



## HiWi jobs in statistical model-data integration

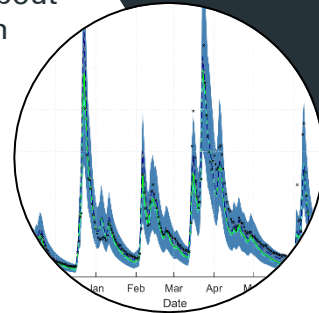
### HiWi (scientific assistant) positions available!

SimTech's independent research group on statistical model-data integration is looking for student helpers in their BSc or MSc studies.

Are you interested in supporting cutting-edge research projects about model evaluation, uncertainty assessment, and data-driven approaches in the context of hydro(geo)logical modeling?

Then send us your application with a description of relevant domain-specific knowledge, transcript of records, experience with coding, fields of interest, and targeted hours per month.

We are looking forward to hearing from you!



### Ongoing Projects:

- [GeoMod4Future: Sustainable modeling for the geosciences](#)
- [Surrogate modeling for complex biological systems](#) (PN2-7)
- [Diagnostic evaluation of hybrid hydrological models based on information theory](#) (PN6-A4)
- Bayesian updating in the presence of model errors

### Potential Tasks (will be a subset of these, depending on the respective topic)

- Literature research
- Implementation of statistical methods in MATLAB, Python or Julia
- Adaptation of existing code
- Tests, validation and documentation of code
- Demonstration on case study data
- Visual presentation of results

### Desireable Skills

- Experience with coding in MATLAB, Python, R, or Julia
- Knowledge of hydrology, geology, statistics, and/or machine learning

### Advisor

- Dr. Anneli Guthke (Independent Research Group Leader for Statistical Model-Data Integration, SimTech)



**Apply now!**

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