Adaptive coding for dynamic Bayesian inference

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Organisms must infer the properties of their ever-changing environment from sensory stimuli. Representing these stimuli is complicated, costly and requires metabolic resources. In this talk I will discuss how neurons and other biological systems might minimize the effort to accurately represent sensory signals without losing their ability to keep the track of the changing environment. Our apporach blends dynamic Bayesian inference, information theory and a lot of speculation.

Monday, December 7, 2020 02:00pm - 03:00pm

Online Event ()

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.