William HODONOU

IMPACT EVALUATION RESEARCH ASSISTANT

C/SB GODOMEY-GARE

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EDUCATION

university of reims champagne-ardenne   *Reims, France*
MASTER - STATISTICS FOR EVALUATION AND PROSPECTS   *2017*
- Completed machine learning, Multivariate Data Analysis, Big data analysis, quantitative and qualitative evaluation of public policy.

university of reims champagne-ardenne   *Reims, France*
MASTER - ECONOMY, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT   *2016*
- Development of expertise in the analysis, diagnosis and prescribing of institutional arrangements for environmental protection and sustainable development.

Kwame NKrumah University of Science and Technology.   *Kumasi, Ghana*
BACHELOR OF SCIENCE IN ACTUARIAL AND STATISTICS   *2013*
- Actuarial Mathematics, Markov Chain Modeling, Survival Models, Demographic Statistics, and Theory of Sample Surveys.

Experience

Centre d'Expertise en Evaluation du Développement   *COTONOU, BENIN*
PROJECT OFFICER, SPECIALIST DATA ANALYST   *2018– Current*
- Explore and transform data to make it understandable and useful for analysis.
- Perform literature review on specific project topics.
- Participate / Manage statistical operations with data collection: (i) Reference survey of the «VI-KANXIXO II» project; Purpose: To measure the impact of reading performance on violence against girls in school
- Participation in the development of an action plan for the implementation of the Low Carbon and Climate Resilient Development Strategy; Preparatory work: Review the current political, institutional, legislative and regulatory framework. This review considers relevant studies and analysis carried out in recent years.

Mutuelle Générale de la Police   *CRETEIL, FRANCE*
DATA ANALYST   *2017(5 months)*
- Updating daily and weekly business monitoring dashboard
- Analysis and Reporting of quality and performance indicators after automating their computation to save about 20% time.
- Build a statistical model (using time series) to predict workflow in the division of 'Direction des operations' to optimize time and team.
- Technical tools: R, Excel, VBA, Limesurvey.

Africa Development Research And Consulting   *COTONOU, BENIN*
STATISTICAL ANALYST   *2014(6 months)*
- Final evaluation of the first phase of Beninese Scouting project "jeu sans taboo", supported by the Netherlands Embassy in Benin.
- Assistant in the implementation of #indicators, development of questionnaires, literature review and supervised up to 4 employees for data collection.
- Technical tools: SPSS, EXCEL.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES, TOOLS AND STATISTICAL SOFTWARE
- Python, R, Jupyter, Git, RMarkdown, sql databases, SPSS, SAS (certified base programmer for sas 9), STATA.

EVALUATION
- Introduction to methods of impact evaluation of public policies (PSM, RDD, DD, IV), Economic evaluation.

STATISTICS
- Multivariate Statistical Analysis (PCA, MCA, Multiple factor analysis), Linear models, hypothesis testing, Interrupted time series analysis, Data Processing (Cleaning, transformation) and Visualisation (PowerBI).

MACHINE/DEEP LEARNING
- Classification, Decision Tree, Random Forest, xgboost, Neural Networks.

Research in progress

1- Impact of youth engagement in agribusiness on their wellbeing in Benin.
2- Impact of adoption of improved maize variety on income and food security.

PERSONAL

Citizenship : BENIN
Languages : French (native), English (Full professional proficiency)
Interests : Reading specialized economics books, distance running, Basketball, Soccer.