At the Düsseldorf Institute for Competition Economics (DICE) of Heinrich Heine University Düsseldorf a position as a

Postdoctoral Researcher in Data Science in Economics

(100,00 %, pay grade 13 TV-L)

is to be occupied from 1 October 2024. The employment is initially limited for a period of 3 years with an option for prolongation. It is a qualification position in the sense of the Act of Academic Fixed-Term Contract (Wissenschaftszeitvertragsgesetz – WissZeitVG), intended to support the employee's scientific development.

The vacant position is part of the DFG-funded project „Explaining nonresponse and countering nonresponse bias in self-administered panel surveys" with a strong focus on the application and further development of causal machine learning methods. The project is carried out in cooperation with GESIS/Leibniz Institute for Social Science and University of Hamburg.

Your tasks:
- Development and application of causal machine learning methods
- Design and evaluation of experiments to increase participation in panel surveys
- Close cooperation with all participating institutions
- Conducting own research and publishing in international leading journals and presentations at international conferences will be aspired

Our requirements:
- A completed scientific university education (M.Sc./M.A./Diploma/Magister) in the field of Econometrics, Data Science, Statistics
- A doctoral degree in Econometrics, Data Science, Statistics, or a related field with a strong background in machine learning
- Proficiency in statistical programming with R and/or Python
- Strong interest in the development and application of new statistical methodology
- Enthusiasm for interdisciplinary collaborations with researchers from different fields
- Knowledge of causal inference and prior experience in causal machine learning are a plus
- Experience with the analysis of survey data (e.g. panel surveys) is a plus

- Good communication skills in English (knowledge of German is a plus

The pay scale grouping will be, depending on the personal qualification of the applicant, up to pay grade 13 TV-L.

In principle, the employment can also take place part-time, if no compelling official reasons are opposed in an individual case.

Heinrich Heine University Düsseldorf aims at increasing the percentage of employed women. Applications from women will therefore be given preference in cases of equal aptitude, ability and professional achievements unless there are exceptional reasons for choosing another applicant. Applications from suitably qualified severely disabled persons or disabled persons regarded as being of equal status according to Book IX of the German Social Code (SGB – Soziales Gesetzbuch) are encouraged.

Detailed information about DICE is available at: https://www.dice.hhu.de/en

Your contact person in case of questions is Prof. Dr. Jannis Kück; email: kueck@dice.hhu.de.

Please submit your application documents (cover letter, CV, certificates, publication list) citing **reference no. 116.24 – 3.1** until **15.07.2024** preferably by email as a single PDF document to

kueck@dice.hhu.de

or in writing to:

**Heinrich Heine University Düsseldorf
Düsseldorf Institute for Competition Economics (DICE)
Attn. Prof. Dr. Jannis Kück
Universitätsstraße1
40225 Düsseldorf
Germany**

![FAMILIE IN DER HOCHSCHULE logo]

Please do not submit application materials in folders and be sure to send copies only, as documents will not be returned (they will be destroyed after the selection procedure has been completed).