

Contents

List of Figures	ix
List of Tables	xi
Preface	xiii
Introductory Summary	1
Part 1: The Topic and Related Concepts	
Chapter 1	
Stochastic Models and Changes in Industrial Structure	7
Chapter 2	
Some Basic Concepts	9
<i>Data Sources</i>	9
<i>Firm</i>	10
<i>Size</i>	11
<i>Concentration</i>	18
<i>Concluding Remarks</i>	22
Part 2: Analytical Models	
Chapter 3	
Analytical Models in Review	25
<i>Models Using Discrete Size</i>	25
<i>Models Using Continuous Size</i>	28
<i>Concluding Remarks</i>	29
Chapter 4	
A Model Using Discrete Size	31
<i>The Model of Simon & Bonini</i>	31
<i>Test Procedures for Simon & Bonini's Model</i>	33
<i>Empirical Section</i>	39
<i>Conclusions</i>	47

Chapter 5	
The Transition Process	49
<i>Estimating Transition Probabilities</i>	49
<i>Steady-State Distributions</i>	52
<i>Measures of Mobility</i>	54
<i>Empirical Section</i>	57
<i>Conclusions</i>	63
Chapter 6	
Models Using Continuous Size	65
<i>The Models</i>	65
<i>Estimation Procedures</i>	68
<i>Test Procedures</i>	70
<i>Empirical Section</i>	72
<i>Conclusions</i>	82
Part 3: Simulation Models	
Chapter 7	
Simulation	87
<i>The Simulation Technique</i>	87
<i>Two Earlier Simulation Models Related to Size Distributions of Firms</i>	89
<i>Conclusions</i>	93
Chapter 8	
A Simulation Model Using Discrete Size	95
<i>The Processes of the Model</i>	95
<i>Estimation Procedures</i>	99
<i>Validation of the Model</i>	100
<i>Forecasting Runs</i>	105
<i>Conclusions</i>	109
Chapter 9	
A Simulation Model Using Continuous Size	111
<i>The Processes of the Model</i>	111
<i>Estimation Procedures</i>	112
<i>Validation of the Model</i>	118
<i>Forecasting Runs</i>	123
<i>Concluding Remarks</i>	130

Part 4: Conclusions**Chapter 10****Conclusions and Suggestions for Future Research** 135*The Methods* 135*The Empirical Distributions* 138*Suggestions for Future Research* 139**Appendixes****Appendix A****The Computer Program Used for the Discrete
Simulation Model** 145**Appendix B****The Computer Program Used for the Continuous
Simulation Model** 151**Notes** 157**List of Designations** 165**Bibliography** 169**Author Index** 177**Subject Index** 179**About the Author** 181