

Tutors wanted for Data Science course

Job description

This winter term, the course "Data Science for Socio-Economists" will be offered for the first time. As part of the funded project "Digital and Data Literacy Lab", this teaching lab for future socio-economists will introduce students to the world of data and its analysis using many examples from business and society.

This includes issues of data management, analysis of data using different quantitative methods and statistical learning (e.g. classification - how does a spam filter work?), visualization and presentation of results, and critical reflection on data science. As tools, participants will learn the basics of the programming language R and the markup language Markdown. This will enable them to carry out their own data analyses. After the course, participants should be able to work on their own research questions.

As a team, we enjoy combining theory and practice. We encourage critical and reflective thinking. We want to work with students to break down the barriers between programming and data science.

++ We welcome applications from diverse disciplines ++

Your tasks:

- Accompany practicing
 - Help with technical issues,
 - Help with R programming (reading data, installing packages, using RStudio and Quarto),
- Helping to implement agile methods (pair programming, peer review)
- Supervision of small groups during the exercise (3-4 participants per group, 2-4 groups per tutor)
- Helping to create small teaching videos

What we offer:

- The opportunity to gain first teaching experience
- Tutor training, a dedicated team and experience in testing new teaching concepts
- Active participation in lesson planning, "being heard" and a communicative working environment where ideas can be contributed.

Contract from 1.10.2023 to 31.01.2024 as a student tutor, 2 SWS per week, payment 270,88€ per month.

Interested?

We look forward to receiving your application (cover letter and CV) **by 15 July 2022** at the latest to Lisa Wegner: lisamarie.wegner@uni-hamburg.de

Required profile & qualifications

Requirements:

- You already have some programming experience and knowledge in these areas:
 - statistics and / or econometrics
 - Programming in R
 - You have experience with Markdown and Quarto or are willing to learn them.
- You are willing to work with agile methods such as pair programming and peer review.
- You are enrolled (Bachelor or Master, not PhD) at the University of Hamburg.
- You are willing to attend weekly tutorial groups during the winter semester and help students with their questions and problems.
- Ideally, you already have some experience as a tutor. You are good at approaching others and are patient when questions are directed at you.
- Language skills: You will need a good knowledge of English to conduct the classes.