statistics:** Noninformative priors on a beta posterior: a simulation-based study. (Sulley Asamoah Oppong, KNUST-GHANA)
- ❖ **M.Phil. Mathematical Statistics:** Comparison of zero-inflated count data models: a Monte-Carlo simulation study. (Abdulai Yakubu Maruf, KNUST-GHANA)

PERSONAL DEVELOPMENT (WORKSHOPS ATTENDED)

February 2023	Resource person: Capacity building in statistical data analysis using STATA. Organized by KNUST-Laboratory of Interdisciplinary Statistical Analysis (LISA) to help academic staff of the university who are not well versatile with STATA.
January 2022	Resource Person: Data Management in STATA and SPSS; A 3-Day KNUST-LISA TECH Project for postgraduate research workshop in collaboration with TRECK centre.
March 2022	Resource Person: Data Management in STATA and SPSS; A 5-Day IPO-KNUSTLISA-WISTEMGH Workshop for Newly Recruited Female Staff of the University.
April 2022	Resource Person: Data Management in STATA and SPSS; A 2-Day KNUST-LISA Statistics Education Outreach to Colleges within the University.
December 2022	Resource Person: A training programme on data statistics: climate and land use data analysis and applications. Sponsored by: German Federal Ministry of Education and Research (BMBF)

CONFERENCES ATTENDED

September 2023	2023 International Biometric Society Sub-Saharan Africa Network (IBS-SUSAN) Conference. Hosted by the Kwame Nkrumah University of Science and Technology, Kumasi-Ghana.
May 2022	Laboratory for Interdisciplinary Statistical Analysis (LISA) 2020 Sustainability Symposium. Sponsored by University of Colorado, USAID and KNUST.
October 2019	Applied Energy Symposium: Low Carbon Cities and Urban Energy systems. Xiamen University, Xiamen-China.
July 2019	Sixth National Conference On Youth Energy Environment Policy and Management. Jiangsu University, Jiangsu-China.
June 2018	International Conference On Energy Finance (ICEF, 2018); Frontiers and Future Development. Chinese Academy of Science, Beijing –China
June 2018	Mostly Om, 2018, Tsinghua University, Beijing –China
October 2017	Renewable Energy Integration with Mini/Microgrid. Tianjin University, Tianjin-China

AWARDS

2017-2020	Jiangsu University Presidential Scholarship
2019-2020	Outstanding Jiangsu Provincial Government Scholarship

TEACHING INTEREST

- ❖ Business Statistics
- ❖ Quantitative Methods
- ❖ Business Mathematics
- ❖ Statistical Methods
- ❖ Statistical Inference
- ❖ Generalized Linear Models
- ❖ Probability Theory
- ❖ Sampling survey theory and Methods
- ❖ Demographic statistics
- ❖ Econometrics
- ❖ Environmental Statistics

RELATED SKILLS

- ❖ Proficient in Statistical Software (STATA, EViews, SPSS, SMARTPLS and R)
- ❖ Proficient in Microsoft Office (Word, Excel, Access and PowerPoint)
- ❖ Proficient in Latex

RESEARCH PUBLICATIONS

All research publications can be assessed using the links below:

- ❖ <https://scholar.google.com/citations?hl=en&user=otFZ0C8AAAAJ>
- ❖ <https://www.researchgate.net/profile/Isaac-Adjei-Mensah-2>

LANGUAGE SKILLS

- ❖ English Fluent
- ❖ French Basic skills

HOBBIES

- ❖ Reading
- ❖ Jogging
- ❖ Dancing

REFEREES

- ❖ Professor Huaping Sun
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Email: shp797@163.com
- ❖ Professor. A.Y. Omari Sasu
Department of Statistics and Actuarial Science
Kwame Nkrumah University of Science and Technology
Email: ayomari-sasu@knust.edu.gh
- ❖ Dr. Alexander Boateng
Department of Statistics and Actuarial Science
Kwame Nkrumah University of Science and Technology
Email: alexander.boateng@knust.edu.gh