**Vådanvegen 25**

**Trondheim – Norway.**

**+4748346681**

**kadjeipeprah94@gmail.com**

**GitHub Repository:** [**https://github.com/Peprah94**](https://github.com/Peprah94)

**ResearchGate profile:** [**https://www.researchgate.net/profile/Kwaku-Adjei-2**](https://www.researchgate.net/profile/Kwaku-Adjei-2)

**ADJEI KWAKU PEPRAH**

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| career Objective | |  | An individual who seeks an opportunity where he can utilize all skills, knowledge and abilities gained; offering professional and advanced growth together with team players whiles being innovative, resourceful and flexible. |
| personal details | |  | Date of Birth: 8th October 1994  Languages Spoken: English, Norwegian (Intermediate), Twi  Languages Written: English, Norwegian (Intermediate), Twi  Marital Status: Married  Hobbies: Reading, Listening to Music, Researching, Engaging in voluntary activities, Fishing |
| education | |  | Phd in ecological statistics, norwegian university of science and technogy, 2019 TO DATEMsc. mathematical science, norwegian university of science and technology, 2017 to 2019BARCHELOR OF ARTS, MATHEMATICS & statistics, University of ghana, 2012 to 2016WASSCE CERTIFICATE, pope john senior high school, 2008 – 2012  * **BECE CERTIFICATE,** SAINT ROSES PREPARATORY AND JHS, 2008. |
| experience | |  | **RESEARCH STAY**  December 2022 to February 2023  Center of Ecology and Hydrology  Wallingford, United Kingdom  **Duties**   * Collaborated with biologists and ecologists to develop multi-species occupancy models using the UK butterfly monitoring scheme dataset. * Consulted on statistical modeling challenges the biologist and ecologists needed help with.   **TEACHING ASSISTANT**  Aug 2016 to June 2017  Statistics Department,  University of Ghana- Accra  **Duties**   * Taught the students during tutorials. * Taught undergrad courses such as preparing data for analysis, survey management and organization, Multivariate Methods and Statistical Methods II when the lecturer was absent or indisposed. * Assisted the lecturer in his research projects.   **ASSISTANT DATA ANALYST**  August 2016 – July 2017  Legon Analytics  **Duties**   * Performed administrative duties for the company * Assisted in data collection for survey projects * Analysed data and built models for the companies we worked with such as PWC, the unit cost of infrastructure for the Ministry of Finance, Ghana. * Taught in the SPSS training programs organized by the company with clients such as the Bank of Ghana.   **MARKETING PERSONNEL**  August 2012 to Aug 2013  Terror publications  Dome- Pillar 2  **Duties**   * Was responsible for the distribution of the books to the various customers. * Marketed the books by travelling to various Senior High Schools and bookshops. * Helped in the printing of books, when necessary. * Was part of the team that wrote the solution manual for the "Terror Financial Accounting for Senior High and Tertiary Institutions." |
| COURSES | |  | * Neural Networks and Deep Learning by deeplearning.ai on Coursera. Certificate earned at Monday, November 12, 2018 3:14 PM GMT * Getting started with power BI on Cousera. Certificate earned at Wednesday, July 19, 2023 5:18 AM GMT |
| PUBLICATIONS | |  | * Simmonds, E. G., **Adjei, K. P.**, Andersen, C. W., Hetle Aspheim, J. C., Battistin, C., Bulso, N., Christensen, H. M., Cretois, B., Cubero, R., Davidovich, I. A., Dickel, L., Dunn, B., Dunn-Sigouin, E., Dyrstad, K., Einum, S., Giglio, D., Gjerløw, H., Godefroidt, A., González-Gil, R., . . . O’Hara, R. B. (2022). Insights into the quantification and reporting of model-related uncertainty across different disciplines. IScience, 25(12), 105512. <https://doi.org/10.1016/j.isci.2022.105512> * **Adjei, K. P.**, O'Hara, R. B., Koch, W., & Finstad, A. (2023). Modelling heterogeneity in the classification process in multi-species distribution models can improve predictive performance. arXiv preprint arXiv:2305.01989. * **Adjei, K. P.** (2019). Diagnosing model deviations in the N-Mixture models: A case study of Binomial N-Mixture models (Master's thesis, NTNU). |
| forthcoming publications | |  | * **Adjei, Kwaku Peprah.**, Sicacha-Parada, Jorge., O’Hara, Robert Bob., Steinsland, Ingelin (2023). A structural model for the process of collecting biodiversity data * **Adjei, Kwaku Peprah.**, Sicacha-Parada, Jorge., O’Hara, Robert Bob., Monsterart, Philip, Steinsland, Ingelin (2023). Modelling species distribution using data from different sources and quality while accounting for sampling bias, imperfect detection and misclassification. * **Adjei, Kwaku Peprah.**, Nick, Isaac., Mancini, Francesca., O’Hara, Robert Bob., Carvell, Claire (2023). Integrating data from different taxonomic resolutions to better estimate community alpha diversity. * **Adjei, Kwaku Peprah.**, O’Hara, Robert Bob., Nick, Isaac., Bowler, Diana., Cooke, Robert (2023). Sequential Monte Carlo methods for data assimilation problems in ecology. * **Adjei, Kwaku Peprah.**, O’Hara, Robert Bob (2023) Using NIMBLE to implement Markov Chain Monte Carlo with Integrated Nested Laplace approximation. * O’Hara, Robert Bob., **Adjei, Kwaku Peprah**., Mostert, Philip., Sicacha-Parada, Jorge., Skarstein, Emma (2023) The point process framework for integrated modelling of biodiversity data. |
| R-PACKAGES | |  | * **nimMCMCSMCupdates:** an R-package for Sequential Monte Carlo methods for data assimilation problems in ecology. The packaged can be installed from <https://github.com/Peprah94/nimMCMCSMCupdates> * **myphdthesis:** an R-package for using NIMBLE to implement Markov Chain Monte Carlo with Integrated Nested Laplace approximation. The package can be installed from <https://github.com/Peprah94/myphdthesis> |
| AWARDS | |  | * Valedictorian for College of Humanities class of 2016, University of Ghana. * Leadright Academically Excellent student of the Year, University of Ghana. (2016) * Nominee of the Leadright Academically Excellent student of the Year, University of Ghana. (2015) * Motivational Youth Member, Prevailers Assemblies of God. (2016) |
| positions held | |  | * National Youth leader, Church of Pentecost (2019-date) * General Secretary, NTNU-Ghana Association (2018-date) * Sunday School Superintendent, Assemblies of God Campus Ministry, University of Ghana (2014 – 2016) * Financial Secretary, AGCM Sunday School Department, University of Ghana (2013-2014) * Public Relations Officer, Future Leaders Investment Club, Pope John Senior High (2011-2012) |
| skills and abilities | |  | * Great Leadership Skills * Good Communication Skills * Ability to work under pressure * Ability to follow laid down instructions * Ability to multitask * Statistical software such as R programming, Python, SPSS and Excel * Excellent Team Player |
| References |  | BOB O’HARA Professor in Statistics,  Norwegian University of Science and Technology  Trondheim, Norway  +47 7359 1795  [Bob.ohara@ntnu.no](mailto:Bob.ohara@ntnu.no) NICK J. B. ISAAC Quantitative ecologist  UK Center of Ecology and Hydrology  Wallingford, United Kingdom  +44 7794 670127  [njbi@ceh.ac.uk](mailto:njbi@ceh.ac.uk) ISAAC BAIDOO Senior Lecturer and Data Analyst (Legon Analytics)  Department of Statistics, University of Ghana  +233 (0) 244330362  ikbaidoo@gmail.com | |
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