Emilio Norberto ABATA
Statistician | Data Scientist

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⋮≡ SKILLS

PROGRAMMING :	Python, SAS (Certified Base Programmer for SAS 9), R, Pack office (Word, Excel, PowerPoint), Git, SQL, LaTeX.
STATISTICS :	Data management, Data visualization, Factorial methods (PCA, FCA, MCA), Linear and non-linear regression, Quantile, regression, ANOVA, ANCOVA, Mixed-effects models, Time series models, Survival analysis (Kaplan-Meier method, Cox model), Causal inference (Potential outcomes, IPTW, Propensity score, G-computation, TMLE, DAG).
MACHINE LEARNING :	Supervised and unsupervised learning (KNN, K-Means, Decision Tree, SVM, Random Forest, CAH, DBSCAN), Deep learning (MLP, RNN, CNN).

💼 PROFESSIONAL EXPERIENCE & PROJECTS

Aug 2024 – Apr 2024 — Trainee statistician in SAFT's battery management and modeling team. Nancy, France
- › Visualization and exploratory analysis of time series.
- › Lifetime prediction of industrial batteries with uncertainty quantification.

`Gaussian processes` `Domain adaptation` `Pandas` `Numpy` `Matplotlib` `Scikit-learn` `GPflow`

Jul 2023 – Mar 2023 — Final year project on monthly and decadal rainfall prediction (CIPMA). Cotonou, Bénin
- › Processing and analysis of rainfall time series.
- › Development of predictive rainfall models using statistical and machine learning methods.

`Seasonality` `Stationarity` `SARIMA` `LSTM` `Pandas` `Numpy` `Tensorflow` `Keras` `Statsmodels`

Aug 2022 – Jul 2022 — Customer insight project at the artificial intelligence summer school (Vallet Foundation). Cotonou, Bénin
- › Clustering of ENGIE customers with the same consumption habits.
- › Prediction of a new customer's consumption band based on its characteristics.

`Decision trees` `Logistic regression` `SVM` `Random forest` `Pandas` `Numpy` `Scikit-learn` `XGBoost`

Dec 2020 – Oct 2020 — Junior consultant for the DIAgnostics for Multidrug resistant tuberculosis in Africa study at the Laboratoire Supranational de Référence de la tuberculose.. Cotonou, Bénin
- › Data cleansing and data processing.
- › Exploratory analysis according to the statistical analysis plan.

`Missing data` `Inconsistent data` `dplyr` `tidyverse` `ggplot2` `gtsummary` `Rmarkdown`

🎓 EDUCATION

SEP 2023 – AUG 2024	**Master's degree in Stochastic tools and Computational Methods for Decision** *Université de Pau et des Pays de l'Adour. Honours : Very good*
OCT 2021 – AUG 2023	**Master's degree in Statistics** *Université d'Abomey-Calavi, Bénin. Honours : Very Good*
OCT 2015 – AUG 2019	**Bachelor's degree in Statistics** *Université d'Abomey-Calavi, Bénin Honours : Good*

🅰🈯 LANGUAGES

FRENCH :
- Reading ● ● ● ● ○
- Writing ● ● ● ● ○
- Speaking ● ● ● ● ○

ENGLISH :
- Reading ● ● ● ○ ○
- Writing ● ● ● ○ ○
- Speaking ● ● ○ ○ ○

❝ REFERENCES

Marianne CLAUSEL	Christian PAROISSIN	Wilfried BEKOU
Professor, FRANCE	*Associate Professor*, FRANCE	*Statistician*, BÉNIN
✉ marianne.clausel@univ-lorraine.fr	✉ christian.paroissin@univ-pau.fr	✉ wbekou@yahoo.fr