**PostDoc Position (24 Months)** or PhD (36 Months) in the **Laboratory for Mental Health Mapping, University of Tübingen** - the lab: https://mhm-lab.github.io

We seek a motivated Postdoctoral Researcher or PhD candidate with expertise in time series analysis, dynamic systems, and/or machine learning to contribute to a ***BMBF-funded project*** on Long COVID and digital phenotyping. The candidate will investigate individual differences in Long COVID by integrating ecological momentary assessment (EMA), imaging biomarkers, and machine learning, analyzing large-scale datasets and incorporating physiological markers (e.g., heart rate, activity, location) from mobile devices.

**Key Responsibilities**
- Developing psychometric network models for normative prediction.
- Creating normative models for patient trajectories using generative approaches.
- Implementing these models on large clinical and EMA databases.
- Disseminate a research paper on the heterogeneity of Long COVID patients.

**Qualifications**
- PhD (or near completion) in data science, computer science, neuroscience, psychology, or related fields.
- Expertise in machine learning, data analysis, or statistical modeling.
- Experience with big data in health contexts; familiarity with digital phenotyping is a plus.
- Strong communication skills and ability to collaborate.

**What We Offer**
- A supportive research environment with access to computational resources for large-scale projects.
- Collaboration with international experts in digital health and machine learning.
- Opportunities to publish in high-impact journals and contribute to innovative mental health research.

**The Team:** You will join an interdisciplinary group led by Dr. Wolfers, collaborating with leading experts in Germany and internationally, including Dr. Dinga (machine learning in psychiatry) and Prof. Hauser (digital phenotyping). Collaboration with Prof. Durstewitz (dynamic systems modeling) will support your research. You'll benefit from a vibrant research environment with excellent opportunities for career development.

**Application Process:** Applications are open now. Submit your CV, motivation letter, and references to dr.thomas.wolfers@gmail.com  First interviews will be scheduled after October 15, 2024, until the position is filled.
**Position Duration**: 24 months (PostDoc) / 36 months (PhD)
**Salary**: TV-L E13 (German Public Service Salary Scale)
**Start Date**: Earliest November 1, 2024.