

Record in the Commens Bibliography. Retrieved from
http://www.commens.org/bibliography/journal_article/vitti-rodrigues-mariana-emmeche-claus-2017-abduction-can-n-on-human, 29.12.2025.

Type: Article in Journal

Author: Vitti-Rodrigues, Mariana
Emmeche, Claus

Title: Abduction: Can Non-human Animals Make Discoveries?

Year: 2017

Journal: Biosemiotics

Volume: 10

Issue: 2

Pages: 295-313

Keywords: Information, Abduction, Problem solving, Animal cognition, Corvids' intelligence

Abstract: The aim of this paper is to investigate the relationship between information and abductive reasoning in the context of problem-solving, focusing on non-human animals. Two questions guide our investigation: (1) What is the relation between information and abductive reasoning in the context of human and non-human animals? (2) Do non-human animals perform discovery based on inferential processes such as abductive reasoning? In order to answer these questions, we discuss the semiotic concept of information in relation to the concept of abductive reasoning and, more specifically, to the notion of manipulative abduction proposed by Magnani (2009). Finally, we investigate a case study of corvids' intelligence, namely, their capacity of causal cognition.

ISSN: 1875-1350

DOI: <https://doi.org/10.1007/s12304-017-9300-0>

Language: English