Department of Economics – Neuroeconomics Seminar

November 30, 2023 17:00 - 18:00

Eric Schulz

Machine Psychology

Large language models are on the cusp of transforming society while they permeate into many applications. Understanding how they work is, therefore, of great value. We propose to use insights and tools from psychology to study and better understand these models. Psychology can add to our understanding of LLMs and provide a new toolkit for explaining their behavior by providing theoretical concepts, experimental designs, and computational analysis approaches. This can lead to a machine psychology for foundation models that focuses on computational insights and precise experimental comparisons instead of performance measures alone. I will showcase the utility of this approach by showing how current LLMs behave across a variety of cognitive tasks, including economic decision making and repeated games, as well as how one can make them more human-like by fine-tuning on psychological data directly. This, in turn, could open the path toward a foundation model of the behavioral sciences more generally."

Zoom Link:

https://uzh.zoom.us/j/66083933314?pwd=SnpXTCswQ05DSGtCTTc3OTRTMVBRdz09
Meeting ID: 660 8393 3314