INDEX

A
Africa, 152, 167, 173
age
Filipino characteristics, 85
household heads, 59
Mexican migrants, 39, 40
Philippines
migrant households, 94t–95t
nonmigrant households, 96t–97t
premigration income effects, 79n
probability of migration, 37
age of entry, 156–157
American Competitiveness and Work
Force Improvement Act of 1998, 152
Annual Poverty Indicators Survey (APIS),
90, 116
Asian financial crisis (1997), 82, 87
Filipino migrants, 115–116
Asian migration rate, 11
asylum seekers, 3, 4

B
Bayh-Dole Act of 1980, 250
border crossings, 132
brain drain, 14
absolute or relative measurements, 173
African countries, 167
benefits, 201
data bias, 193
determinants, 215–216
education and growth studies, 219
education impact, 209, 220t
growth and welfare impacts, 203, 219f
intensity on source country, 166
Islamic and Arab countries, 172–173
lack of data, 153, 231
migration probability, 216
negative, 151, 220
OECD statistics, 193
positive externalities, 10
public expenditures, 221
regional differences, 9–12
risk aversion, 211–212
steady state, 221
studies, 192–194
brain gain, 11–12
alternative curves, 205f
benefiting countries, 186–187
education return, 209
general equilibrium, 214
heterogeneity, 206–208
in OECD countries by country, 178t–
181t, 182t–185t
long-term benefit, 217
migration probability, 216
negative, 210–211
net brain loss, 205–206
partial equilibrium analysis, 204

261
public expenditures and tax revenues, 214
risk aversion, 211–212
size, 214
smaller gains, 203–204, 209, 213
working-age population, 186
brain waste, 12, 13, 210, 221

C
Canada, 152, 158
Carrington and Detragiache
brain drain study, 192–193, 193
characteristics. See community; family;
variable means; individual
child education, 124–125, 142t
child labor, 7–9, 113
child outcomes, 120n
birth by doctor, 129, 129t
categories, 128
exchange rate shocks, 113, 114t
migration impacts, 127–131
remittances, 127
children
percentage of immigration stock, 156
China, 256n
citizenship naturalizations, 158–159
cobweb model, 223n
community characteristics, 28t
Mexican migrant destination model
results, 35t
Mexican migration probabilities, 42t
Mexican migration sectors, 43t
Mexico, 32, 37t
community variables, 22
consumption inequality, 138t–139t
control variables, 99–100
Coryn-Kyl legislation, 257n
counterfactual income estimates, 63–66
country groups, 188–192
coyotes, 132
credit, 112
Current Population Survey
Mexicans in the United States, 49n

D
demand shocks, 146n
demographic variables, 103tn
dependent territories, 155, 160
destination countries
emigration and selection rates by
country, 175t–177t
largest, 168
development, 1–2, 6, 14, 15
Development Economics Research
Group, 2
distance
migration costs, 240, 242
distribution model
occupational outcomes, 228f
domestic wage, 206
migration probability, 215–218
partial equilibrium, 215–216
dummy variables
income and expenditure calculations,
71
Dumont and Lemaitre (2004), 196n

E
economic integration, 6
education, 12, 15
attainment computations, 243n
brain drain, 202, 220t
brain gain, 11, 204
comparability problems, 167
composition of migrants, 232–233
composition of U.S. and European
migrants, 236f
data by country, 162t–163t
domestic enrollment, 152
exchange rate shocks, 113
expenditures and health care, 213
Filipino households, 94t–95t, 96t–97t
from source or destination country,
156–157
Guatemala
expenditure analysis, 72t–75t
relationship to income, 61
remittance impact, 56t–57t
spending by remittance receiving
households, 77
household expenditures, 64, 65t, 204,
213
households and remittance link, 59–60
immigrants, 235f
income effects, 61
international mobility, 164–165
investment due to prospects of migration, 196
job placement, 237, 241, 241t
lack of data for illegal immigrants, 158
males and females, 142t–143t
maternal, 137, 140
Mexican migrants, 5, 140
migrants with secondary degrees, 168
migration decisions, 24, 216
migration probability for income groups, 222
negative impact of migration, 223n
number of educated immigrants, 156
patterns for migrants with tertiary education, 234f
public expenditures, 212–213
skill level, 157
skilled immigration trends, 246–249
skilled jobs, 238f
stocks, 217
working-age immigrants, 178t–181t
emigrants
  largest educated stocks, 187
emigration
  by country/income groups, 172
  health sector impacts, 202
  measure per education, 160–161
emigration rates, 166–167, 173
  by country group, 170t–171t
data set, 187
  under different measurement methods, 194f
  world average, 168
emigration stocks
  data collecting, 157
  highest stocks and rates by country, 175t–177t
employment sectors
  Mexican migrants, 5, 47
Encuesta Nacional de Dinámica Demográfica (ENADID), 126, 127, 133
migration and inequality relationship, 136
migration prevalence, 134
endogenous growth theory, 9
ENHRUM. See Mexico National Rural Household Survey (2003)
entrepreneurial activities, 7–9, 113, 114t
exchange rate shocks, 114t, 115, 120
ethnicity, 65t
Europe
  composition of migrants, 236f
  ease of migration, 242–243
  migrant sources, 13
European migration policy indicators, 242t
European Union (EU)
  immigration policies, 153
  main sources of migrants, 4–5
  migration patterns and tertiary education, 234f
exchange rate shocks
  Asian financial crisis, 87
  child outcomes, 113, 114t, 120
  control variables, 99
  education, 113
  entrepreneurial activities, 114t, 115, 120
Filipino migrant households, 100–101
Filipinos by country, 85t
gifts, 102t, 107
household, 88–89, 90
human capital investment, 113
identification assumption, 98
nonmigrant households, 105–107, 108t–109t
origin households, 112
poverty and inequality, 83
poverty gap measures, 101
poverty impacts, 93, 102t, 106
poverty rates, 116
preshock characteristics, 98–99
regional level, 89, 111t, 116
regression results, 99
remittances, 102t, 105
spillovers to nonmigrant households, 104
exchange rates
  Asian financial crisis, 87f
  improvements and poverty reduction, 101
increases in remittances, 104
spillover effects to nonmigrant households, 116
expenditures
  Filipino nonmigrant households, 96t–97t
Guatemala
  behavior, 70
  household, 63–64, 76t
  income model, 79n
  remittances, 68
income calculation variables, 70
public education, 204
explanatory variables, 46

F
family characteristics
  Mexican migrant destination model results, 34t–35t
  Mexican migration, 42t, 43t
  Mexico, 28t, 29, 36t–37t
Family Income and Expenditure Survey (FIES), 90, 116, 117
family landholdings, 47
female migrants
  Mexican, 41, 44
  Filipino migrants, 115
  characteristics, 84–89, 86t
  exchange rate shock by country, 85t
  Overseas Employment Program, 84
  poverty statistics, 90–91
  precrisis location, 118–119
five-choice migration-sector regime, 33–34
food, 72t–75t, 213
foreign capital, 1
foreign direct investment (FDI), 81
foreign graduate students, 13
  estimations of innovation impacts, 251
  impacts on patents and grants, 252t
  patenting activity, 252–253, 258t
  United States, 247, 248f, 249
foreign wage, 206
foreign workers
  overqualified, 210
foreign-born citizens, 158, 159
foreign-born faculty, 250
foreign-born students, 256n
France, 153, 158

G
general equilibrium
  brain gain, 214, 223n
  education attainment, 212
  skilled wage rate, 218
Germany, 153, 158
gifts
  exchange rate shocks, 102t, 107, 108t
Philippines, 93, 104
  migrant households, 94t–95t
  nonmigrant households, 96t–97t
Gini coefficient, 68
graduate training of technical personnel, 249
Grossman health production function, 127
Guatemala
counterfactual income estimates, 63, 64
  education spending, 77
  estimating income functions, 63–66
  expenditure analysis by variables, 72t–75t
  household expenditures, 65t, 67t, 76t
  household income estimates, 62t
  income inequality, 68
  income model, 54, 58, 59–60
  investment, 8
  model estimations, 54, 59–63
  poverty, 53, 68, 69t, 77
  remittances and expenditures, 53, 68, 78
  study data, 55

H
H1B visas, 245, 254, 254f
  248f
health care
  emigration, 202
  Guatemala, 72t–75t
  reductions, 213
Heckman selection bias correction procedure, 54
Heckscher-Ohlin model, 48n
heterogeneity

- brain gain, 206–207
- group, 208, 208f

highly skilled immigrants, 152, 168
highly skilled workers
  - distribution in developing countries, 222n

historic migration networks, 126, 133, 144

historic migration rates, 145, 146n
household attributes, 144
household characteristics, 70
  - Guatemala, 60t, 65t
  - Philippines, 92–93

household controls, 103tn
household expenditures
  - Guatemala, 63–64
    - budget shares, 76t
    - calculations, 65–66
    - OLS regression analysis, 72t–75t
    - remittance or nonremittance receiving households, 67t
    - remittances and poverty, 71
    - per capita, 65t, 66

household heads
  - Guatemala, 57t
    - age, 56t–57t
    - ethnicity, 64
    - model, 59, 60t
    - marital status, 49n
  - Mexican nonmigrants, 27–28
    - Mexico, 37, 138t
  - migration probability, 135f
  - Philippines, 93

household human capital, 7–9
household income, 25
  - Guatemala estimates, 62t
  - migration function, 146n
household spending behavior, 71
household statistics, 94t–95t
  - Filipino without overseas migrants, 96t–97t
household surveys, 90
household utility, 25

households
  - causal impacts of remittances, 145

comparing households with and without remittances, 125–126
credit, 112
with and without remittance characteristics
  - Guatemala, 55, 56t–57t
housing, 29, 72t–75t, 77
human capital
  - African countries, 167
  - brain gain, 213
  - Guatemala, 56t–57t
  - household expenditures, 65t
  - model results, 60t
human capital index, 228
human capital model, 78n–79n
human capital theory, 21, 23–24
  - Guatemala, 55, 58, 61

I
idea development, 251, 252
identification assumption, 98
illegal immigrants
  - Guatemala model, 61
  - in the United States, 158
Mexican, 132
  - residing in OECD countries, 196n
IMF. See International Monetary Fund
immigrant occupational distribution, 228f

immigrants
  - educated stocks, 187
  - English-speaking and tertiary education impacts on U.S. labor market placement, 241
Latin American education levels, 236
number of educated, 156
percentage of labor force, 174
skill level in non-OECD countries, 156
skill structure compared to natives, 186
treatment depending on source country, 253
working-age and education level by country, 178t–181t, 182t–185t

immigration
  - anti-immigrant legislation, 256n
  - barriers, 215
  - data by country, 162t–163t
data sources, 162t–163t
familial, 157
illegal, 45
quotas, 152
Immigration and Naturalization Service (INS), 132
Immigration of Act of 1990, 152
immigration policies, 152–153. See also migration policies; United States, immigration policy
income
function of migration, 146n
Guatemala, 58–59, 63–66
inequality, 68
migrant estimations, 54
migration impact, 6–7
Philippines, 96t–97t
reduction and welfare, 16n
remittances, 105
statistics for Filipino migrant households, 94t–95t
India, 196n
individual characteristics
Mexican migrant destination model results, 34t–35t
Mexican migration probabilities, 42t
Mexican migration sectors, 43t
Mexico, 28t, 36t
individual variables, 27
INEGI. See Instituto Nacional de Estadística, Geografía e Informática
inequality
analysis across all households, 89
exchange rate shocks, 83, 111t, 112
migration effects, 223n
migration relationship, 124, 136
Philippines, 110–112
remittances, 81
sending community, 135–136
infant mortality, 128, 129, 129t
informational asymmetry, 13
innovation, 13, 250–253
foreign graduate student impacts, 251
United States, 249, 250
visa restrictions, 255
INS. See Immigration and Naturalization Service
Instituto Nacional de Estadística
Guatemala study data, 55
Instituto Nacional de Estadística, Geografía e Informática (INEGI), 27
instrumental variables, 105, 126
distinguishing between impacts of migration and remittances, 144
Integrated Public Use Microdata Series (IPUMS), 243n
intellectual property rights, 250
International Financial Statistics database, 119n
international graduate students
impacts on patents and grants, 246, 252–253, 252t, 258t
innovative activity, 13, 251
trends, 247
United States, 248f, 249–250
international immigrants
number of educated, 156
international migrants, 155
children, 156
international migration, 154
by education level data by country groups, 169–173
International Migration and Development Research Program, 2, 10, 15
international mobility
education, 164t–165t
skilled workers, 168, 174, 186
working-age population, 167
International Monetary Fund (IMF)
International Financial Statistics database, 119n
international trade, 16n
IPUMS. See Integrated Public Use Microdata Series
IV-probit
consumption inequality, 138t–139t
network size and migration probability, 134t
schooling, 142t–143t
J
Jackson legislation, 257n
job placement, 239, 241t
K
Kennedy-Mc McCain legislation, 257n

L
labor force, 2, 174
Labor Force Survey (LFS), 90, 116, 117
immigrant education data, 166
labor market placement, 12
empirical analysis, 239
migrants with tertiary education, 238f
source country impact, 255
variables, 237
labor markets, 166
labor mobility, 6
labor, child, 7–9
labor-shortage occupation lists, 153
landholding value, 29, 38
legislation
anti-immigrant, 253n
U.S. immigration visas, 257n
LFS. See Labor Force Survey
log consumption
migration probability, 135f
log NDC
migration probability, 134, 134t
low birthweight, 128, 129t

M
male migration
Mexicans, 39, 40, 41, 44
manufacturing, 115
marital status, 40
market access, 32, 38, 44, 47–48
market conditions, 24
market integration, 22, 39–40
maternal education, 142t–143t
Mexico, 140
predictor of child education levels, 137
maternal health knowledge, 130, 131t
Mexican households
causal impact of remittances, 145
comparing households with and
without remittances, 125–126
Mexican migrant study, 45–46, 47
Mexican migrants
characteristics, 30t–31t
conducive variables, 38
destinations, 21, 30t, 33f
displacement, 24
employment sector probabilities by
classification, 43t
employment sectors, 30t
households, 29, 92, 93
internal and community variables, 39–
40
international, 40
international and internal, 28–29, 33
males versus females, 39
multinomial logit model results, 36t–
37t
number living in United States, 49n, 123
percentage of village populations by
destination, 23f
schooling, 9, 40, 41
statistical versus quantitative significance, 41
U.S. farm workforce, 23
village populations by
destination/employment sector, 33f
Mexican migration
education, 45, 124–125, 140
factors for internal, 41, 44
gender variable, 45
household outcomes, 123
illegal, 132 (See also illegal
immigration)
internal and international probabilities
by classification, 42t
international factors, 44
regional characteristics, 46
to farm jobs, 44–45
U.S. farm and nonfarm jobs, 48n
Mexican Migration Project (MMP), 132
Mexican model, 49n
Mexican nonmigrants, 29, 32
characteristics, 30t–31t
Mexico
child health outcomes, 124, 129, 129t
destination-sector regime, 44t
displacement, 5, 137, 140
internal and international migration, 39–40
market integration, 39–40
maternal education, 137, 140
maternal health, 124, 130, 131
migrant networks, 124
migration estimation data, 126–127
migration histories, 27
migration selectivity study, 22
nonfarm payroll increase, 48n
Mexico Migration Project (MMP), 48n
Mexico National Rural Household Survey (2003), 6, 48n
Mexico National Rural Household Survey, 2003 (ENHRUM), 22, 26–27
migrant controls, 103tn
migrant destinations. See Mexican migrants, destinations
migrant statistics, 28t
migrant stocks, 155
migrant theories, 23–24
migrants. See also Filipino migrants; Mexican migrants
accounting for deceased, 146n
children, 156
educated, 21
education composition, 232–233
largest numbers of, 10–11
OECD country totals, 164t
one source country, different destinations, 235
placement of skilled workers, 228, 231
secondary school degrees, 168
skilled (See skilled migrants)
skilled workers and students, 13
source country benefits, 119n
tertiary education and skilled jobs, 238f
with secondary and tertiary education in OECD countries, 164t
world figures, 123, 151
migration
analyzing movements, 155–156
behavior variables, 24
brain health at low rates, 218–219
child health outcomes, 124, 127–131, 141
conducive variables, 38
consequences of skilled migration, 154
decline in educated people, 217
defined by country of birth, 158
development links, 1–2
distinguishing effects from remittance effects, 125–126
distinguishing impacts from remittance impacts, 144
econometric identification issues, 141, 144
economic gains, 2
educated workers, 10
education, 15, 124–125, 137, 140, 142t–143t, 152, 168, 211, 223n
households
comparing with and without migrants, 125–126
illegal (See illegal immigrants)
impacts on disease environments, 146n
income and inequality, 6–7
income as a function, 146n
inequality relationship, 7, 124, 136
instrumental variables, 144
internal, 6
international, 1, 154, 155, 167
lack of international data, 153
maternal health knowledge, 124, 130, 131
Mexico model, 46
outcome estimations, 26
participation estimates, 35
poverty effects, 6–7
rates, 11, 154, 193
regimes, 25
relationship with trade, 6
research, 15
restrictions, 14–15
return, 152
selectivity, 21
child outcomes, 128
Mexico, 22, 37, 48
sending community, 135–136
skilled workers, 167, 202
south-north and south-south, 4
studies, 45
theory, 22
unskilled, 208–209
variables, 38
whole households, 145n
migration costs, 124, 133
distance, 240, 242
Guatemala, 59
influences, 26
networks, 132
migration decisions, 22
education, 216
identifying determinants, 145
Mexico, 35, 126
models, 25
unobserved variables, 46
where to migrate, 230
migration destination, 34t. See also Mexican migrants, destinations
migration histories, 27
migration networks, 5, 124
Mexican, 47, 49n
Mexico, 38, 40, 44
migration probability of others, 132–135, 141
remittances, 136
size, 134
migration patterns, 4–6, 232, 233f
migrants with tertiary education, 234f
migration policies, 227. See also immigration policies
migration premium
for skilled and unskilled labor, 222n–223n
migration prevalence, 127, 133, 134
consumption inequality, 138t
distribution, 135f
network size and migration probability, 134t
migration probability, 132–135
brain drain and gain, 216
cobweb model, 223n
domestic wages, 215–218
endogenous, 206f, 215–216
factors, 229
household heads, 135f
Mexico, 42t
network size, 133, 134t
networks, 124
of middle- and high-education groups,

222n
migration stocks, 154, 155–167
MMP. See Mexico Migration Project
mobility, 167, 186
modeling migration, 41
models
cobweb, 223n
econometric of household incomes,
58–59
five-choice migration-sector regime,
33–34
Heckscher-Ohlin, 48n
migration decision, 25
multinomial logit, 36t–37t, 60t
occupational outcomes, 228–231
random-utility theoretic, 25
three-regime multinomial for nonmigration, international/internal migration, 33–34
Todaro, 24
two-regime logit for migration and nonmigration, 33–34
Working-Leser, 70t, 79n
multinomial logit model, 60t
multinomial logit–OLG two-stage estimation of income, 54
multinomial logit–OLS two-stage selection control, 58
multinomial-logit estimation, 240–241

N
National Household Survey (2000), 7
National Rural Household Survey of Mexico (2003), 5
National Statistics Office, Philippines, 90, 116
National Survey of Demographic Dynamics for Mexico (1997), 5
NELM. See new economics of labor migration
networks. See also migration networks effects on selection of migrants, 135–136
historic, 126
size, 135–136, 146n
size and migration probability, 133, 134t
new economics of labor migration (NELM), 24
nonmigrant households, 93, 107
exchange rate shocks, 92–93, 108t–109t
maternal health, 124
nonmigrants, 26, 27–28
north-north, 154, 156
nutritional investments, 223n
O
occupation lists
labor-shortage, 153
occupation outcomes
educated migrants, 228–231
occupational variables, 103tn
occupations
Filipino migrant households, 94t–95t
nonmigrant Filipino households, 96t–97t
OECD. See Organisation for Economic Co-operation and Development
ordinary least squares (OLS)
consumption inequality, 138t
household expenditures, 72t–75t
job placement, 240–241
migration and remittances, 141, 144
network size and migration probability, 134t
schooling, 142t–143t
Organisation for Economic Co-operation and Development (OECD)
and non-OECD labor force, 165t
brain drain statistics, 193
migration statistics, 153
skilled workers, 167
statistics, 196n
stock by country group, 170t–171t
outcomes of interest, 125
outsourcing jobs, 245
overqualified foreign workers, 210
Overseas Employment Program, Filipinos, 84
P
parallel-trend assumption, 98, 100
partial equilibrium
brain gain analysis, 204
exogenous domestic wage rate, 215–216
skilled wage rate, 218
unskilled migration analysis, 209
patents
applications, 13
foreign-born students, 252, 256n
indicators of innovation, 249
skilled immigration and graduate students, 258t
Philippine Yearbook (2001), 119n
Philippines
child outcomes, 113, 120n
entrepreneurial activity, 120n
exchange rate shocks, 92–93, 111t, 112
GDP and employment rate, 119n–120n
gifts, 93, 104, 107
household analysis criteria, 117
household characteristics, 92–93
household heads and income, 93
household level exchange rate shocks, 92–93
household surveys, 90
human capital investment, 113
inequality measures, 110
poverty, 90–91, 105, 106, 107, 110, 119n
rainfall shocks, 91
regions, 119n
remittance data, 117
statistics for households with overseas migrant, 94t–95t
without overseas migrants, 96t–97t
physical capital, 7–9, 8
placement
of educated migrants, 228
of skilled migrants, 231
variations but same education levels, 237
political instability, 240
positive externalities
brain drain, 214
poverty, 6–7, 106, 108t
exchange rate shocks, 83, 111t
Filipinos statistics, 90–91, 94t–95t
gap, 66, 91, 101
Gini coefficient, 68
Guatemala, 68
headcount, 66
inclusion of remittances in expenditures, 68
indicators, 91, 96t–97t, 101
lines, 79, 91, 119n
nonmigrant households, 89
rates, 110, 116
reduction, 7
Guatemala, 77
regional level exchange rate shocks, 112
remittances, 14
reductions from improved exchange rates, 101
remittance spillovers, 83
remittances, 53, 66, 69t, 81, 82, 116
results, 105
studies, 6–7
variables, 90–91, 103tn
precrisis location of migrants
Filipinos, 118–119
preshock characteristics, 98–99
Program for the Improvement of Surveys and Measurement of Living Conditions in Latin America, 78n
property rights, 250
public education costs, 212–213
public expenditures, 204, 214, 221

Q
quality variables
labor market placement, 237
quality-selective, 152

R
rainfall shocks, 91, 106, 110
random-utility theoretic model, 25
real wages, 4
recruitment of highly skilled workers, 153
refugees, 3, 4
regional characteristics, 46
regression results, 99, 101, 105–106
regression specification, 98
regressors
counterfactual income estimates, 64
Release 1.0
comparison with Release 1.1, 195f
Docquier and Marfouk (2004), 194
remittances, 1, 81, 119n
Asian financial crisis (1997), 115–116
behavior, 26
bias in household comparisons, 141
child health outcomes, 127
comparing households with and without, 125–126
data for the Philippines, 117
decisions, 141
determining amounts, 145
developing countries, 81
distinguishing between impacts of migration
instrumental variables, 144
distinguishing effects from migration effects, 125–126
econometric identification issues, 141, 144
education, 152
exchange rate shocks, 102t, 105, 116
nonmigrant households, 108t
exogenous transfer, 53–54
expenditure categories, 68
expenditures per capita for remittance and nonremittance receiving households, 67t
Filipino households, 94t–95t, 96t–97t
flow analysis obstacles, 81–82
Guatemala
education, 77
expenditure increases, 66
model results, 60t
poverty, 66, 68, 69t, 77
size of internal, 78n
spending behavior, 68, 77, 78
summary data, 56t–57t
household income impacts, 105
housing construction, 8
income of households receiving by variables, 62t
increases with improved exchange rates, 104
investment, 7–8
maternal health knowledge, 130
Mexican households, 145
migration network impacts and
inequality, 136
physical capital, 8
poverty, 6, 7, 82, 116
regional impact, 83
removal of sending barriers, 14–15
research on economic outcomes,
83
scale and growth, 123
shocks, 82
source countries, 16n, 81
spending behavior, 7–8
spillovers to nonmigrant households,
83
underreporting, 119n
research, 15–16
return migration, 152
reverse causation, 82, 89
risk aversion, 211

S
schooling
exchange rate shocks, 113
Mexican migrant study, 41, 47
Mexican migrants, 39, 40
Mexican migration, 9, 45
probability of migration, 38
remittances, 8
selection bias
correction procedure, 54
Guatemala income model, 58
selection rates, 174
by country, 187–188
selection variables
labor market placement, 237
shocks. See also exchange rate shocks
causal impact on remittances, 82
unobserved, 144
skill distribution, 161
skill levels, 157
skill utilization, 12–13
skilled immigrants, 174, 247f
patenting activity, 246, 252t
skilled immigration, 256n
education trends, 246–249
patenting activity, 258t
policy, 246–250
sources, 253–255
skilled migrants, 156
distinguishing between education at
source or destination country,
156–157
placement, 231
regional distribution, 172
share in total migration, 202
where to migrate, 230
skilled migration
African countries, 173
consequences on developing countries,
154
probability, 204
skilled wage rate, 218
skilled workers
by country group, 170t–171t
gains and losses in OECD countries,
174
innovation impact, 250
migration, 167
overestimation of migration rates, 193
social networks, 4, 5, 132. See also
migration networks
SOF. See Survey on Overseas Filipinos
source countries
benefits, 119n
gross domestic product and migration,
239
immigrant treatment depending on
country, 253
impact on job placement, 255
lack of data, 153
migration and inequality, 135–136
negative brain drain effects, 151
to different destination countries,
235
south-north, 4, 154, 156
south-south migration, 4
specialization, 218
spending behavior
Guatemala, 68–69, 70, 71, 77
squared poverty gap, 66
Guatemala, 68, 78
steady state
brain drain, 216–217, 218, 221
stock variables, 155–156
Sub-Saharan Africa, 11
Sübmuth Commission, 153
Survey on Overseas Filipinos (SOF), 84, 90, 116, 117

T
tax revenues, 212–213, 214
three-regime multinomial for nonmigration, international and internal migration, 33–34
Todaro model, 24
trade, 6, 16n
transitory shocks, 112
transport, 32, 38, 44
transportation and communications services, 115
two-regime logit for migration and nonmigration, 33–34

U
United States
American Competitiveness and Work Force Improvement Act of 1998, 152
anti-immigrant legislation, 256n
attracting high quality immigrants, 240
census data, 231
competition for skilled Chinese workers, 256n
composition of migrants, 236f
declining share of international graduate students, 246
destination country, 232, 233f
domestic skilled worker shortages, 245–246
education level of migrants, 236
English-speaking and education impacts on immigrant job market placement, 241
exporting higher education services, 255
farm workforce, 23
foreign graduate students, 248f
increase in patents, 252–253
trends, 247

graduate training of technical personnel, 249
illegal immigrant population, 158
Immigration Act of 1990, 152
immigration policy, 245
foreign graduate students, 249, 250
legal ways to enter, 254
innovation abroad, 255
innovation and productivity, 250–253
mathematics and science achievement, 249
Mexican migrants, 33, 123
Mexican-born population, 48n, 49n
migrants sources, 5
migration patterns, 233f–234f
migration sources, 12–13
number of foreign-born citizens, 158
outsourcing jobs, 245
recruitment of software professionals, 196n
skilled immigrant figures, 246, 247f
technology leadership, 245
tertiary education and immigrants, 235f
universities, foreign-born faculty, 250
visa applications, 247
visa demand reduction, 249
universities
U.S. declining share of international graduate students, 246, 248
unobserved characteristics
migration decisions, 126
unobserved variables
distinguishing between impacts of migration and remittances, 144
Mexican migrant model, 45, 46

V
vaccines, 129t
variable means
Mexican migrants by destination/employment, 30t
variables, 70, 71
individual, 22, 27
units of measure, 49n
visas
applications of foreign students, 247
H1Bs, 248f
L, 256n
reduced in demand, 249
restrictions, 245, 248, 255

W
war, 240
wealth
Guatemala, 57t, 60t
index, 29
Mexican migrant model, 47
migration, 5, 59
weather shocks, 47
welfare, 14, 227
Working-Leser model, 70, 79n
World Bank, 2, 10
poverty line for Guatemala, 66
world configuration change
between 1990 and 2000, 159
world labor force, 168
by education level, 164t
world migration, 167–169