Assistant Professor position in Statistics/Machine Learning at Hi!PARIS (ENSAE Paris/IP Paris)

Presentation and context of the institution

The *Institut Polytechnique de Paris (IP Paris),* legally created in May 2019, brings together five *Grandes Ecoles*: the École Polytechnique, ENSTA Paris, ENSAE Paris (a GENES school), Télécom Paris and Télécom SudParis (two IMT schools). This grouping of five institutions of excellence within the Institut Polytechnique de Paris deliberately places itself in an international approach to higher education and research. It enables these Schools to combine their strengths, to amplify their existing cooperative actions and to gain in visibility, especially internationally, by capitalizing on their assets and by carrying out a transformation that will position the *Institut Polytechnique de Paris* according to international standards. Gathered on the same campus, the aforementioned Schools have tremendous potential, enabling them to leverage their strengths to implement joint projects.

Hi!PARIS (https://www.hi-paris.fr/): created jointly by *HEC Paris* and the *Institut Polytechnique de Paris (IP Paris)*, Hi!PARIS is a new interdisciplinary research and teaching center dedicated to AI and Data Sciences. Hi!PARIS aims to become a world leader in the field within 5 years by addressing the main challenges of technological transformation and its impact on business and society. The Center will rely on the 300 researchers and the infrastructures of IP Paris and HEC Paris in these fields. It is a continuation of an intense dynamic collaboration between the two institutions, which already share a common doctoral school and master's degrees. It is entirely financed by corporate sponsors mobilized around the two academic institutions. A unique space for breakthroughs, training and innovation, technology development and transfer, Hi!PARIS will be active in key application areas such as energy and environment, defense and security, health, retail and luxury goods, telecoms, food, finance and insurance... By strengthening the collaboration between IP Paris and HEC Paris, and by capitalizing on their expertise covering a broad academic spectrum, Hi!PARIS will have a powerful impact on a European and global scale in terms of data-IA research and training (engineers, managers, young researchers, continuing education), resources that are today indispensable to companies and laboratories, both in public and private sectors.

ENSAE Paris and IP Paris welcome applications for a tenure track position as Assistant Professor in Statistics and Machine Learning to begin as soon as possible and no later than in September 2023. Applicants are expected to have demonstrated research potential. Serious consideration will be given to candidates whose research focuses on one of the following fields: reinforcement learning, learning on graphs, generative modeling and optimal transport.

The successful candidate will be affiliated to **CREST** (http://crest.science/). The position comes with a substantial recruitment package.

Work description

The primary focus is research on advanced methods in statistics and machine learning, both in its theoretical and applied dimensions, as a part of the "AI and Data Sciences for Society" area of Hi!PARIS. The successful candidate will have demonstrated leadership and research accomplishments in Statistics and Machine Learning including but not limited to the following research areas: reinforcement learning, learning on graphs, generative modeling and optimal transport, as well as applications in economics, finance, biology, health and climate.

The main criterion for employment is a strong commitment to research and teaching. The position requires a Ph.D. in Statistics, Machine Learning or another related field. The candidate must have evidence of strong research productivity in the aforementioned fields. Experience in classroom teaching is highly desirable.

The position includes a substantial recruitment package including salary and research budget. Hi! Paris aims to increase the proportion of women in research and teaching and therefore expressly invites qualified female scientists to apply.

Applicants are kindly requested to send the following documents combined in a single PDF file to the address recruitment@ensae.fr.
1. Cover letter
2. Curriculum vitae
3. Research statement
4. Teaching statement
5. List of three referees

The deadline for applications is February 19th, 2023

GENES recruits, employs, and promotes regardless of race, religion, color, national origin, sex, disability or age as required by applicable law.

Contact persons

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