Surname, Name: VIDAGBANDJI, Mahutin Lucien
Date of Birth: December 15, 1995
Place of Birth: Adjarra (Benin)
Contact Address: 29 rue de Fontenoy 76600 Le Havre
Telephone: +33 (0)773446863
e-mail: mahutin-lucien.vidagbandji@univ-lehavre.fr /

Current Position

Since October 2022: Phd student in Statistics.
Affiliation: Laboratoire de Mathématiques Appliquées du Havre (LMAH), Université Le Havre Normandie.

Education

2022-…: Ph.D. Student, LMAH, Université Le Havre Normandie,
2021-2022: M.Sc. Statistics and Probability, Institut de Mathématiques et des Sciences Physiques, UAC, Bénin.
2019-2020: B.Sc. Fundamental Mathematics, Faculty of Science and Technology, UAC, Benin.

Professional Experiences

- **2024-…:** Co-organizer of LMAH PhD students' seminar, Université Le Havre Normandie.
- **Dec 2024:** Co-organizer of the MIIS and PSIME Doctoral School Day, IUT Le Havre, Quai Frissard, Université Le Havre Normandie, France.
- **Sep 2024:** Member of the organizing committee of the Bio Dynamics Days 2024 seminar, LMAH, University of Le Havre Normandy, France.
- **Since 2023:** Teaching Associate, UFR of Science and Technology, Université Le Havre Normandie, France.
- **May 2023:** Member of the local committee of the FRCCS 2023 conference, LITIS, Université LeHavre Normandie, France.

Research topics

- Extreme values analysis
- Quantile regression
- Statistical Learning
- Statistics
- Probability

Publications

- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. (2025). Generalized random forest for extreme quantile regression. *To appear in Communications in Statistics - Simulation and Computation.*
- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. (2025). Penalized estimation of GEV parameters for extreme quantile regression. *Submitted to Journal of Statistical Theory and Practice.*
- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Consistency of Weighted maximum likelihood estimator for extreme quantile regression. *To be submitted on august, 2025.*

Communications

- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Extreme quantile regression using generalized random forests and block maxima approach. *International Conference on Extreme Value analysis, Probabilistic and Statistical Models and their Applications (EVA)*. University of North Carolina at Chapel Hill, USA, 22-27 June, 2025.

- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Penalized estimation of GEV parameters for extreme quantile regression. 56^{e} *Journées de la Société Francaise de Statistique*, Campus Saint-Charles, Université Aix Marseille, France, 02-06 juin, 2025.

- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Combining Extreme Value Theory and Random Forests for High Quantile Regression. *17^{e} Journée de la Féderation Normandie Mathématiques*. INSA Rouen Normandie, France, 26 mai, 2025.

- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Generalized random forest approach for GEV extreme quantile regression. *Rencontres des jeunes chercheurs africains en france, sixième édition*. Institut Henri Poincaré (Paris), France, 12-13 december, 2024.

- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Generalized random forest for extreme quantile regression. *The 26th international conference on computational statistics*. University of Giessen, Allemagne, 27-30 august, 2024, 31.

-Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Parameter estimation of generalized extreme value distribution using generalized random forest method. *16^{e} de la Fédération Normandie Mathématiques.* Université de Rouen Normandie, France, 05 juillet, 2024.

-Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. GEV-Extremal random forest. 55^{e} *Journées de statistiques de la SFDS*. Campus de la victoire de l'Université de Bordeaux, France, 27-31 mai, 2024, 1098–1105.

- Vidagbandji, M. L., Berred, A., Bertelle, C., & Amanton, L. Quantile regression, An approach based on GEV distribution and machine learning. *The french regional conference on complex systems.* Université Le Havre Normandie, France, 31 mai-2 juin, 2023, 515–518.