1. Record Nr. UNINA9910495172803321 Autore **Chesney Thomas** Titolo Agent-based modelling of worker exploitation : slave from the machine // Thomas Chesney Pubbl/distr/stampa Cham, Switzerland: ,: Springer, , [2021] ©2021 **ISBN** 3-030-75134-1 Descrizione fisica 1 online resource (180 pages) Collana Frontiers in sociology and social research;; Volume 5 Disciplina 006.30285436 Soggetti Multiagent systems Human capital Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. This book illustrates the potential for computer simulation in the study Sommario/riassunto of modern slavery and worker abuse, and by extension in all social issues. It lays out a philosophy of how agent-based modelling can be used in the social sciences. In addressing modern slavery, Chesney considers precarious work that is vulnerable to abuse, like sweat-shop labour and prostitution, and shows how agent modelling can be used to study, understand and fight abuse in these areas. He explores the philosophy, application and practice of agent modelling through the popular and free software NetLogo. This topical book is grounded in the technology needed to address the messy, chaotic, real world problems that humanity faces-in this case the serious problem of abuse at workbut equally in the social sciences which are needed to avoid the unintended consequences inherent to human responses. It includes a short but extensive NetLogo guide which readers can use to guickly learn this software and go on to develop complex models. This is an

important book for students and researchers of computational social

science and others interested in agent-based modelling.