

ADJAKOSSA Eric

EDUCATION

- Nov 13-Apr 17 **Ph.D. in Applied Statistics**, under the supervision of Gregory Nuel ([LPMA](#), [UPMC](#)), Paris.
Estimation and selection in the multivariate linear mixed effects model, and application to the malaria epidemiology
- 2010 - 2011 **Master in Applied Statistics**, Master [STAFAV](#), Cotonou, (Benin's leading master's degree in Applied Mathematics).
Degree obtained with honors.
- 2004 - 2005 **First year of Master's degree in Fundamental Mathematics**, Abomey-Calavi, Cotonou (Benin).

EXPERIENCES

- 2020 - 2021 **Lecturer (contractual)**, at [MIA-Paris](#), AgroParisTech University, Paris.
160 teaching hours
- 2019 - 2020 **Postdoctoral researcher**, at [LTCl](#), Telecom Paris.
Anomaly detection in functional data for predictive maintenance of aircraft fleet under the supervision of Stephan Cléménçon (Machine Learning methods), in collaboration with Airbus.
- 2018 - 2019 **Postdoctoral researcher**, at [LPSM](#), Sorbonne University, Paris.
Kalman filtering aggregation for predicting the electricity consumption in France, under the supervision of Olivier Wintenberger (extreme values theory), in collaboration with Yannig Goude (EDF R&D).
- 2017 - 2018 **Assistant professor (ATER for french acronym)**, at [SAMM](#), Paris 1 University, Paris.
192 teaching hours
- 2012 **Research internship**, at [MAP5](#), Paris 5 University, Paris.
under the supervision of Gregory Nuel.
- 2011 - 2012 **Data analysis internship**, at [UMR 216/IRD](#), Analysis of mother's CSP antibody level as a relevant biomarker for the child's malaria risk at Tori-Bossito (Benin).
under the supervision of Gilles Cottrell.
- 2006 - 2011 **Member of the correctional jury for mathematics exam (Baccalaureate) papers**, Cotonou (Benin).

TEACHING

Teaching assistant in the following courses:

- 2020-2021: Statistical Learning and Statistical Hypothesis Testing (1st and 2nd year of Engineering courses at AgroParisTech)
- 2019 (nov-dec): SVM and Kernels for classification or regression (Specialized Master, Machine Learning - Telecom ParisTech)
- 2018 (oct-dec): Linear model fitting (Master 1, [ISUP](#) - Sorbonne University)
- 2018 (jan-apr): Numerical methods in algebra, statistics and probability (second year of Bachelor - Paris 1 University)
- 2017 : Mathematical statistics (Master 1 - Paris 1 University)
- 2017 : Statistic and Probabilities (second year of Bachelor - Paris 1 University)
- 2015-2017: Numerical methods in algebra, statistics and probability (second year of Bachelor - Paris 1 University)
- 2015-2017: Data Mining and data analysis (Master 1 - Paris 1 University)
- 2015 (jan-apr): Analysis (second year of Bachelor - Paris 1 University)

Aug 2015 **Optimization methods in statistics**, *Master 1*, Abomey-Calavi University, Benin.
2005 - 2011 **Mathematics courses**, *lower secondary school and secondary school*, Benin.

SKILLS AND LANGUAGES

Languages : French (native), English (good level)
Informatique: C++, Linux (good level), Python, R (high level)
Mathematics: Statistics, Probabilities, Machine learning techniques

SCIENTIFIC PUBLICATIONS & PREPRINTS

- 2021 E. Adjakossa, W. Zhou, C. Lévy-Leduc. *Sign Consistency of the Generalized Elastic Net Estimator*. (preprint available)
- 2019 E. Adjakossa, Y. Goude, O. Wintenberger. *Kalman Recursions aggregated Online*. ([Arxiv link](#))
- 2019 Adjakossa, E., Hounkonnou, N. & Nuel, G. (2019). *Computationally Stable Estimation Procedure for the Multivariate Linear Mixed-Effect Model and Application to Malaria Public Health Problem*. The International Journal of Biostatistics, 0(0), pp. -. Retrieved 25 Jun. 2019, from doi:10.1515/ijb-2017-0076
- 2017 E. H. Adjakossa, G. Nuel. *Fixed effects selection in the linear mixed-effects model using adaptive ridge procedure for L_0 penalty performance*, preprint arXiv:1703.08045, 2017. To appear in Stat ([Arxiv link](#))
- 2016 E. H. Adjakossa, I. Sadissou, M. N. Hounkonnou, and G. Nuel. *Multivariate longitudinal analysis with bivariate correlation test*. PloS one, 11(8) :e0159649, 2016.

CONFERENCES AND SEMINAR TALKS

- Dec 2020 Statistics Seminar of [UMR MIA-Paris](#) AgroParisTech - France
- March 2020 [Workshop VALPRED 2](#), Aussois - France
- Feb 2020 Statistics Seminar of [S2A](#) team (LTCI), Palaiseau - France
- Jan 2020 Statistics Seminar of [SPOC](#) team, Dijon - France
- March 2019 [Workshop VALPRED 1](#), Aussois - France
- July 2018 [19th International Biometric Conference](#), Barcelona, Spain
- Oct 2018 Seminar of PhD students of LPSM, Paris
- Nov 2017 Statistics Seminar of [LMAP](#) laboratory, Pau - France
- Dec 2016 Statistics Seminar of [SAMM](#) laboratory, Paris
- Dec 2015 12th Annual Rocky Mountain Bioinformatics Conference, Colorado, USA
- Dec 2014 Seminar of PhD students of LPMA, Paris
- Dec 2014 Conference for young african researchers organized by [APSA](#), Paris
- Mar 2013 Conference for Applied statistics for the development in Africa ([SADA'13](#)) , Cotonou
- Sep 2012 Research school [CIMPA](#) for statistics applied to environment and climate change, Benin

PERSONAL INTERESTS

Sports Hiking, running, skiing.