

The Leibniz Institute for Agriculture and Bioeconomy (ATB) as a nationally and internationally acting institute is researching at the interface of biological and technical systems. ATB's research aims to create foundations for sustainable bio-economic production systems. We develop and integrate new technologies and management strategies for a knowledge-based, site-specific production of biomass, and its use for food, as bio-based materials and fuels - from basic research to application.

The computer science junior research group „Data Science in Agriculture“ at the ATB studies intelligent data analysis and machine learning methods and their application to research questions in agricultural technology and bioeconomy. As part of the DFG-funded research project „Building models from experimental data: machine learning and model evaluation for data with dependencies and distribution shifts“ we are looking for a

### **Postdoctoral Researcher for Machine Learning / Deep Learning. (m/f/d)**

#### **Your responsibilities**

- Development of novel machine learning methods, especially in the area of deep learning
- Application of existing state-of-the-art machine learning methods to problems in agricultural technology and bioeconomy research
- Publication of research results in high-ranking computer science conferences as well as joint publications with researchers from other fields studied at ATB in leading journals from agricultural technology and bioeconomy

#### **Your qualifications**

- Excellent Ph.D. degree in machine learning, or excellent Ph.D. degree in a related field (e.g., physics, mathematics) with demonstrable experience in machine learning or intelligent data analysis
- Extensive programming experience, ideally in Python or Matlab
- Interest in and experience with interdisciplinary research
- Ability to work independently on challenging research questions
- Very good written and spoken English skills

#### **We offer**

- an attractive, scientifically excellent, and interdisciplinary working environment
- very good opportunities to further develop your scientific career
- family-friendly working conditions that foster the compatibility of work and family life

The salary will depend on qualification and experience and can reach up to E13 TV-L (German public service scheme). The position is limited until 30.06.2020 with respect to the project duration. The place of work is Potsdam.

For further information please contact **Dr. Niels Landwehr** (Tel.: 0331/5699-913, E-Mail: [nlandwehr@atb-potsdam.de](mailto:nlandwehr@atb-potsdam.de)) and visit our website [www.atb-potsdam.de](http://www.atb-potsdam.de).

If you would like to participate in our interdisciplinary research, please send your complete application, including curriculum vitae, copies of certificates, grade transcripts, and three representative publications by email to [karriere@atb-potsdam.de](mailto:karriere@atb-potsdam.de) (if possible one PDF document) quoting the **reference number 2018-DS-1**.

Equality of opportunity is part of our personnel policy. Disabled applicants with adequate qualification will be preferentially considered.

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