The Faculty of Sociology offers a full-time Postdoc position starting February 1st, 2020 (E13 TV-L, non-permanent position)

Your Tasks
We are offering a Postdoc position in a research project led by Prof. Elena Esposito with the title “The Future of Prediction: The Social Consequences of Algorithmic Forecast in Insurance, Medicine and Policing”. It is a long-term project funded by an Advanced Grant of the European Research Council (ERC). The project aims to explore the social consequences of the algorithmic turn of prediction connected with big data and machine learning through a set of theory-driven empirical studies of the transition from probabilistic forms of uncertainty management to the new algorithmic forms of prediction. In the medical field the project focusses on Precision Medicine (PM), analysing the consequences of the shift from statistical procedures to big data and machine learning to define disease and to test treatments.

The tasks include in particular:

- carry out a semantic analysis of the rise of precision medicine over the past two decades in a study of archives of biomedical journals (40 %)
- contribute to the analysis of the technical features of probabilistic and algorithmic techniques in the field of Precision Medicine (30 %)
- support the researchers in the analysis of the computational aspects of the research (20 %)
- participate in project activities and work together with the research team on the common goals of the project (10 %)

Your Profile
We expect

- PhD degree in data science, computer science, computational social science, informatics or related fields
- competence in machine learning and data analytics
- experience working in interdisciplinary research teams
- excellent knowledge of English
- independent, self-responsible and committed way of working
- cooperative and team-oriented way of working
- interest in predictive techniques and archival research
- interest in interdisciplinary research issues

Remuneration
Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) paragraph 1 of the WissZeitVG (fixed-term employment), the contract will end after three years. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification.

In principle, these full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work–family balance for all its employees.

Application Procedure
For full consideration, your application should be received via either post (see postal address below) or email (a single PDF) document sent to erc.esposito@uni-bielefeld.de by December 13th, 2019. Please mark your application with the identification code: wiss19264. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure.

Further information on Bielefeld University can be found on our homepage at www.uni-bielefeld.de. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. Information on the processing of personal data is available https://www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Hinweise_english.pdf.

Postal Address
Universität Bielefeld
Fakultät für Soziologie
Frau Prof. Dr. Elena Esposito
P.O. Box: 10 01 31
33501 Bielefeld
Germany

Contact
Name: Prof. Dr. Elena Esposito
Phone: +49 30 8900 1233
Email: erc.esposito@uni-bielefeld.de

Bielefeld University has received a number of awards for its achievements as an equal opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the state statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.