Kognitionswissenschaftliches Kolloquium

Sommersemester 2020, Zeit: Donnerstag 16 h ct
Videokonferenz

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<tr>
<td>14.05.2020</td>
<td>Dr. Timo Stein (Group Brain &amp; Cognition, University of Amsterdam): Studying conscious and unconscious perception: Problems, pitfalls, and lessons I’ve learned.</td>
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The scope of unconscious processing is highly debated, with estimates ranging from basic low-level perceptual processing to full-blown high-level cognition. Here, I illustrate problems and pitfalls in studying unconscious visual perception with recently collected data from psychophysics and fMRI. Results show that (a) seemingly striking high-level effects often have mundane low-level explanations; (b) one of the most widely adopted experimental approaches cannot provide evidence for unconscious processing; and (c) different measures of conscious awareness result in different estimates of unconscious processing. To address some of these issues, I develop a novel experimental approach and demonstrate how it can distinguish between functions that do and do not require awareness. Results reveal that while some perceptual integration can occur unconsciously, top-down attention requires awareness, thus supporting a more nuanced view of the scope of unconscious processing. Fulfilling the most rigorous methodological criteria, this novel paradigm equips scientists with a simple and powerful experimental approach to dissociate conscious and unconscious processing.

Das Forschungskolloquium Kognitionswissenschaft findet aufgrund der Pandemie dieses Semester per Videokonferenz in Zoom statt: https://zoom.us/j/96813693171?pwd=b3RTekdpajJoZldXYUdrVXpOVm84QT09 Meeting ID: 968 1369 3171 Password: 329760

Hintergrundinformationen zur Anerkennung der Teilnahme erhalten Sie in dem zugehörigen Ilias Raum "Forschungskolloquium Kognitionswissenschaft": https://ovidius.uni-tuebingen.de/ilias3/goto.php?target=crs_2469596&client_id=pr02

Organisation: Elisabeth Hein und Volker Franz

Gäste sind herzlich willkommen!