Assistant or Post-doc

(6 Months, 100% or part-time)

"Application of Artificial Intelligence for Test Generation and Test Evaluation in Educational Assessments"

One research focus of the Chair for Psychological Methods, Evaluation and Statistics at the Department of Psychology of the University of Zurich is the application of machine learning and deep learning methods in psychology and related fields.

For a current project together with scientific partners from educational research, we are looking to fill the position of an assistant or post-doc researcher with a Master's or PhD degree in Data Science or Machine Learning with experience in Natural Language Modeling and Generative AI using relevant software frameworks (e.g., TensorFlow or PyTorch). The task of the assistant or post-doc researcher is to apply Natural Language Modeling techniques for the automated evaluation of texts from educational assessments, as well as the generation of new tasks using Large Language Models and related techniques from the field of Artificial Intelligence. The duration of the project is 6 months with a 100% (or part-time if desired) assistant or post-doc position. The planned start of the employment is February 1, 2024, or at the earliest convenience.

As part of this project, you will apply state-of-the-art machine learning models to solve real-world problems in education. In close cooperation with scientific partners from the fields of educational research and psychological methodology, your work aims at developing deep learning models that enhance educational assessments in Switzerland.

Applications should include:

- The project title "Application of Artificial Intelligence for Test Generation and Test Evaluation in Educational Assessments"
- Letter of motivation and CV
- Academic certificates

Short-listed candidates will be contacted until January 15, 2024, for a follow-up interview. Please send your application by December 31, 2023, to:

rudolf.debelak@psychologie.uzh.ch