Elhadji Cisse Faye, Ph.D. student

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WORK EXPERIENCE

09-2024 – · · · ·-2024   🔖 **In charge of tutorials and/or practical courses,** *University of Orléans: Maths for computing (Level 1)*

09-2023 – 06-2024   🔖 **In charge of tutorials and/or practical courses,** *University of Orléans: Probability (Level 1), Maths for computing (Level 1), Descriptive Statistics (Level 1). (Orléans)*

11-2022 – · · ·-· · · ·   🔖 **Ph.D.,** *Institut Denis Poisson Lab. (Orléans)*
Subject: Bayesian inversion with deep learning-driven priors –Application to spectral imaging problems.
Supervisors: M. D. Fall, N. Dobigeon and A. Chetouani.

03-2022 – 09-2022   🔖 **Master's internship,** *Center for ecology and conservation science conservation. (Paris)*

Education

2022 – · · · ·   🔖 **Ph.D., University of Orléans** Deep Learning and Bayesian Statistics.
France.

2020 – 2022   🔖 **M.Sc., University of Orléans** in Applied Mathematics, Statistics.
France.

2018 – 2020   🔖 **M.Sc., University of Dakar** in Applied Mathematics, Statistics and Probability.
Senegal.

2014 – 2017   🔖 **Bachelor., University of Dakar** in Mathematics.
Senegal.

Research Publications

Journal papers

1 E. C. Faye, M. D. Fall, and N. Dobigeon, "Regularization by denoising: Bayesian model and langevin-within-split gibbs sampling," *IEEE Transactions on Image Processing*, 2024.

Conference Proceedings

1 E. C. Faye, M. D. Fall, A. Chetouani, and N. Dobigeon, "Bayesian formulation of regularization by denoising–model and monte carlo sampling," in *2024 IEEE 26th International Workshop on Multimedia Signal Processing (MMSP)*, IEEE, 2024, pp. 1–5.

Skills

Languages   🔖 Reading, writing and speaking competencies for French, English.

Coding   🔖 PHP, Python, R, SQL, LaTeX, …

Databases   🔖 MySQL, SQLite.

Web Dev   🔖 HTML, CSS.