

1. Record Nr.	UNINA9910424568803321
Autore	Arecchi Fortunato Tito
Titolo	Cognizione e realtà // Fortunato Tito Arecchi
Pubbl/distr/stampa	Firenze : , : Firenze University Press, , 2018
Descrizione fisica	1 online resource (150 pages) : illustrations; digital, PDF file(s)
Collana	Studi e saggi ; ; 191
Disciplina	156
Soggetti	Psychology, Comparative Evolution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliography and index.
Sommario/riassunto	Cognition implies perception and judgement. Perception consists in interpreting a sensory stimulus: it is a common process in every animal with a brain, and can be described as a Bayesian inference where the interpretive algorithm is stored in long-term memory. Judgement, on the other hand, is related to the comparison between two perceptions which are coded in a language, in that short-term memory presents the first perception once again and compares it with the second. This operation is called inverted Bayes' theorem and while it does not presuppose an algorithm, it builds a new one using comparison. The book shows how the algorithmic leaps related to linguistic operations capture aspects of reality which cannot be reached through Bayesian chains of inference following the same algorithm.