

Emilien JEMELEN

emilien.jemelen@inria.fr

+33 6 06 52 41 91

[Personal webpage](#)

EDUCATION

HEKA Team (INRIA, INSERM, Université Paris Cité) & Epiconcept, Paris

Ph.D in Imaging Machine Learning applied to breast cancer mammography—DEEP.PISTE project—degree expected in December 2026

ENSAE, Paris Polytechnic Institute, Palaiseau (France)

Master of Statistical Learning and Data Science (DSSA)—2023

HEC Paris, Jouy-en-Josas (France)

Master of management—2022

PUBLICATIONS

Peer-Reviewed Articles

Jemelen, E., Orchard, F., Madie, W. et al. *Evaluating breast cancer screening performance without registries using medico-administrative data.* Sci Rep 15, 25096 (2025). <https://doi.org/10.1038/s41598-025-10115-w>.

Articles under review

Jemelen, E., Orchard, F., Katsahian, S. et al. *Beyond Accuracy: Controlling Broad Error Types in Selective Classification*—OA publication expected in 2026.

TEACHING

French preparatory classes for the “Grandes Écoles” (CPGE)—Collège Stanislas, Paris

2nd year oral examinator and grader in mathematics—2018-2026

Université Paris Cité, Paris

Part-time lecturer in Machine Learning—2025-2026

PROFESIONAL EXPERIENCE

HEKA Team (INRIA, INSERM, Université Paris Cité)

Research internship (6 months)—Survival analysis of clinical time series, applied to weekly ventilator management for patients with Acute Respiratory Distress Syndrome (ARDS) in a hospital setting—2023

Sanofi R&D, Chilly-Mazarin (France) and Frankfurt (Germany)

Research internship (6 months)—Endotype discovery with genomics datasets in early clinical trials—2022

Sanofi Pasteur, Lyon (France)

Research internship (6 months)—Prediction of post-covid endemic vaccines demand using massive flight tickets redirects databases—2021

SPOKEN LANGUAGES

French (native)

English (professional capacity)

Spanish (professional capacity)

Japanese (beginner!)