Hochschule für Technik und Wirtschaft Berlin
University of Applied Sciences

Student Job: R Shiny Apps for Innovative Teaching

HTW Berlin is looking for a student to join a project about programming apps for innovative teaching starting as soon as possible at 40 hours per month.

Aim of the project is to build up a library of interactive visualisations with R-Shiny to support teaching statistics and data mining. The library will be made available to all students and lecturers at HTW Berlin. The successful candidate will work with another student and will be supervised by Prof. Dr. Andre Beinrucker (Statistics in Economics) and Prof. Dr. Martin Spott (Data Science in Business Computing).

Complex statistical concepts will be made more accessible with the use of interactive, visual simulations. These support students in applying research-based learning techniques, e.g. exploring statistical models by interacting with them or with underlying data in an application and observing the changes. The simulations will be provided on a web site as so-called R-Shiny-Apps that can be used on a variety of devices like laptops and smartphones, here are two simple examples: http://tiny.cc/regress , https://tinyurl.com/histogrambin .

Your Job

- Implementation of R-Shiny-Apps based on given specifications
- Deployment of the Apps on a Server at HTW Berlin

Your Profile

- Experience and interest in programming in the language R and the package R Shiny
- Knowledge of statistics at university level

Our offer:

- Work on innovative and impactful tasks to foster innovative teaching
- Opportunity (and obligation) to broaden your knowledge and skills “on the job” by self-studying, free access to www.datacamp.com, we will share our learnings in the project team
- Possibility to work from home at self-determined working hours

The position will be remunerated based on the students’ pay tariff in Berlin (TV-Stud Berlin), currently at 12.68€ per hour with 30 payed vacation days per year.

Please send your short CV (1-3 pages) as pdf attached to an e-mail with a few lines about why you would like to join us to Prof. Dr. Andre Beinrucker until **15 October 2021**: andre.beinrucker@htw-berlin.de. Applications will be evaluated as soon as they are received. We will invite successful applicants to an interview via video conference.