

PhD position in Leiden

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<http://www.biometricsociety.net/2015/10/18/phd-position-in-leiden/>

PhD position in Statistics

Faculty of Science, Mathematical Institute, Leiden University, The Netherlands

The Faculty of Science and the Mathematical Institute at University of Leiden invite applications for a:
PhD position in Statistics

Key responsibilities

The successful candidate will be working on problems related to nonparametric Bayes. This is a relatively new field in mathematical statistics studying the properties of the posterior distribution for nonparametric or highdimensional models (for an introduction you might consult <http://www.math.leidenuniv.nl/~avdvaart/talks/EMS1.pdf> or <http://www.math.leidenuniv.nl/>.)

The PhD project will be carried out with Aad van der Vaart and Johannes Schmidt-Hieber. The position is funded within an ERC Advanced Grant: <http://nieuws.leidenuniv.nl/nieuws-2012/erc-grant-voor-statistiek-in-grote-rommelige-datasets.html>. There is a large research community in the Netherlands (and in particular in Leiden) closely collaborating on similar projects and regularly joint nationwide seminars are organized (see for instance <https://staff.fnwi.uva.nl/b.j.k.kleijn/bc/>).

Selection criteria

- A MSc degree;
- A special focus on mathematical statistics or probability theory;
- An interest in programming is desirable;
- Excellent grades and good reference letters.

About our organisation

The Faculty of Science teaches more than 2,600 students in the context of 8 bachelor's and 11 master's programmes. Working at the Faculty of Science means being part of an exciting, dynamic scientific environment which sets high standards for its students, staff and support staff alike. The Faculty is known for its friendly and team-spirited atmosphere, which promotes mutual exchange of knowledge. For more information, see <http://www.science.leidenuniv.nl>

The mathematical Institute is responsible for the mathematical research and education within the Faculty of Science. Currently, there are 120 staff members and 330 bachelor- and master students, from all over the world. The institute is characterized by its diverse mix of people, both in academic and cultural background. For more information, see <http://www.math.leidenuniv.nl/en/home>

Terms and conditions

We offer a full-time, fixed-term PhD position for 4 years, with appointment for the initial period of 1 year. After 1 year, the appointment can be extended with a fixed-term period of 3 years. The salary starts with a gross amount of €2.125,- per month and ends with a gross amount of €2.717,- per month in the 4th year in accordance with the pay scale for PhD students, part of the Collective Labour Agreement for Dutch Universities. Additional budget allows for research visits abroad and conference attendance.

Leiden University offers an attractive benefits package with additional holiday (8%) and end-of-year bonuses (8.3 %), training and career development and sabbatical leave. Our individual choices model gives you some freedom to assemble your own set of terms and conditions. Candidates from outside the Netherlands may be eligible for a substantial tax break.

All our PhD students are embedded in the Leiden University Graduate School of Science . Our graduate school offers several PhD training courses at three levels: professional courses, skills training and personal effectiveness. In addition, advanced courses to deepen scientific knowledge are offered by the research school.

Information

Enquiries about the position can be made to dr. Johannes Schmidt-Hieber, Assistant Professor in Statistics (schmidthieberaj@math.leidenuniv.nl).

Enquiries about the procedure or the Mathematical Institute can be made to Kathelijne Smits, Coordinator of the Mathematical Institute (smitsgm@math.leidenuniv.nl).

Applications

Please use our digital application system to apply for this vacancy. You can register your account here <http://jobs.math.leidenuniv.nl> and submit your application online.

Please ensure that you upload the following documents:

- Your CV;
- A motivation letter including your research interest.

We will ask you for at least 2 referents. It is not necessary to upload reference letters in the application stage. Your referents will be contacted by the Mathematical Institute upon invitation for an interview. Only applications received **before 19 October 2015** can be considered.

We aim to employ more women in areas where they are underrepresented. Women are therefore especially invited to apply.

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