CONTENTS

Acknowledgements
Introduction

First Part - Models, Mechanisms and Processes
Chapter 1 - Sociology and generative models
The object of a generative model
The form of a generative model
The implementation of a generative model
Quantitative techniques
Computational methods
The mathematical language

Chapter 2 - Rethinking the Quantitative Sociology of Social Stratification
Poor theorizations
Typical debates: dimensions and measures of educational inequalities
Generative models and dimensions of educational inequalities
Theory and methods: different signs of changes
Reception of the generative thinking
Resistance to the computational methods

Second Part – Educational Stratification and French and Italian school Systems
Chapter 3 – French and Italian Educational Stratification in the nineties
Educational out and in-flows
The educational fluidity
The structure of the educational fluidity
Educational fluidity and underlying mechanisms
The frontiers of the explanatory power of the quantitative techniques

Chapter 4 – French and Italian Educational Stratification during the XX century
Diachronic educational out and in-flows
The evolution of the educational fluidity

Chapter 5 – Structure of French and Italian school system and educational stratification
French school system: history and structure
Italian school system: history and structure
School structures, subjective perceptions, and statistical regularities
Uneducated people
Compulsory education
Full secondary education
Tertiary education
The overall level of inequality

Third Part - Actions, interactions and Educational Stratification
Chapter 6 – A formal Generative Model of the Educational Stratification
The "Interdependent Educational Choice Model" (IECM)
IECM and Agent-based Models

Chapter 7 – The Emergence of French and Italian Educational Stratification
Cross-sectional empirical data and data generated by the IECM
Educational out and in-flows
The educational fluidity
Diachronic empirical data and data generated by the IECM
Diachronic Educational out and in-flows
The evolution of the educational fluidity
The IECM and the process it generates

Chapter 8 – The Emergence of the Educational Stratification in Utopia
Agents’ heterogeneity and aggregate educational out-flows
Amount of in-group dyadic interactions and aggregate educational out-flows
Heterophily of the dyadic interactions and aggregate educational out-flows
Amount of out-group dyadic interactions and aggregate educational out-flows
Virtual experiments and policy: is a link possible?

Conclusion
Annex
Bibliography
Index (authors)
Index (concepts)
Contents