Kevin Elgui

Education

2017–2020 **PhD in Machine Learning**, *Télécom Paris, Université Paris-Saclay*, France

2015–2016 **MSc in Machine Learning (MVA)**, *ENS Cachan*, France
Coursework: Non-parametric Statistics, Convex Optimization, Kernel Methods for Machine Learning

2014–2015 **MSc in Applied Mathematics**, *Université Paris Descartes*, Paris, France

2011–2014 **Engineering Degree in Civil Engineering**, *École Spéciale des Travaux Publics*, Cachan, France

Professional Experience

Mar. 2021 – Present **Senior Data Scientist**, *Owkin*, Paris, France
- Survival analysis, predictive modeling
- Heterogeneous treatment effects
- Representation learning

Jun. 2017 – 2020 **PhD Candidate (CIFRE)**, *Télécom Paris / Sigfox*, Paris, France
- Statistical learning, representation learning
- Metric learning

Oct. 2016 – Feb. 2017 **Data Scientist**, *Occi.io (WeWard)*, Paris, France
Convex optimization for indoor geolocation model inference

Apr. 2016 – Oct. 2016 **Intern**, *1000mercis*, Paris, France
Real-Time Bidding (RTB) agent development, optimization

Apr. 2015 – Oct. 2015 **Intern**, *Occi.io (WeWard)*, Lille, France
Spectral clustering for targeted advertising in malls

Apr. 2014 – Sep. 2014 **Intern**, *Tractebel Engineering (GdF)*, Paris, France
Learning a physical model for seismic isolation bearings

Selected Publications

2025 **Garberis, I.**, et al. "Deep learning assessment of metastatic relapse risk from digitized breast cancer histological slides." *Nature Communications*, 16.1 (2025): 5876.

2023 Elgui, K., Nowak, A., Robin, G. "A Statistical Learning Take on the Concordance Index for Survival Analysis." *AISTATS*, 2023.

2022 Bianchi, P., Elgui, K., Portier, F. "Conditional Independence Testing via Weighted Partial Copulas." *Electronic Journal of Statistics*, 2022.

2020 Elgui, K., Bianchi, P., Isson, O., Portier, F., Marty, R. "Metric Learning for Fingerprint RSSI-Localization." *IEEE/ION PLANS*, 2020.

2020 Elgui, K., Bianchi, P., Portier, F., Isson, O. "Learning Methods for RSSI-based Geolocation: A Comparative Study." *Pervasive and Mobile Computing*, 2020.

2020 Elgui, K. "Contributions to RSSI-based Geolocation." *Thesis*, 2020.

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Technical Skills

Languages	Python, R, SQL, MATLAB
Machine Learning	Representation Learning, Metric Learning, Survival Analysis, Deep Learning
Tools	Git, Docker, TensorFlow, PyTorch, scikit-learn, Jupyter

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