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Département: Systèmes d'Information, Data
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DIPLÔMES

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2021	Doctorat en Mathématiques Appliquées (Télécom Paris France)
2018	MSc in Mathematical and Computational Finance (University of Oxford Royaume-Uni)
2018	Diplôme d'Ingénieur (Télécom Paris France)

CARRIÈRE

POSITIONS ACADÉMIQUES PRINCIPALES

2023 - Présent	Professeur assistant (ESSEC Business School France)
2021 - 2022-12-31	Post-Doctorante (University of Oxford Royaume-Uni)

PUBLICATIONS

COMMUNICATIONS DANS UNE CONFÉRENCE

DAUDEL, K. et ROUEFF, F. (2025). Learning with Importance Weighted Variational Inference: Asymptotics for Gradient Estimators of the VR-IWAE Bound. Dans: 2025 BIRS Workshop "Efficient Approximate Bayesian Inference". Banff.

DAUDEL, K., BENTON, J., SHI, Y. et DOUCET, A. (2023). Alpha-divergence Variational Inference

Meets Importance Weighted Auto-Encoders: Methodology and Asymptotics. Dans: 37th Conference on Neural Information Processing Systems 2023 (NeurIPS 2023). New-Orleans.

DAUDEL, K. et ROUEFF, F. (2024). Learning with Importance Weighted Variational Inference: Asymptotics for Gradient Estimators of the VR-IWAE Bound. Dans: 2024 Rethinking the Role of Bayesianism in the Age of Modern AI. Saarbrücken.

ARTICLES

DAUDEL, K., DOUC, R. et PORTIER, F. (2021). Infinite-dimensional gradient-based descent for alpha-divergence minimisation. *Annals of Statistics*, 49(4), pp. 2250 - 2270.

DAUDEL, K., DOUC, R. et ROUEFF, F. (2023). Monotonic Alpha-divergence Minimisation for Variational Inference. *Journal of Machine Learning Research*, 24(62), pp. 1-76.

DAUDEL, K., BENTON, J., SHI, Y. et DOUCET, A. (2023). Alpha-divergence Variational Inference Meets Importance Weighted Auto-Encoders: Methodology and Asymptotics. *Journal of Machine Learning Research*, 24(243), pp. 1-83.

ACTES D'UNE CONFÉRENCE

DAUDEL, K. et DOUC, R. (2021). Mixture weights optimisation for Alpha-Divergence Variational Inference. Dans: *35th Conference on Neural Information Processing Systems (NeurIPS 2021).* Curran Associates, Inc. pp. 4397–4408.

DOCUMENTS DE TRAVAIL

DAUDEL, K. et ROUEFF, F. (2024). *Learning with Importance Weighted Variational Inference: Asymptotics for Gradient Estimators of the VR-IWAE Bound.* arXiv.