1. Record Nr. UNINA9910131482203321 Autore Boero Riccardo Titolo Behavioral computational social science / / Riccardo Boero Pubbl/distr/stampa Chichester, England:,: Wiley,, 2015 ©2015 **ISBN** 1-119-10615-X 1-119-10617-6 1-119-10616-8 Edizione [1st ed.] Descrizione fisica 1 online resource (201 p.) Collana Wiley Series in Computational and Quantitative Social Science Classificazione MAT029000 300.72 Disciplina Soggetti Social sciences - Mathematical models Social sciences - Data processing Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Title Page: Copyright Page: Contents: Preface: Chapter 1 Introduction: Toward behavioral computational social science; 1.1 Research strategies in CSS; 1.2 Why behavioral CSS; 1.3 Organization of the book: PART I CONCEPTS AND METHODS: Chapter 2Explanation in computational social science; 2.1 Concepts; 2.1.1 Causality; 2.1.2 Data; 2.2 Methods; 2.2.1 ABMs; 2.2.2 Statistical mechanics, system dynamics, and cellular automata; 2.3 Tools; 2.4 Critical issues: Uncertainty, model communication; Chapter 3Observation and explanation in behavioral sciences; 3.1 Concepts; 3.2 Observation methods 3.2.1 Naturalistic observation and case studies 3.2.2 Surveys: 3.2.3 Experiments and quasiexperiments; 3.3 Tools; 3.4 Critical issues: Induced responses, external validity, and replicability; Chapter 4Reasons for integration; 4.1 The perspective of agent-based modelers; 4.2 The perspective of behavioral social scientists; 4.3 The perspective of social sciences in general; PART II BEHAVIORAL COMPUTATIONAL SOCIAL SCIENCE IN PRACTICE: Chapter 5Behavioral agents; 5.1 Measurement scales of data; 5.2 Model calibration; 5.2.1

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Sommario/riassunto

"This book is organized in two parts: the first part introduces the reader to all the concepts, tools and references that are required to start conducting research in behavioral computational social science. The methodological reasons for integrating the two approaches are also presented from the individual and separated viewpoints of the two approaches. The second part of the book, presents all the advanced methodological and technical aspects that are relevant for the proposed integration. Several contributions which effectively merge the computational and the behavioral approaches are presented and discussed throughout"--

"Provides a unified approach to social research, integrating both agentbased models and behavioral studies. Introduces the reader to all the concepts, tools and references that are required for conducting research in behavioral computational social science"--