

Job Advertisement

Data Scientist

Salary Group E 13 TV-L

ZB MED – Information Centre for Life Sciences (www.zbmed.de) is currently seeking candidates for the following position:

Data Scientist **Pay grade E 13 TV-L**

The position is offered on a full-time, fixed term basis for a period of two years with the possibility of renewal. It is also suitable for part-time employment.

As an information infrastructure in Germany and Europe, ZB MED is the central partner for the life sciences: from medicine and biodiversity to environmental protection. The Institute emerged from a library. Based on the literature holdings and accesses, databases and research data, ZB MED supports researchers in obtaining new information and findings - both locally in Cologne and Bonn and nationwide. ZB MED offers digital value-added services via the semantic-based search portal LIVIVO and the Open Access publication portal PUBLISSO. Another key activity is the teaching of information and data competence. ZB MED conducts its own application-oriented research with data science methods in the life sciences and pursues the goal of gaining new insights and developing offers for life science research. The researchers at ZB MED aggregate, use and combine heterogeneous data, information and literature, thereby enabling new research approaches. The focus is on semantic-based methods, automated processes, text and data mining. One of the central priorities of ZB MED is the promotion of Open Science with all its facets, such as FAIR and Open Data, Open Access and Open Source. The Information Centre is a foundation under public law.

The research project “QuaMedFo“ aims at automatically analyzing medical research results/texts (for example bio-medical publications and patents) and enriching the data in order to develop discipline-specific indicators of performance. We are seeking an experienced data analyst with a strong background in text and data mining, machine learning, interested in IT-development and scientometric analysis of large data sets in an interdisciplinary environment.

The successful candidate will:

- Developing text and data mining and machine learning workflows for analyzing scientometric analysis of large text corpora
- Integrating in a data base, systematically analysing and evaluating results
- Identifying and systematically evaluating indicators by data analysis and automated evaluating of medical research results

The successful candidate will have the following qualifications and skill sets:

- Master or PhD degree in computer science or similar studies
- Excellent programming skills (ideally in Python), sound experience in Unix-/Linux-environments
- Experience in automated data analysis, in particular text and data mining and/or machine
- Experience in managing data bases (relational and NoSQL-Systeme for example MongoDB) and/or processing large amounts of data („Big Data“)
- Good English skills

Furthermore, ideally you

- have excellent analytical skills, independent and well structured working
- have very good communication skills
- are reliable and enjoy work in an interdisciplinary team enjoy
- are interested in further training and are prepared to travel occasionally

In return, we can offer:

- A varied and multifaceted working environment
- Extensive training and development programmes plus opportunities for personal development
- Good conditions for fostering a positive work-life balance (e.g. highly flexible worktime models)
- Remuneration up to TVöD public-sector pay grade 13 including attractive public-sector social security benefits
- Supplementary pension scheme
- Modern workplaces
- Sports and health services
- Jobticket subscription for the entire VRS public transport system

ZB MED's employment policy is designed to promote a wide diversity of backgrounds and skill sets. In cases where two or more applicants are ranked equally, and one has a disability, preference shall be given to the applicant with a disability. Applications from women are expressly encouraged. In accordance with North Rhine Westphalia's legislation on equal opportunities, the female candidate will be preferred in the case of equal qualification, suitability and aptitude for the position and in the absence of any other outweighing factors. Equal opportunities are an integral part of ZB MED's organisational and HR development policies. ZB MED has received the TOTAL E-QUALITY award on multiple occasions in recognition of its efforts to promote gender equality.

Questions regarding the position can be sent to Prof. Dr. Konrad Förstner (foerstner@zbmed.de).

Please ensure we receive your application no later than 28 April, 2018, including all relevant accompanying documents (CV, copies of certificates; max. 20 pages in one file). We prefer to receive applications electronically at the email address verwaltung@zbmed.de, but you may also send them by post to:

Director
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