

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

Wann: 22. Oktober 2024, 17:00 – 18:30 Uhr

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

Vortragssprache: Englisch

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### **Using contact tracking apps during epidemics: Insights from a new tool to reduce and understand the transmission of respiratory pathogens**

Digital contact tracing is a public health tool developed and deployed worldwide during the COVID-19 pandemic. Contact-tracing apps measure proximity and duration of close contacts, allowing individuals who have been exposed to SARS-CoV-2 to be rapidly notified when cases are confirmed. Here we present the main empirical insights from the NHS COVID-19 app used in England and Wales. First, we provide estimates of the epidemiological impact of this intervention. Second, such an app provides a novel measurement tool for precision epidemiology, revealing individual and population determinants of transmissions. Third, the app's capabilities for precision epidemic surveillance at scale also offered unprecedented near-real-time insights into epidemic dynamics.