



Offer #2024-07533

PhD Position F/M Algorithms for dynamic risk prediction with longitudinal data

Contract type : Fixed-term contract

Level of qualifications required : Graduate degree or equivalent

Fonction : PhD Position

Context

Within the framework of a partnership (you can choose between)

- not applicable,
- collaboration between 2 Inria teams: *****,
- collaboration ({team_Inria} and the start-up *****,
- project/programme/European fund *****,
- public with {French National Research Agency (ANR), local and regional authorities, academic partners, *****)
- value-creation and technology transfer contracts with *****

a package/model/prototype/application/interface/infrastructure/other specify *****
more specifically dedicated to *****.

Is regular travel foreseen for this post ? "Do not hesitate to make this known and to ensure that "travel expenses are covered within the limits of the scale in force".

Assignment

Assignments :

With the help of Agathe Guilloux, the recruited person will

- write the introductory and concluding chapters of his thesis (2 months),
- work on editing for Biometrics. This includes doing additional experiments (1 month) and revising the manuscript (1 month)
- format the codes already written for the experiments in the article for ICML in order to integrate them into an open source python library (2 months)

For a better knowledge of the proposed research subject :

A state of the art, bibliography and scientific references are available at the following URL, do not hesitate to log in: (please specify here the link to your team website or any other document you wish to bring to the attention of the candidate).

Collaboration :

The recruited person will be in connection with Agathe Guilloux.

Main activities

Main activities (5 maximum) :

Additional activities (3 maximum) :

Examples of activities:

- Analyse the requirements of {partners, clients, users}
- Propose **** solutions for ****
- Develop programs/applications/interfaces of ****, ****
- Design experimental platforms ****
- Write documentation
- Write reports
- Write ****
- Test, change up until validation
- Distribute the *** * to **** via ****

- Provide user training for the service's main clients
- Lead a user community
- Present the works' progress to partners, ****to an audience of financiers ****
- Other ****

Skills

Technical skills and level required :

Languages :

Relational skills :

Other valued appreciated :

Benefits package

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

General Information

- **Theme/Domain** : Optimization, machine learning and statistical methods
Statistics (Big data) (BAP E)
- **Town/city** : Paris
- **Inria Center** : [Centre Inria de Paris](#)
- **Starting date** : 2024-04-15
- **Duration of contract** : 6 months
- **Deadline to apply** : 2024-06-24

Contacts

- **Inria Team** : [HEKA](#)
- **PhD Supervisor** :
Guilloux Agathe / agathe.guilloux@inria.fr

About Inria

Inria is the French national research institute dedicated to digital science and technology. It employs 2,600 people. Its 200 agile project teams, generally run jointly with academic partners, include more than 3,500 scientists and engineers working to meet the challenges of digital technology, often at the interface with other disciplines. The Institute also employs numerous talents in over forty different professions. 900 research support staff contribute to the preparation and development of scientific and entrepreneurial projects that have a worldwide impact.

The keys to success

There you can provide a "broad outline" of the collaborator you are looking for what you consider to be necessary and sufficient, and which may combine :

- tastes and appetencies,
- area of excellence,
- personality or character traits,
- cross-disciplinary knowledge and expertise...

This section enables the more formal list of skills to be completed and 'lightened' (reduced) :

- "Essential qualities in order to fulfil this assignment are feeling at ease in an environment of scientific dynamics and wanting to learn and listen."
- " Passionate about innovation, with expertise in Ruby on Rails development and strong influencing skills. A thesis in the field of **** is a real asset."

Warning : you must enter your e-mail address in order to save your application to Inria. Applications must be submitted online on the Inria website. Processing of applications sent from other channels is not guaranteed.

Instruction to apply

Defence Security :

This position is likely to be situated in a restricted area (ZRR), as defined in Decree No. 2011-1425 relating to the protection of national scientific and technical potential (PPST). Authorisation to enter an area is granted by the director of the unit, following a favourable Ministerial decision, as defined in the decree of 3 July 2012 relating to the PPST. An unfavourable Ministerial decision in respect of a position situated in a ZRR would result in the cancellation of the appointment.

Recruitment Policy :

As part of its diversity policy, all Inria positions are accessible to people with disabilities.