

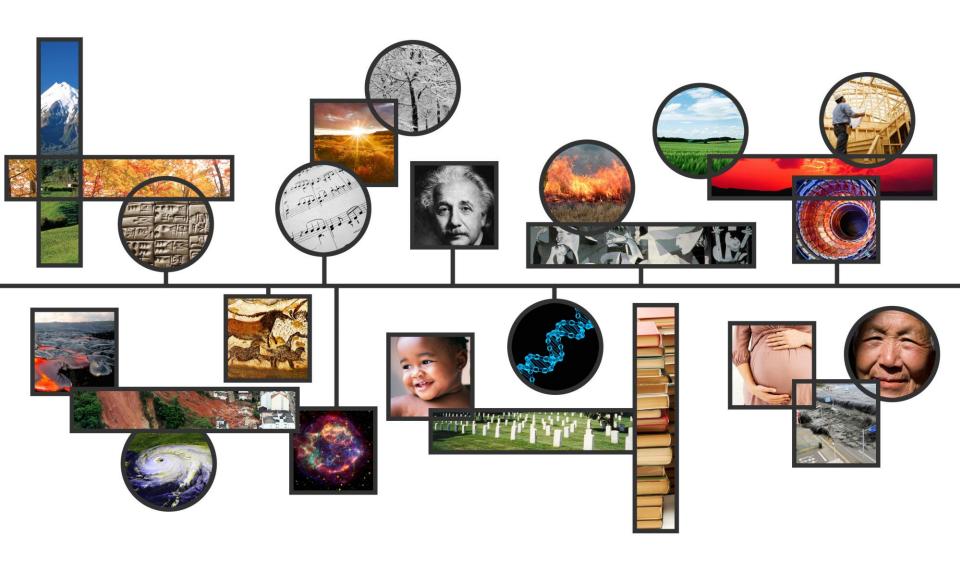




What is and what is NOT anticipation?

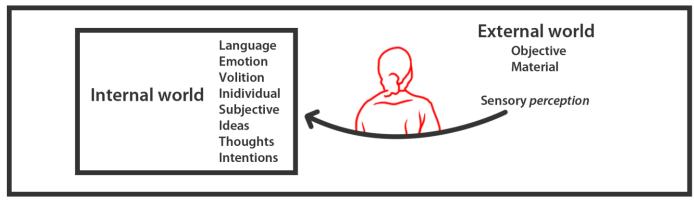


CHANGE - The mother of all that is



Knowing about the changing world is knowing about our own change as we examine reality



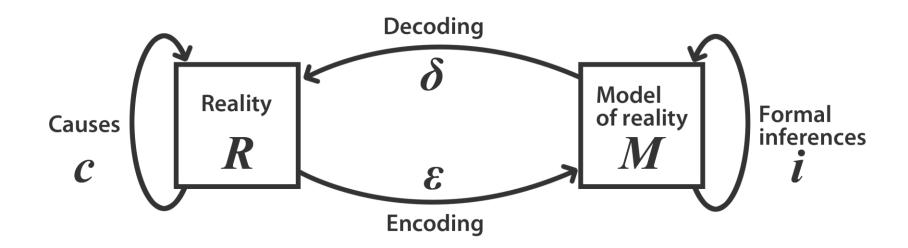


Universe

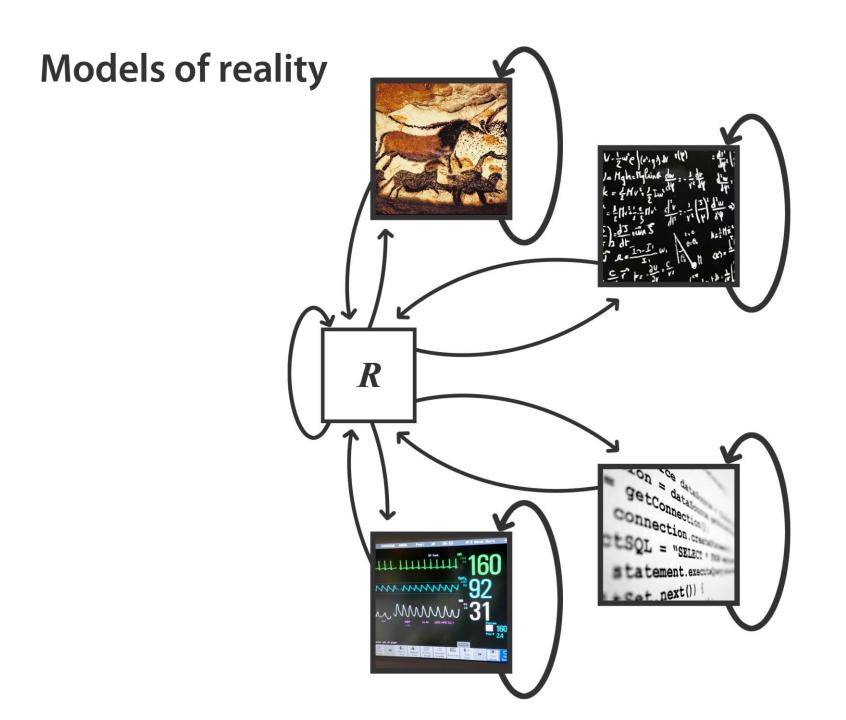
Nadin: The human being receives information and generates information



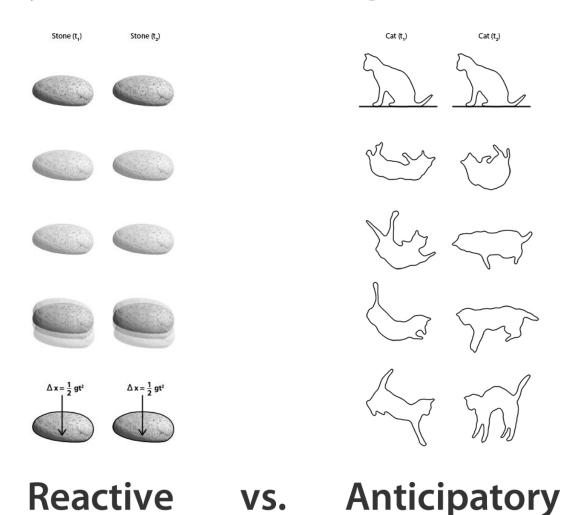
Mapping from reality to knowledge and back to reality



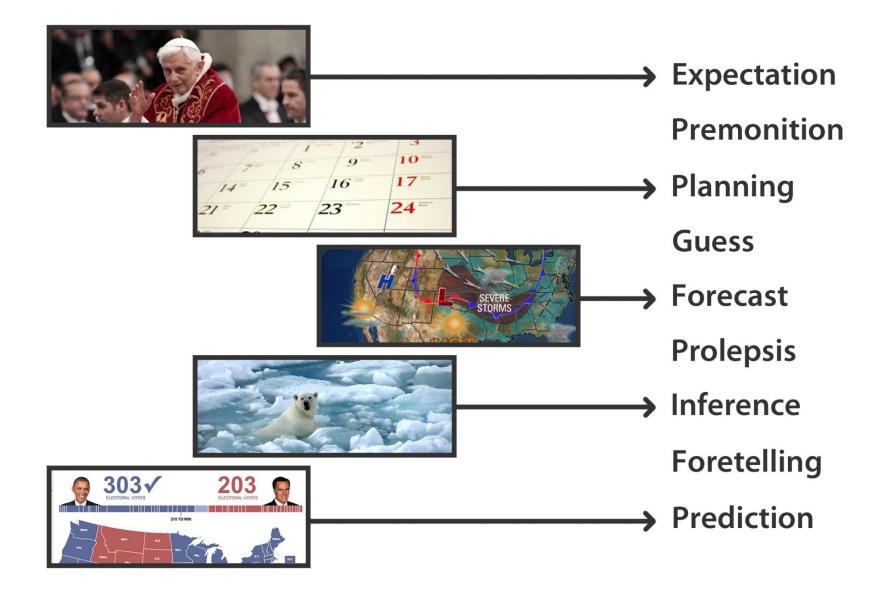
$$c = \delta \circ i \circ \varepsilon$$



Dynamics of the physical is different from the dynamics of the living



Dealing with the future



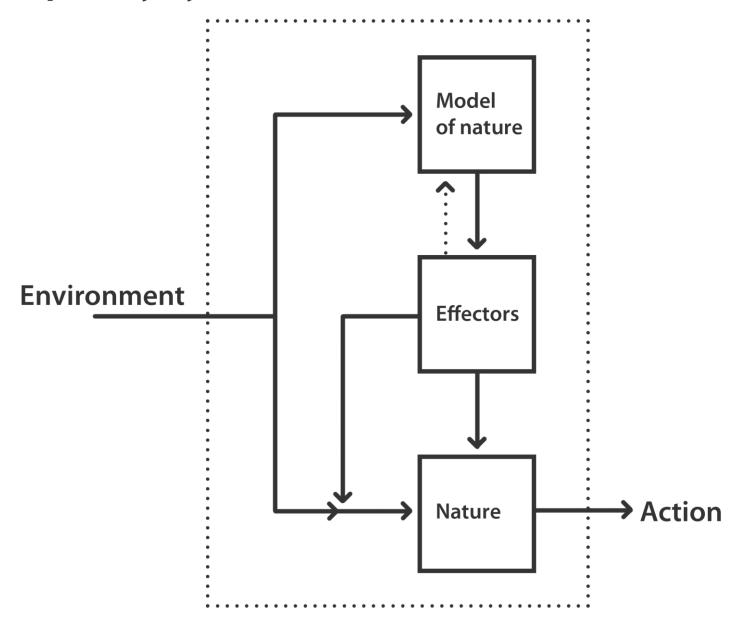
Think of the economy as being more like a cat than a washing machine

(cf. Nassim Nicholas Taleb—Learning to Live with Volatility, Nov. 2012)



Do you want to have good economic predictions?

Anticipatory system



Anticipation is always expressed in action









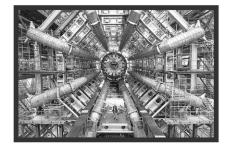




Hacking is anticipatory

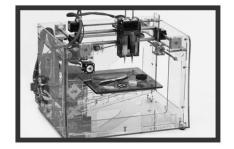






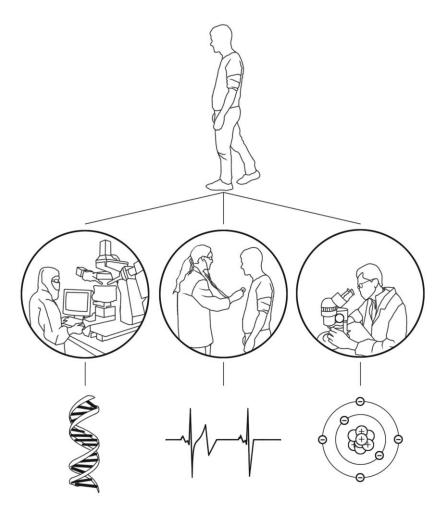








Reductionism: project a view upon the world and expect the world to behave accordingly



Who wants us to behave like a machine?

Limits of prediction

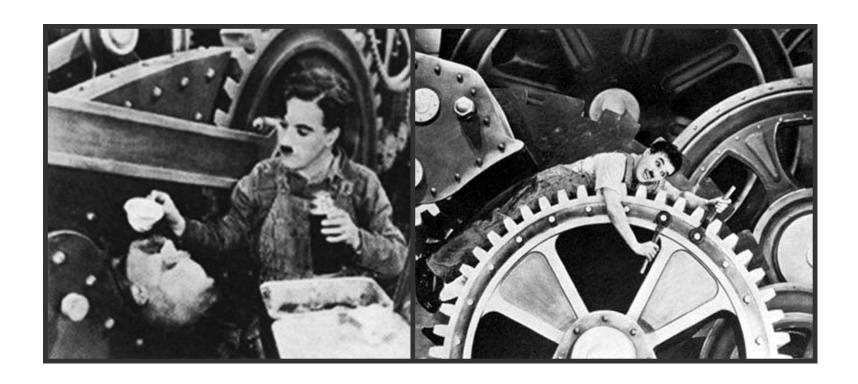






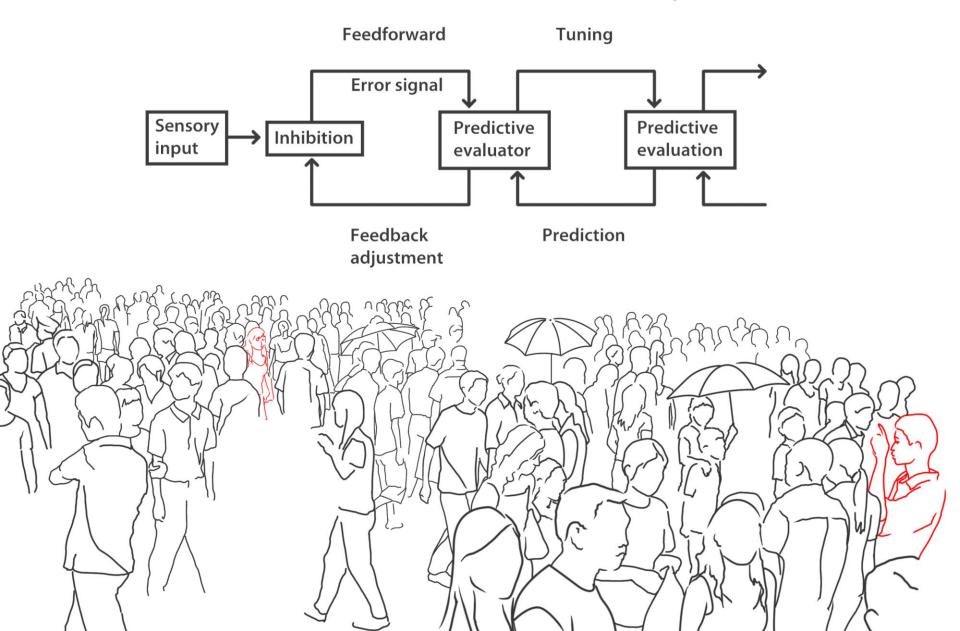
Living under the conditions of risk

The consequences of ignoring anticipation

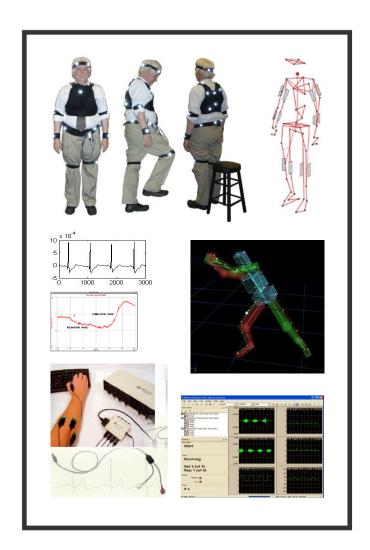


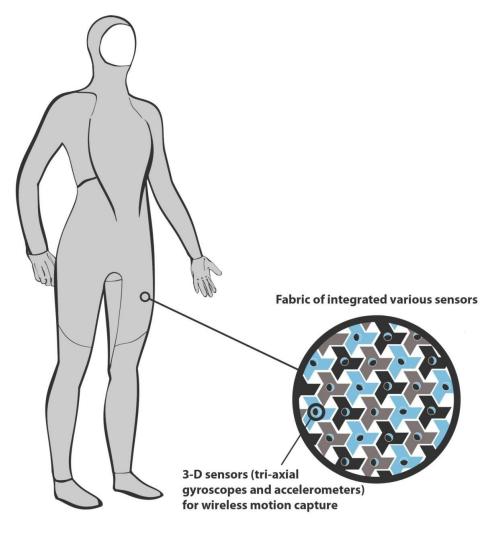
There is no creativity in the absence of anticipation.

Information from the world - sensory perception



AnticipationScope [™] and Anticipatory Profile [™]





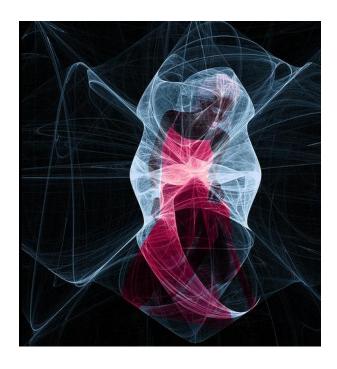
Present

Future

Anticipation—A New Frontier in Science

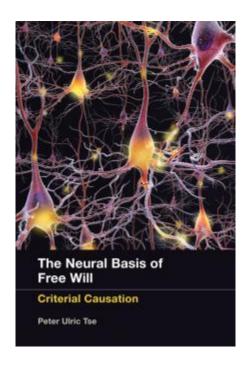
Determinism meets non-determinism

New Research Suggests Humans Can Sense Future Events Without Any Known Clues



Julia Mossbridge, lead author of the study and research associate in the Visual Perception, Cognition and Neuroscience Laboratory at Northwestern University

Jeffrey M. Zacks, PhD Washington Universisty St. Louis), Predictive Perception, *Journal of Cognitive Neuroscience*



Peter Ulric Tse is Professor of Cognitive Neuroscience in the Department of Psychological and Brain Sciences at Dartmouth College