



Data Science and its Applications

German Research Centre for AI

Basic info

Data Science and its Applications department of the German Research Centre for Artificial Intelligence (DFKI), together with connected group at University of Kaiserslautern-Landau (RPTU) is offering a research internship in applied data science and AI. The department is based in Kaiserslautern, Germany. The group is led by professor Sebastian Vollmer.

We offer research internships, duration **3 - 6 months**, with possibility of extension and continuation into a PhD position. We offer a tax free stipend of **up to 1000 EUR** per month (depending on circumstance, e.g. might be reduced if you have other income) for students coming to **Kaiserslautern. Remote internships are possible** depending on the candidate and the topic, but may lead to a reduced stipend.

Projects

We are a growing research department and topics change. Our online application system will show you currently available MSc thesis topics at the second step of the application form. Examples of topics are:

- Simulation of crime and similar geo-spatial event data
- Transformer models for human biobank data
- Transfer learning on open data for cardiovascular disease
- Discovery and Synthesis of Data Science Pipelines via Agent Self-Experimentation
- Recovering individual trajectories from aggregated data: applications in health & society

We are also open to other projects, and on the form you will be able to suggest your own topic if you have something you are particularly passionate about and think it fits in our department's research agenda.

Supervision

Students will be supervised by a senior researcher in the group, depending on the topic. On a macro level, supervision will be done by professor Sebastian Vollmer and his deputy Andrea Sipka. Students will have support of the research group and infrastructure, including mentorship and career guidance.

About us

DSA currently focuses on several major streams - AI for healthcare and public policy, Event data analysis, Bayesian methodology and Monte Carlo methods, Machine Learning in Julia and Data Science for Social Good. The group currently has over 20 researchers of all levels - from research assistants to postdoctoral fellows and senior researchers. In addition to research projects, the group works on developing end-to-end data products for industrial partners, charities and public sector. More information is on [our website](#).

How to apply

Use the following form to apply: vollmer.ki.dfki.de, indicating that you are looking for an MSc Thesis. In the field "have you spoken to someone in the group", please write "UniPD" so that we can screen your application properly. Any questions can be addressed to deputy head of DSA, Andrea Sipka, via email to andrea.sipka@dfki.de