

Student assistant (f/m/d; 8-12h/week) to assist in the development of the mlr3 machine learning framework in R

We are recruiting for the position of a student assistant (f/m/d) starting as soon as possible for the duration of 6 months, with the possibility for extension.

The working hours can be chosen somewhere between 8-12 h per week.

What you will do

The offered position will be at the Chair for Statistical Learning and Data Science at the Ludwig Maximilians University (LMU). In close collaboration with [Roche](#), we are extending the [mlr3 ecosystem](#) to functional data. The mlr3 ecosystem consists of a collection of open source R packages, providing a unified interface to machine learning in the R language. The extension to functional data analysis is the [mlr3fda](#) package.

Your task would be to assist in the continued development of the mlr3fda R package, which could include:

- Implementing new features
- Writing unit tests
- Writing / improving documentation
- Writing notebooks / vignettes that illustrate the functionality of the mlr3fda package

After the initial release of the mlr3fda package, it is also possible to work on other packages of the mlr3 ecosystem.

What you should (ideally) have

- Good programming skills and experience in the R language. This means that you should know what a unit test is and be able to correctly implement and test software.
- Some (user) experience with mlr3
- Enrollment as a student in the field of statistics, mathematics, data science, computer science, or similar (at least 5th semester Bachelor's)
- Good knowledge of Machine Learning (at least Introduction to Machine learning lecture or similar)
- Experience developing R packages would be helpful
- Experience working with git and GitHub would also be beneficial

What you will gain

- Get a better understanding of mlr3 and its extensions such as mlr3pipelines
- Become more familiar with good software engineering practices
- Learn from more experienced programmers
- Improve your programming skills by getting code reviews
- Improve your understanding of functional data

Applying

If you are interested in the position, please send a cover letter and CV in a single PDF file to Sebastian Fischer via sebastian.fischer@stat.uni-muenchen.de.

Important: Please also include code that you have written and are proud of, for example via a GitHub Link. We look forward to receiving your application!

Applications will be reviewed as they are received and the review will continue until the position is filled.