

Job Offering

The Junior Professorship of Applied Microeconomics, esp. Human-Machine Interaction, of Julius-Maximilians-Universität Würzburg, Germany (Prof. Dr. Alicia von Schenk), is inviting applications for a

Research Associate in Experimental Economics and AI

The position will be available to start as soon as possible and will be fixed term for a period of 3 years, financed by a grant from the German Research Foundation (DFG). The contract is part time (75%). The position offers the chance to obtain further academic qualification (PhD). Remuneration will be based on the collective agreement for the public service of German federal states (TV-L).

The following goals are to be advanced within the framework of a project funded by the DFG: You will work on economic projects related to strategic interactions in organizational decision-making as well as the influence of generative AI and large language models (LLMs). In this context you will take on scientific tasks as well as the responsibility for implementing economic experiments in Python, as well as integrating new AI methods in the interaction with participants. The results of the projects further aim to be published as scientific articles in high-profile, international journals. The written scientific articles can be included as part of your dissertation. You might also contribute to teaching in economics and business at the University of Würzburg.

The position will be primarily based at the University of Würzburg, with some remote work possible.

Your Role:

- Conduct independent research on strategic interactions in organizational decision-making and the impact of generative AI, including large language models (LLMs)
- Lead the design, implementation, and running of economic experiments using Python
- Integrate innovative AI tools into experimental frameworks for participant interaction
- Collaborate with a dynamic team and contribute to high-profile publications, which can form part of your dissertation
- Teaching opportunities in economics and business at the University of Würzburg

Your Profile:

- A very good master's degree in economics or business administration, business informatics, data science, business mathematics, or related
- A strong interest in scientific work and empirical research
- Expertise in programming (preferably Python), HTML or JavaScript would be an asset
- Very good analytical skills, ability to conduct advanced statistical inference (e.g. STATA)
- Basic knowledge in microeconomics and/or organizational economics
- A strong interest in current developments in the field of artificial intelligence, e.g., generative AI, and in empirical and experimental studies on human-machine interactions
- Ability to work independently but also in teams in a goal- and project-oriented manner
- High proficiency in English (demonstrated by a very good TOEFL test or similar)
- Experience in designing, conducting, and analyzing empirical/experimental studies in the lab, field or online via crowdsourcing platforms is an advantage
- Advanced programming skills in Python, and knowledge of AI/machine learning applications are

desirable

- Basic knowledge of German (for teaching) is beneficial

What We Offer:

- A vibrant research environment, working on an innovative project funded by the German Research Foundation (DFG)
- Time and support to pursue own research interests and personal academic growth
- Opportunity to present research at conferences and co-author publications in economic journals

The University of Würzburg aims to reduce the underrepresentation of women and therefore explicitly encourages qualified women to apply.

Severely handicapped applicants will be given preferential consideration in the case of broadly equal suitability, ability and professional achievements.

Please send your convincing application and supporting documents including a cover letter that briefly describes your motivation for this position, a CV, certificates, etc. – preferably by email – **by 25 October 2024 at the latest** to

alicia.vonschenk@uni-wuerzburg.de

Junior Professorship of Applied Microeconomics, esp. Human-Machine Interaction
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Please do not send any original documents to us; only send photocopies. As we need to save costs, we will not be able to return your documents to you. They will be shredded shortly after a hiring decision has been made. If you enclose a postage-paid return envelope, we will return your application documents to you three months after a hiring decision has been made.

