

1. Record Nr.	UNINA9910483485203321
Titolo	Abduction in Cognition and Action : Logical Reasoning, Scientific Inquiry, and Social Practice / / edited by John R. Shook, Sami Paavola
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-61773-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (298 pages)
Collana	Studies in Applied Philosophy, Epistemology and Rational Ethics, , 2192-6263 ; ; 59
Disciplina	160
Soggetti	Knowledge, Theory of Cognitive psychology Artificial intelligence Sociology - Methodology Epistemology Cognitive Psychology Artificial Intelligence Sociological Methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Are There Types of Abduction? An Inquiry into a Comprehensive Classification of Types of Abduction -- Chapter 2: Practical Abduction for Research on Human Practices: Enriching Rather than Testing a Hypothesis -- Chapter 3: Abductive Spaces: Modeling Concept -- Framework Revision with Category Theory -- Chapter 4: Abduction as "Leading Away": Aristotle, Peirce, and the Importance of Eco-Cognitive Openness and Situatedness -- Chapter 5: Methodeutic of Abduction -- Chapter 6: Abductive Regression.
Sommario/riassunto	This book gathers together novel essays on the state-of-the-art research into the logic and practice of abduction. In many ways, abduction has become established and essential to several fields, such as logic, cognitive science, artificial intelligence, philosophy of science, and methodology. In recent years this interest in abduction's many aspects and functions has accelerated. There are evidently several

different interpretations and uses for abduction. Many fundamental questions on abduction remain open. How is abduction manifested in human cognition and intelligence? What kinds or types of abduction can be discerned? What is the role for abduction in inquiry and mathematical discovery? The chapters aim at providing answer to these and other current questions. Their contributors have been at the forefront of discussions on abduction, and offer here their updated approaches to the issues that they consider central to abduction's contemporary relevance. The book is an essential reading for any scholar or professional keeping up with disciplines impacted by the study of abductive reasoning, and its novel development and applications in various fields.

---