

## **Kolloquium „Statistische Methoden in der empirischen Forschung“**

Wann: 12. Januar 2021, 17:00 – 18:30 Uhr

Wo: Online<sup>1</sup>

**André Karch (Universität Münster)**

### **Chancen und Herausforderungen in der Modellierung der Infektionsdynamik des SARS-CoV-2**

Results of dynamic mathematical models simulating the spread of infections in populations have been featured intensively in the media during the first wave of the SARS-CoV-2 pandemic. In this talk I will discuss the chances and limitations of using dynamic mathematical models in the field of public health decision-making during an early phase of a pandemic. I will present the methodology behind these models, and specifically focus on how assumptions about heterogeneity in effective spreading and contact behaviour affect modelling results and public health conclusions. For this, I will present results from the COVIMOD study, an ongoing contact behaviour survey performed by our group in Germany.

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<sup>1</sup> <https://www.vetmed.fu-berlin.de/einrichtungen/institute/we16/kolloquium/index.html>