

Kolloquium „Statistische Methoden in der empirischen Forschung“

Wann: 04. Februar 2025, 17:00 – 18:30 Uhr

Wo: [Campus Charité Mitte | Raum 02.002 | Sauerbruchweg 3, 10117 Berlin](#)

Online-Übertragung: der Link wird auf der [Website](#) zur Verfügung gestellt

Vortragssprache: Englisch

Georg Zimmermann & Arne Bathke (Universität Salzburg)

Mozart & the Life Sciences: Rare diseases, combined nonparametric effects for more precise inference, and an application in arts & music therapy

We start with demonstrating the application and usefulness of recently developed methods, which are based on the nonparametric relative effect and related nonparametric effect measures, in research on rare diseases.

Then, we introduce a novel nonparametric effect measure and combine it with the traditional effect measures in order to achieve more precise and informative inference. The resulting procedures are particularly useful in small sample settings in the Life Sciences. The second part of our presentation will discuss the application to art and music therapy and its effects on health – beyond the Mozart effect.