1. Record Nr. UNINA9910791064603321 Autore Harris Errol E. Hypothesis and perception: the roots of scientific method / / Errol E. Titolo Harris London;; New York:,: Routledge,, 1970, 2013 Pubbl/distr/stampa **ISBN** 1-138-87116-8 1-315-83001-9 1-317-85159-5 1-317-85160-9 Descrizione fisica 1 online resource (400 p.) Collana Muirhead Library of Philosophy;; Volumes 17 Disciplina 501 Soggetti Science - Methodology **Hypothesis** Perception Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Cover: Half Title: Title Page: Copyright Page: Original Title Page: Nota di contenuto Original Copyright Page: PREFACE: Table of Contents: PART ONE: CRITICAL; I. PREVALENT VIEWS OF SCIENCE; i. The popular view; ii. Philosophical views: II. INDUCTION: i. Disclaimer of necessity for justification; ii. Induction and probability; iii. The pragmatic justification of induction; iv. Instrumentalism; v. New puzzles for old; vi. The unreasonableness of induction; III. THE EMPIRICIST TREATMENT OF DEDUCTION AND NECESSITY: i. Conventionalism: ii. Deduction and explanation; iii. Counterfactual conditionals; iv. Conclusion IV. EMPIRICIST REFORMERSi. Dilution of empiricism; ii. Kneale on necessity, perception and consilience; iii. Popper on falsification; (a) Basic statements; (b) Hypothetico-deductive method; PART TWO: HISTORICAL; V. NON-EMPIRICAL ASPECTS OF SCIENTIFIC PROCEDURE; i. The Copernican revolution; (a) Copernicus; (b) Tycho Brahe; (c) Kepler; (d) Galileo; (e) Newton; ii. Dalton and chemical combination; iii. The conservation of mass and energy; iv. Relativity; VI. 'DEDUCTION FROM

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