UCLouvain

ISBA

The Institute of Statistics, Biostatistics and Actuarial Sciences (ISBA) of the Université catholique de Louvain (UC Louvain), Louvain-la-Neuve, Belgium, has a vacancy for a fulltime

Doctoral position

High-dimensional graphical models: Estimation and Inference

Job description
Candidates must have completed/or be about to complete a Master's degree in statistics or related disciplines, and have an interest in a mix between methodological and applied problems. Preference will be given to candidates with interest and experience in high-dimensional analysis. The candidate will work jointly with a research group in this area that tackles a variety of research questions in high-dimensional analysis, ranging from theoretical to more applied problems with focuses on the development of novel statistical methods for estimation and inference.

The candidate will work with Prof. Eugen Pircalabelu.

The candidate will also be involved on a small scale into some teaching activities of the institute.

Job requirements

- Master's diploma in (Bio)statistics/econometrics/applied mathematics or data science with relevant experience in high-dimensional analysis. The diploma should be obtained **prior** to the starting date of the contract.
- Good knowledge of written and spoken English is required. No proper knowledge of French is required.
- Deep knowledge in R programing and simulations.
- Ability to work independently and take initiatives.

Terms of employment
A grant or contract of 2 years, renewable each year. During this period of 2 years, the recipient is committed to apply for external financing such as FNRS/FRIA/FRESH or similar grants.

Research environment
The Institute of Statistics, Biostatistics and Actuarial Sciences (ISBA, https://uclouvain.be/en/research-institutes/lidam/isba) is a renowned research center of high international reputation which offers a very stimulating working environment. At the ISBA there are around 25 pre- and postdoctoral researchers working under the supervision of 9 full-time professors, in a variety of fields of methodological and applied statistics, including biostatistics

and actuarial sciences. They are integrated into the Graduate School in Statistics and Actuarial Sciences which offers them an up-to-date training in their field via regular seminar series, short courses and workshops, all in English and often given by international short and long-term visitors. ISBA has numerous academic contacts, including those to neighboring fields (medicine, agronomy, social science, economy, finance and engineering) as well as collaborations with industry. It is placed in the heart of a modern, vivid and international university campus, in close proximity of Brussels and its international airport, and in short travel distance to other European capitals.

Information
For further information, please contact Prof. E. Pircalabelu (eugen.pircalabelu@uclouvain.be). For administrative questions or for more information regarding the application procedure please contact Mrs. N. Guillaume (nancy.guillaume@uclouvain.be).

Application
Please send the following documents to Mrs. N. Guillaume (nancy.guillaume@uclouvain.be):

- a letter of motivation, clearly mentioning the area of research in which you are interested;
- your curriculum vitae;
- your Master's dissertation and any other publications (if available);
- copy of the Bachelor and Master's (if available) diplomas;
- copy of the grades obtained during the Master's programme;
- at least one reference letter to be sent by email directly by the referee.

Items 1-5 should be merged together into **one single** pdf file. The closing date for application is 30th June 2019 (applications received after June 30 will be considered as they arrive, until the position is filled). Only duly completed applications can be taken into account.

Starting date
At the latest on 14th September 2019.