The German Institute for International Educational Research (DIPF) is a national centre for educational research and educational information; it is jointly funded by the federal government and the federal states. DIPF is a member of the Leibniz Association operating from locations in Frankfurt am Main and Berlin, with around 300 employees.

The Information Center for Education at DIPF is looking for the following position in the context of the BMBF funded project EduArc:

1 PhD in Data Science - Learning Analytics
(full-time, for 3.5 years with opportunity for promotion, salary scale EG 13 TV-H*)

for our location in Frankfurt am Main.

Your tasks:
- Applying educational metadata standards and process those with sematic web technologies
- Harvest usage data from different educational resource portals
- Develop a learning analytics dashboard to monitor usage of educational resources
- Develop a recommender system for educational resources
- Participation in conferences, organization of workshops, preparation of lectures and scientific publications
- Development of an own scientific question and independent research activities in the field of learning analytics with the aim of the doctorate

Requirements:
- Very good academic degree (master / university diploma) in computer science or a related subject area
- Practical experience in one of the fields of web services, micro service architecture, recommender systems or artificial intelligence
- Practical experience in software design and computer programming (e.g., JavaScript, D3.js, HTML5, R, Python or other visualization techniques)
- Proven, good analytical and statistical skills
- Good level of English (written and spoken)
- Abilities for academic writing and presentation

Desirable are:
- Programming skills in the tools mentioned or the readiness to adapt them
- Knowledge of the research field Learning Analytics or Educational Data Mining
- Proactive behaviour and passion for research and technology
- Creativity, self-management and collaboration skills

We offer a demanding and challenging environment in one of the most relevant science institutions in the field of education in Germany, a modern workplace, good conditions for balancing work and family life, and a pleasant work atmosphere. Women are especially encouraged to apply. Applicants will principally be able to work part-time provided that job-related requirements are appropriately considered". Equally qualified people with disabilities will be particularly considered.

Please submit your application and standard documents – preferably in electronic format to bewerbung-izb@dipf.de, quoting the reference number **IZB 2018-18.** The closing date is **06.08.2018.** The application talks are scheduled for **13.08-22.08.2018.** Applications should be ad-

* Labour agreement for public service in the state of Hesse

dressed to Professor Dr. Hendrik Drachsler, PO Box 900270, 60442 Frankfurt. If you have any further questions, please contact Prof. Dr. Drachsler himself, Tel. 0049-(0)69 24708-870, drachsler@dipf.de.

* Labour agreement for public service in the state of Hesse