Colloquia Treverensia

Fachbereich I - Psychologie

Prof. Dr. Clemens Stachl

Institute of Behavioral Science & Technology
University of St. Gallen

Associate Professor Clemens Stachl is the Director of the Institute of Behavioral Science and Technology at the University of St. Gallen in Switzerland. He studied Psychology at the University of Graz in Austria before pursuing his PhD in Psychology and Statistics at the Ludwig-Maximilians Universität München in Germany, where he also completed two years of postdoctoral research. During this time, he worked both in academia and as a researcher in industry in Ingolstadt. Following his academic career in Germany, Stachl held a postdoctoral position at Stanford University in the United States, before joining the University of St. Gallen in his current role. Stachl's research focuses on studying human behavior in naturalistic settings, utilizing digital tools to collect and analyze behavioral data. His work explores how digital traces can help understand psychological characteristics, such as personality traits, and their relation to economic outcomes. By combining traditional psychological approaches with large-scale data and predictive modeling techniques, his research offers insights into how technology can enhance our understanding of behavior. Stachl's research is supported by numerous public and private funding organizations across Germany, Switzerland, and the United States.

Investigating Psychological Characteristics with Mobile Technologies and Machine Learning

Mobile technologies, such as smartphones, offer a powerful means of capturing rich, real-time behavioral data in everyday settings. In this talk, I explore how data from mobile devices - such as communication patterns, social interactions, physical activity, and app usage - can be utilized to predict psychological traits, including personality, affect, and cognitive abilities. I will present key methodologies for processing and interpreting this data, address the challenges related to privacy, and examine the potential for personalized psychological interventions. Empirical findings will demonstrate how machine learning models can predict psychological outcomes, while highlighting current limitations and future directions for research in this emerging field.

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