



The department of Game Research and Sport Informatics at the Institute of Exercise Training and Sport Informatics, German Sport University Cologne, is seeking to hire as soon as possible a

### **Research Assistant (f/m/d)**

on a fixed term, part-time (65%) contract in the area of Sports Data Science. The regular weekly working hours are currently 25 hours and 53 minutes and the position is fixed for 3 years. The position is funded through the German Research Foundation (DFG) project (ME 2678/30-1) "Data-based approaches for the analysis of soccer matches from an e-science perspective". The position is a fixed-term position as regulated under the German Academic Short-term Labor Contract for qualification purposes (Wiss-ZeitVG). A duration of three years is considered appropriate for the completion of a PhD program.

The Institute of Exercise Training and Sport Informatics is one of the world's leading academic faculties in the area of data analytics in team sports games. Focusing on the analysis of position data in high-performance football and through close cooperation with the scouting teams of the German Football Association (DFB) and numerous Bundesliga clubs, the institute offers an excellent environment for sports analytics research. The successful applicant will be part of a growing, highly motivated international team of computer scientists, mathematicians, sports scientists, and game analysts.

#### **Your tasks**

- Manage the DFG project in cooperation with partner institutes in Brazil
- Independent programming of machine learning solutions
- Guidance and management of student and research assistants
- Independent writing of manuscripts for publication in international scientific journals and conferences
- International travel to project meetings and conferences (when possible under current Covid-19-guidelines)

#### **Requirements**

- Excellent, completed scientific university studies (master degree or equivalent) in computer science, bioinformatics, physics, mathematics or sports informatics
- Extensive, documented in-depth knowledge in the areas of machine learning, data acquisition, -preparation and -evaluation, evaluation of experimental results, design of experiments, statistics
- Experience in the field of data visualization and data mining
- very good programming skills (e.g. Python, C++, Java)
- Experience and above-average skills in the field of project management and communication with foreign project partners
- An independent and self-reliant working style paired with analytical thinking skills
- Experience in writing scientific manuscripts and presenting scientific results
- Very good written and spoken English skills
- Strong teamwork and communication skills as well as intercultural competence

#### **Requested are**

- Experience with time series analysis and/or computer vision
- Experience in writing publications for international peer-reviewed journals
- Willingness to complete a doctorate

If the personal and collective agreements are met, the classification is made up to Entgeltgruppe 13 TV-L. Further information regarding the salary can be found [here](#). The level classification is based on personal professional experience.

The German Sport University Cologne aims to increase the proportion of female academics. Applications from qualified women are therefore expressly welcome. Female applicants are given preferential consideration in accordance with the State Equal Opportunities Act.

Applications from people with severe disabilities and people of equal status are welcome. They will be given preferential consideration within the framework of the legal regulations.



The German Sport University Cologne supports its employees in balancing family and career.

Please send your detailed application stating the reference number **2058-WMA-Training** till **22.10.2020** in one **continuous** PDF file exclusively to [bewerbung@dshs-koeln.de](mailto:bewerbung@dshs-koeln.de).

If you have any questions regarding the field of activity, please contact Univ.-Prof. Memmert, phone number +49 221 4982-4330 or Dr. Rein, phone number +49 221 4982-6069. For legal and procedural questions please contact Mrs. Weyer, phone number 0221 4982-2050 for further information

Please visit our webpage [www.dshs-koeln.de](http://www.dshs-koeln.de). You also find here [www.dshs-koeln.de/datenschutz/](http://www.dshs-koeln.de/datenschutz/) information on how to handle your personal data submitted for the purpose of application.

