The IEA (International Association for the Evaluation of Educational Achievement) is an independent, nonprofit research organization. We conduct international and national large-scale comparative studies of educational achievement and other aspects of education, with the aim of gaining in-depth understanding of the effects of policies and practices within and across systems of education. At the IEA Hamburg over one hundred specialists are involved in managing the different tasks of a study ranging from sampling to data analysis. Our experts also provide a wide array of services related to international and national surveys and assessments.

We have an immediate opening for a full-time (40 hrs/week)

Post-doc Position in Education/Psychometrics (f/m/d)

to join our Research and Analysis Unit

The Research and Analysis Unit (RandA) at the IEA Hamburg conducts research, analysis, training, support and consultancy activities in the field of large-scale assessments in education. RandA aims at improving the science of large-scale assessments, promoting the proper use of data from IEA studies, and stimulating high quality research related with IEA data.

We offer:

- A professional and international working environment
- A worldwide network with researchers and stake holders
- Opportunities for individual professional development
- A dynamic team with strong team spirit
- Flexible working hours
- Work-life balance (The IEA Hamburg was awarded with the *'Hamburger Familiensiegel'* for family-friendly employers.)

Your tasks:

- Plan and carry out scaling of questionnaire and achievement test data, evaluation of test consistency, psychometric analysis of item quality, and measurement invariance analysis
- Work on research projects related to data scaling (using such methods as IRT modeling or CFA), cross-cultural and cross-time data validity, and other related themes
- Provide methodological support for your colleagues at the IEA, as well as for external researchers conducting research projects that make use of data collected through IEA studies
- Organize and deliver different training events on research methods for analyzing large-scale assessment educational data
- Develop your own research projects contributing to the development of cutting-edge methods in large-scale assessments, or using large-scale assessment data for in-depth content analysis
- Present papers in international conferences and publish them in academic journals

Your skills and prerequisites:

- A doctorate degree in psychology, education with quantitative focus, or in statistics, or in a closely related field
- Experience and expertise in the field of psychometrics including knowledge of related methods (e.g., IRT, CFA, SEM) and software (e.g., Conquest, Mplus, Stata); knowledge of the R software is a strong advantage
- Experience in the field of international comparative and large-scale assessments is desirable
- Experience in test and/or questionnaire development would be an asset
- Experience in project and team-work
- A self-contained, proactive, and organized approach to work
- The ability to communicate effectively in written and oral form in English (in a highly multicultural environment)

We expect you to be based in our offices in Hamburg, Germany, and to be available to travel abroad for missions of short duration (usually about one week). The contract will be limited for an initial period of two years, but we are interested in a long-term work relationship.

If you are interested in this position, please submit your application (including a letter of interest, your resume, two examples of written work – published articles or book chapters and your salary expectations and availability) to bewerbung@iea-hamburg.de, with the subject: Post-doc Position RandA (0410). For further information please contact:

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