

1. Record Nr.	UNINA9910821030103321
Titolo	Shifting the paradigm : alternative perspectives on induction // edited by Paolo C. Biondi and Louis F. Groarke ; contributors, Paolo C. Biondi [and fifteen others]
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2014 ©2014
ISBN	1-306-93580-6 3-11-036911-7 3-11-034777-6
Descrizione fisica	1 online resource (544 p.)
Collana	Philosophische Analyse = Philosophical Analysis, , 2198-2066 ; ; Volume / Band 55
Disciplina	161
Soggetti	Induction (Logic) Reasoning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Frontmatter -- Acknowledgements -- Contents -- Introduction / Biondi, Paolo C. / Groarke, Louis F. -- Hume's Disappointingly Accurate Conclusions: General and Specific / Loptson, Peter -- Hume and Aristotle on Induction: A Comparative Study / Biondi, Paolo C. -- Intelligibility / Dougherty, Jude P. -- Induction, Science, and Knowledge / Kelly, James -- Induction in the Socratic Tradition / McCaskey, John P. -- Socrates and Induction: An Aristotelian Evaluation / Novak, Joseph A. -- The Problem of Example / Schollmeier, Paul -- The Object of Aristotelian Induction: Formal Cause or Composite Individual? / Byrne, Christopher -- From Particular to Universal: Drawing upon the Intellectual Milieu to Understand Aristotle and Euclid / Raymond, Dwayne -- Not Induction's Problem: Aquinas on Induction, Simple Apprehension, and Their Metaphysical Suppositions / Kostelecky, Matthew -- Grounding Necessary Truth in the Nature of Things: A Redux / Rasmussen, Douglas B. -- Narrative and Direct Experience: A Dialogue on Metaphysical Realism / McCullough, Ernest John -- Goethe and Intuitive Induction / Ziguras, Jakob -- Lonergan's Solution to the "Problem of Induction" / Meynell, Hugo -- Induction as a Pragmatic

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Sommario/riassunto

Induction, which involves a leap from the particular to the universal, has always been a puzzling phenomenon for those attempting to investigate the origins of knowledge. Although traditionally accepted as the engine of first principles, the authority of inductive reasoning has been undermined in the modern age by empiricist criticisms that derive notably from Hume, who insisted that induction is an invalid line of reasoning that ends in unreliable future predictions. The present volume challenges this Humean orthodoxy. It begins with a thorough consideration of Hume's original position and continues with a series of state-of-the-art essays that critique the received view while offering positive alternatives. The experts assembled here draw on a perennial historical tradition that stretches as far back as Socrates and extends through such luminaries as Aristotle, Aquinas, Whewell, Goethe, Lonergan, and Rescher. They inquire into the creative moment of intellectual insight that makes induction possible, consider relevant episodes from the history of science, advance scholarly exegeses of historical interpretations of inductive reasoning, and reflect critically on the scientific and logical ramifications of epistemological and metaphysical realism.
