

MEILAME TAYEBJEE

PhD Candidate in AI for Healthcare ◊ Civil Servant (Statistician-Economist Corps)

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EDUCATION

ENS Paris-Saclay, Master MVA (Mathematics, Vision, Learning) 2023 – 2024

Relevant Coursework: Computational Statistics, Deep Learning for Medical Imaging, Optimization

Ensae Paris, Master of Engineering 2023 – 2024

Relevant Coursework: Bayesian Statistics, Advanced Econometrics, Machine Learning Theory

Ecole Polytechnique, Master of Engineering (X2020) 2020 – 2024

Applied Math Scientific Specialization Program

HEC Paris, Master in Management 2019 – 2024

Preparatory classes at Lycée Henri-IV (2017–2019) – Major: Math, Minor: Geopolitics & Economics

EXPERIENCE

PhD Candidate – Part-Time Oct 2024 – current

Center for Research in Economics and Statistics (Crest) – Inria (SODA lab)

Paris, France

Advisors: Guillaume Lécué (Crest), Gaël Varoquaux (Inria)

- Graph4Health project: Transformer-based medical pathway embedding for causal inference & policy evaluation on the national healthcare database (70M patients, 10 years).

Data Scientist – Part-Time Sept 2024 – current

AI and Data Science Lab, Insee (French national statistical institute)

Paris, France

- MLOps pipeline for text classification in production; developed the *torchTextClassifiers* open-source package
- Agentic RAG workflow for production model monitoring
- Segmentation model on satellite imagery for census monitoring
- European statistical cooperation for AI/ML adoption across National Statistical Institutes (ESSNet AIML4OS)

AI Research Intern April – August 2024

Inria (HeKA team) – Advisor: Stéphanie Allasonnière

Paris, France

- Generative model for longitudinal data via variational inference & latent diffusion models.

Graduate Research Intern April – August 2023

Massachusetts Institute of Technology (MIT, Operations Research Center)

Boston, MA, USA

Advisor: Alexandre Jacquillat

- Microtransit system modelization and optimization using linear programming.

M&A Intern June – August 2022

Rothschild & Co, Global Advisory

Paris, France

- Large-cap M&A advisory (Teaser, Information Memorandum, client meetings).

EXTRA-CURRICULAR ACTIVITIES

- **Eloquence & Debate:** winning team of national university debate competition, finalist of HEC Paris eloquence contest, member of HEC and Polytechnique eloquence societies
- **Community:** *Fleur de Bitume* (non-profit): mentoring teenagers (12–15) from underprivileged areas
- **Sports:** Tennis (competition), Soccer, Hiking
- **Languages:** French & Hindi (native), English & Spanish (advanced), Arabic (beginner)

TALKS

- *torchTextClassifiers: Modernizing Text Classification for French National Statistics*
PyData Paris 2025 & PyData Global 2025 (Dec 2025)
- *Policy Evaluation using Transformer-based Medical Pathway Embeddings*
Inria SODA Seminar (Mar 2026)