

1. Record Nr.	UNINA9910349544403321
Titolo	Scientific Discovery in the Social Sciences // edited by Mark Addis, Peter C. R. Lane, Peter D. Sozou, Fernand Gobet
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-23769-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VIII, 192 p. 6 illus., 1 illus. in color.)
Collana	Synthese Library, Studies in Epistemology, Logic, Methodology, and Philosophy of Science, , 0166-6991 ; ; 413
Disciplina	300.1 300.72
Soggetti	Philosophy and social sciences Social sciences Computer simulation Computers and civilization Philosophy of the Social Sciences Methodology of the Social Sciences Simulation and Modeling Computers and Society
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1. Introduction (Fernand Gobet, Mark Addis, Peter C. R. Lane, Peter D. Sozou) -- Part I: Methods of Scientific Discovery -- Chapter 2. Case Studies and Statistics in Causal Analysis: The Role of Bayesian Narratives (Peter Abell and Maria Koumenta) -- Chapter 3. Scale Development in Human and Social Sciences: A Philosophical Perspective (Clayton Peterson) -- Chapter 4. The Role of Imagination in Social Scientific Discovery: Why Machine Discoverers Will Need Imagination Algorithms (Michael Stuart) -- Chapter 5. The Structure of Scientific Fraud: The Relationship Between Paradigms and Misconduct (Ben Trubody) -- Part II: Discovery in Practice -- Chapter 6. Information in Financial Markets (Catherine Greene) -- Chapter 7. The Logic of Scientific Discovery in Macroeconomics (Tobias Henschen) -- Chapter 8. Discovering Solidarity: Research on Solidarity as a Case of a That-

What Discovery (Jakub B. Motrenko) -- Part III: Formalising Theories in Social Science -- Chapter 9. Syntax, Semantics and the Formalisation of Social Science Theories (Maria Dimarogkona, Mark Addis and Petros Stefaneas) -- Chapter 10. Semi-Automatic Generation of Cognitive Science Theories (Mark Addis, Fernand Gobet, Peter C. R. Lane and Peter D. Sozou) -- Chapter 11. Scientific Discovery, Process Models, and the Social Sciences (Pat Langley and Adam Arvay).

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Sommario/riassunto

This volume offers selected papers exploring issues arising from scientific discovery in the social sciences. It features a range of disciplines including behavioural sciences, computer science, finance, and statistics with an emphasis on philosophy. The first of the three parts examines methods of social scientific discovery. Chapters investigate the nature of causal analysis, philosophical issues around scale development in behavioural science research, imagination in social scientific practice, and relationships between paradigms of inquiry and scientific fraud. The next part considers the practice of social science discovery. Chapters discuss the lack of genuine scientific discovery in finance where hypotheses concern the cheapness of securities, the logic of scientific discovery in macroeconomics, and the nature of that what discovery with the Solidarity movement as a case study. The final part covers formalising theories in social science. Chapters analyse the abstract model theory of institutions as a way of representing the structure of scientific theories, the semi-automatic generation of cognitive science theories, and computational process models in the social sciences. The volume offers a unique perspective on scientific discovery in the social sciences. It will engage scholars and students with a multidisciplinary interest in the philosophy of science and social science.

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