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Title: Computational modelling in neuroscience: a critical overview

Abstract: Neuroscience, which attempts to study the links between brain and mind, is a uniquely challenging discipline —not only because the brain is bafflingly complex but also because of the difficulties posed by the fact that this is the only field where the object and the subject of the study are the same thing. Here I will succinctly discuss the various strains of modelling used in modern neuroscience for a general audience, commenting on their powers and limitations.