



EINLADUNG ZUM KOLLOQUIUM

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(Minnesota)

Replication Is for Meta-analysis

The replication or reproducibility crisis in psychological science has led to renewed attention to philosophical aspects of its methodology. Psychologists' justification for the importance of replication in their discipline has so far relied on claims about the importance of replication in science in general, often drawing on the "big theory" philosophy of science of Popper and Lakatos. These general claims, however, are difficult to sustain in light of the diversity of scientific investigation across disciplines and the well-known problems that "big theory" faces.

I expound and defend instead a more local account of the role of replication for psychological science, one that depends on that science's epistemic goals, institutional context, and their interconnections. (If time permits and interest warrants, I will briefly contrast the situation for psychological science with that of astrophysics.) Not only does this new account provide better grounds for meeting the aforementioned challenges to direct replication's significance, it also suggests concrete constraints on how replication should be measured.

Samuel C. Fletcher is Assistant Professor in the Department of Philosophy at the University of Minnesota, Twin Cities, a Resident Fellow of the Minnesota Center for Philosophy of Science, and an External Member of the Munich Center for Mathematical Philosophy, Ludwig-Maximilians-Universität. He is also on the leadership team for the the interdisciplinary collaborative project on "The Many Faces of Reproducibility" at the University of Minnesota, which is involved in an exploration of the different facets of the reproducibility crisis across the social, behavioral, and natural sciences. Much of his work is concerned with the foundations of physics and of statistics, and how problems in these fields inform and are informed by broader issues in the philosophy of science.

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18 Uhr

ZOOM-Meeting-Vortrag

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