

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

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, 164t–165t
- investment due to prospects of migration, 196n
- 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, 222n
- 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, 120n
- 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, 120n
 - control variables, 99
 - education, 113
 - entrepreneurial activities, 114t, 115, 120n
 - 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
 - reshock 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-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

education, 24

employment sector probabilities by
characteristic, 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 signifi-
cance, 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 characteristic, 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

education, 5, 137, 140

internal and international migration,
39–40

- market integration, 39–40
- maternal education, 137, 140
- maternal health, 124, 130, 131t
- 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 drain 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, 131t
 - 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 nonmigra-
 tion, 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