

## External job advertisement - Reg.-Nr. 4-5731/20-D

The Martin-Luther-University Halle-Wittenberg is with over 340 professors and 20.000 students the largest university in Saxony-Anhalt. The university is located in the economic region Mitteldeutschland which is formed by the university city Halle and the nearby city Leipzig. Numerous scientific institutes such as the Max Planck Association or the Fraunhofer Institute are located in the area. Despite its economic importance, Halle is a green city. It offers more than 7.000 hectare of water and green spaces. It also boasts one of the largest historical city centers in Germany.

The Martin-Luther-University Halle-Wittenberg, Faculty of Philosophy I, Department of Psychologie, Division Research Methods is hiring a

### Research Fellow (m-w-d)

as a **part-time employment (66%)**. The position is **available immediately** and *limited to a period up to 3 years*.

The salary will be up to Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled. The workplace will be Halle (Saale).

The position is part of the DFG-project „Test-taking engagement and test-taking behavior: Modeling the process underlying item non-response and guessing“, supervised by Dr. Jochen Ranger (MLU Halle) und Prof. Steffi Pohl (FU Berlin) and carried out in collaboration with Prof. Matthias von Davier (Boston College), Dr. Esther Ulitzsch (IPN Kiel) und Prof. Timo Gnamb (LfBI Bamberg). The aim of the project is modeling the cognitive and motivational processes underlying the response behavior in psychological tests. In its approach, the project sits at the intersection of psychometrics and cognitive modeling.

The Division of Research Method at the university conducts innovative research in the field of psychometrics (i.e., development of measurement models and analysis of model fit). We offer a supportive research environment and working culture, attaching great importance to individual mentoring.

#### Responsibilities:

- Scientific contributions to the project with respect to model development, model implementation and model evaluation.
- Presentation of research findings on international conferences as well as publication of findings in English
- Organizational tasks and further support in line with the project
- Close collaboration with the project partners
- Further academic qualification (PhD)

#### Requirements:

- Master's degree (or equivalent or higher) in psychology, statistics or any related discipline
- Interest in the development of new statistical methods, ideally demonstrated by a corresponding mayor field of study or final thesis
- Profound knowledge in statistics and psychometrics (e.g., item response theory, latent variable modeling) and experience in the application of statistical software (e.g., R, Stan, Stata) are advantageous, but not requisite
- Good organizational skills and team spirit



The Martin-Luther-University Halle-Wittenberg is an equal opportunity employer. Disabled candidates with equal qualifications will be given preference. Women are strongly encouraged to submit an application.

Further information is available from Dr. Jochen Ranger (phone: +49 (0)345 55 24348;  
e-mail: [jochen.ranger@psych.uni-halle.de](mailto:jochen.ranger@psych.uni-halle.de)).

Please submit your full application including (I) motivation letter, (II) CV and (III) writing sample of recent work (e.g., master thesis) to Martin-Luther-Universität Halle-Wittenberg, Philosophische Fakultät I, Institut für Psychologie, Abteilung Methodenlehre, Herrn Dr. Jochen Ranger, 06099 Halle (Saale). Applicants are asked to mention the **registration number 4-5731/20-D** in the subject line. Applications will be accepted **until 30<sup>th</sup> June 2020**.

Applications via E-mail to [jochen.ranger@psych.uni-halle.de](mailto:jochen.ranger@psych.uni-halle.de) in one PDF file is *preferred*.

*The announcement takes place conditional on funding availability and is subject to any possible budget restrictions.*

Application expenses cannot be reimbursed by the Martin-Luther-University.

*Please also consider the job offers of our research partners.*