Emilien JEMELEN

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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) of Collège Stanislas, Paris
2nd year oral examinator and grader in mathematics—2018-2026
Université Paris Cité, Paris
Part-time lecturer in Machine Learning for time series—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!)