

Table of Contents

1	INTRODUCTION	15
2	THE MACROECONOMICS OF (IM)MOBILITY: DOES MIGRATION MATTER FOR REGIONAL DEVELOPMENT AND ECONOMIC INTEGRATION?	23
2.1	(Im)Mobility in the neo-classical model of trade and growth: The convergence point of view	26
2.1.1	(Im)Mobility in the neo-classical model of trade	26
2.1.2	Short term effects of labour migration and the neo-classical analysis of (im)mobility	34
2.1.2.1	Labour market effects of migration	33
2.1.2.2	Labour mobility and unemployment	41
2.1.2.3	'Brain drain' in the neo-classical model	43
2.1.2.4	(Im)mobility of labour and the business cycle	45
2.1.2.5	Balance of payment effects of migration	46
2.1.2.6	Effects of migration on the public purse	47
2.1.2.7	Labour migration in historical development theories	48
2.2	Growth effects of migration in the neo-classical model: in the long run little matters	49
2.3	Departing from the basic neo-classical model: The divergence point of view	58
2.3.1	Differences in production technologies and (im)mobility	58
2.3.2	Increasing economies of scale and (im)mobility	62
2.3.3	Social externalities and (im)mobility	67
2.4	Regional development and economic geography reconsidered: The role of (im)mobility	69
2.5	Summary	76

3	WHAT DOES MACRODATA TELL? EMPIRICAL EVIDENCE ON THE IMPACT OF (IM)MOBILITY ON REGIONAL DEVELOPMENT	81
3.1	Level of development, migration and (im)mobility	84
3.2	Migration and convergence	91
3.3	Migration and capital flows	105
3.4	Economic geography of production and (im)mobility: the Finnish and the Norwegian experience	107
3.5	Summary	119
4	WHY DO PEOPLE STAY OR GO? THE MICROECONOMICS OF (IM)MOBILITY	123
4.1	Economic determinants of the migration decision	126
4.1.1	The basic push-pull framework	126
4.1.2	The 'nucleus' microeconomic model of migration	131
4.1.3	Migration costs and gravity models	133
4.1.4	Decision making under uncertainty: Harris-Todaro models and the random utility approach	135
4.1.5	Individual heterogeneity and investment considerations: the human capital model	138
4.1.6	Migration and risk	142
4.1.7	(Im)mobility as an informational problem: models of bounded rationality, job search and labour market matching	145
4.2	Multidisciplinary aspects of (im)mobility	150
4.2.1	Migration as a family decision	151
4.2.2	Migration and the social reference group	155
4.2.3	Dynamic aspects of migration and life-cycle constraints	157

4.3	Why do most people stay immobile? The insider-advantages theory of immobility	164
4.4	Is mobility an inferior good? The modified inverted-U curve hypothesis of mobility	172
4.5	Summary	174
5	IS THERE A VALUE OF IMMOBILITY? EMPIRICAL EVIDENCE ON THE MICROECONOMICS OF (IM)MOBILITY	177
5.1	Globalisation and (im)mobility	177
5.2	How (im)mobile are people?	181
5.3	Determinants of migration and immobility: Testing the insider advantages approach on Swedish evidence	188
5.3.1	The data	190
5.3.2	Immobility in Swedish labour markets	192
5.3.3	Stayers and movers in Sweden	198
5.3.4	Determinants of the probability of staying: A bivariate probit analysis of Swedish microdata	207
5.3.4.1	The model	207
5.3.4.2	Econometric issues	209
5.3.4.3	Estimation results	212
5.3.4.3.1	Duration of stay and insider advantages	212
5.3.4.3.2	Traditional determinants of migration	221
5.3.4.3.3	Life course events	224
5.3.4.3.4	Place of birth and occupation	226
5.3.4.3.5	Group-specific heterogeneity	227
5.3.4.3.5	Business cycle effects on (im)mobility	232
5.4	The value of immobility revised	236
5.5	Summary	238

6	MOBILE FACTORS AND IMMOBILE LOCATIONS: ON THE ECONOMIC POLICY OF GLOBALISATION, REGIONAL DEVELOPMENT AND (IM)MOBILITY	243
6.1	Mobile factors and immobile locations in an open economy	244
6.2	Locational competition, (im)mobility and the scope for economic policy making	251
6.2.1	Policy target: maximising the welfare of immobile 'club members'	251
6.2.2	(Im)mobility and the optimal level of economic policy making	255
6.2.3	Policy instruments: financing public expenditures if production factors are (im)mobile	267
6.3	Is immobility inefficient?	272
6.4	Summary	274
7	CONCLUSIONS	279

List of Figures, Tables and Maps

a) Figures

FIGURE 1:	MOBILITY IN THE NEO-CLASSICAL H-O-S MODEL	29
FIGURE 2:	EFFECTS OF MIGRATION ON ECONOMIC DEVELOPMENT - AN OVERVIEW	33
FIGURE 3:	DIRECT LABOUR MARKET EFFECTS OF MIGRATION	35
FIGURE 4:	LONG-TERM GROWTH, CONVERGENCE AND MIGRATION IN THE NEO-CLASSICAL MODEL OF DEVELOPMENT	51
FIGURE 5:	RETURNS TO SCALE, FACTOR MOBILITY AND CENTRE-PERIPHERY SCHEMES	65

FIGURE 6: REGIONAL DEVELOPMENT, ECONOMIC INTEGRATION AND MIGRATION	74
FIGURE 7: MAJOR IMMIGRATION AND EMIGRATION COUNTRIES AND ECONOMIC DEVELOPMENT	83
FIGURE 8: LONG-RUN DEVELOPMENT OF NET MIGRATION IN FOUR EUROPEAN COUNTRIES	85
FIGURE 9: GDP PER CAPITA LEVEL AND NET MIGRATION FLOWS	86
FIGURE 10: DEVELOPMENT CONVERGENCE BETWEEN INDUSTRIALISED COUNTRIES	94
FIGURE 11: GDP PER CAPITA GROWTH RATES AND NET MIGRATION RATES	98
FIGURE 12: COMPONENTS OF POPULATION CHANGE IN INDUSTRIALISED COUNTRIES	103
FIGURE 13: NET MIGRATION AND THE CAPITAL ACCOUNT 1980-95	106
FIGURE 14: NET MIGRATION AND FOREIGN DIRECT INVESTMENT FLOWS 1980-95	106
FIGURE 15: GEOGRAPHIC CONCENTRATION OF PRODUCTION IN FINLAND AND NORWAY	108
FIGURE 16: INDIVIDUAL DECISION MAKING WITHIN A GENERAL FRAMEWORK OF MIGRATION	128
FIGURE 17: THE INSIDER ADVANTAGES THEORY OF IMMOBILITY	166
FIGURE 18: MIGRATION AND DEVELOPMENT - THE MODIFIED INVERTED U-CURVE	174
FIGURE 19: INTERNATIONAL VERSUS INTERNAL EMIGRATION IN SELECTED EUROPEAN COUNTRIES 1985-90	181

FIGURE 20: EMIGRATION PROPENSITIES IN SELECTED EUROPEAN COUNTRIES 1985-94	182
FIGURE 21: INTERNAL EMIGRATION PROPENSITIES IN NORDIC COUNTRIES 1970-95	184
FIGURE 22: EMIGRATION AND NET MIGRATION PROPENSITIES IN SWEDEN 1964-1995	185
FIGURE 23: NET MIGRATION IN EUROPEAN COUNTRIES 1960-95	187
FIGURE 24: EMIGRATION PROPENSITIES IN SELECTED EUROPEAN COUNTRIES 1850-1993	187
FIGURE 25: MIGRATION BETWEEN COUNTIES AND MUNICIPALITIES IN SWEDEN 1967-95	191
FIGURE 26: MOBILITY BY DISTANCE OF MOVES IN SWEDEN	193
FIGURE 27: STAYERS AND MOVERS BETWEEN REGIONAL LABOUR MARKETS BY AGE, 1994.	199
FIGURE 28: PROPENSITY TO STAY IN 1994 BY DURATION OF STAY 1985-93	199
FIGURE 29: PROPENSITY TO STAY IN 1994 BY NUMBER OF PREVIOUS MOVES 1985-93	200
FIGURE 30: PROPENSITY TO STAY IN 1994 BY YEARS SINCE IMMIGRATION	200
FIGURE 31: STAYERS AND MOVERS IN 1994 BY HIGHEST LEVEL OF EDUCATION COMPLETED	202
FIGURE 32: STAYERS AND MOVERS BY MARITAL STATUS	203
FIGURE 33: PROPENSITY TO STAY IN 1994 BY NUMBER OF CHILDREN IN HOUSEHOLD	203

FIGURE 34: PROPENSITY TO STAY BY LIVING IN AN OWN HOUSE	204
FIGURE 35: PROPENSITY TO STAY BY LABOUR MARKET STATUS	206
FIGURE 36: DURATION DEPENDENCE OF THE PROBABILITY OF STAYING - MARGINAL EFFECTS BY AGE AND MARITAL STATUS	218
FIGURE 37: DURATION DEPENDENCE OF THE PROBABILITY OF STAYING - SOME TYPICAL CASES	219
FIGURE 38: DURATION AND PROBABILITY OF STAYING BY EMPLOYMENT STATUS AND FAMILY SITUATION	225
FIGURE 39: DOES MIGRATION ECONOMISE? CHANGE IN REAL ANNUAL HOUSEHOLD INCOME BETWEEN 1993 AND 1995 FOR EMPLOYED MOVERS AND STAYERS IN 1994	237
FIGURE 40: RELATIVE LOCATIONAL ATTRACTIVENESS IN A GLOBALISING ECONOMY	246
FIGURE 41: EFFECTS OF TAXING (IM-)MOBILE PRODUCTION FACTORS	268

b) Tables

TABLE 1: EMPIRICALLY TESTABLE PREDICTIONS OF CONVERGENCE AND DIVERGENCE THEORIES	86
TABLE 2: CORRELATION COEFFICIENTS	83
TABLE 3: INTERNAL MIGRATION AND REGIONAL DEVELOPMENT IN EUROPEAN COUNTRIES 1975-94	88
TABLE 4: PANEL DATA ESTIMATION OF CONVERGENCE AND MIGRATION IN INDUSTRIALISED COUNTRIES 1960-95	95

TABLE 5:	PANEL DATA ESTIMATION OF CONVERGENCE AND MIGRATION IN EUROPEAN REGIONS	99
TABLE 6:	PANEL DATA ESTIMATION OF CONVERGENCE, MIGRATION AND ECONOMIC CONCENTRATION IN NORWEGIAN REGIONS 1974-1990	114
TABLE 7:	DETERMINANTS OF THE LEVEL OF GDP PER CAPITA IN FINLAND AND NORWAY	114
TABLE 8:	PANEL DATA ESTIMATION OF CONVERGENCE, MIGRATION AND ECONOMIC CONCENTRATION IN FINNISH REGIONS 1973-1994	115
TABLE 9:	ESTIMATION RESULTS - PROBABILITY OF STAYING IN THE SAME SWEDISH LABOUR MARKET REGION IN 1994	213
TABLE 10:	ESTIMATION RESULTS - PROBABILITY OF STAYING IN 1994 BY AGE GROUPS	229
TABLE 11:	ESTIMATION RESULTS - PROBABILITY OF STAYING IN 1994 BY EMPLOYMENT STATUS	231
TABLE 12:	COMPARATIVE ESTIMATION RESULTS - PROBABILITY OF STAYING IN LABOUR MARKET REGIONS IN 1989 AND 1994	234
C) MAPS		
MAP 1:	CONCENTRATION OF ECONOMIC PRODUCTION AND NET MIGRATION IN FINLAND AND NORWAY 1973-90	110
MAP 2:	NET MIGRATION IN SWEDISH REGIONAL LABOUR MARKETS 1985-95, IN PERCENT	195
MAP 3:	AVERAGE INCOME FROM EMPLOYMENT IN SWEDISH LABOUR MARKET REGIONS IN 1994.	196