Is It Time for a Tri-Process Theory?
Distinguishing the Reflective and the Algorithmic Mind
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In this talk I explore whether System 2 in dual-process theory needs to be partitioned into two mechanisms, here labelled the reflective mind and the algorithmic mind. I conjecture, based on extant theory and on empirical studies of individual differences in reasoning, about the cognitive operations in the algorithmic mind (and also in the reflective mind) that support human rationality. I will use the algorithmic/reflective distinction to develop a taxonomy of cognitive errors that are made on tasks in the heuristics and biases literature.