

## Index

---

- accumulation, 5, 53, 204, 224; capital-market failure and, 204, 205; and city growth, 238; forces driving, 267; impact of factor-market failure on, 209, 211, 212
- accumulation effects: of labor-market failure, 180, 200–3, 201f,t
- accumulation rates, 36–7, 270, 276
- adult male consumption equivalences (AMCE), 60–2, 61t, 76
- adult male earnings: and children's earnings, 63–8, 64t, 65t, 68t
- age distributions, 30–4, 31t, 32t, 37, 38–9, 38t, 80; and birth/death rates, 15–16; changing, 33t; immigrants in cities, 40–6, 41t, 42t, 47f; Irish immigrants, 135–9, 138t; selectivity bias in, 43f, 50–1 (*see also* young-adult-selectivity bias); in urban transition, 11, 53
- age-earnings paths, 118–20, 121–2, 123, 125–8t
- age-earnings profiles, 108
- agglomeration economies, 229
- agricultural employment, 200, 203–5
- agricultural products, 205
- agriculture, 29, 37, 53, 92, 149, 227; and capital formation, 81; capital-output ratio, 272; decline of, 181, 185n2, 211, 212; disguised unemployment in, 157; emigration from, 82–4, 83t, 131; in general equilibrium model, 205–10; in-kind payments in, 192–3; Irish immigrants and, 154–5; labor demand in, 95–6; labor release from, 179, 198–9, 211; rates of return in, 204; wages in, 104, 182–4
- Alston, Lee, 192
- Anderson, Michael, 72, 111
- antiurban bias, 6
- Asher, Ephraim, 98
- Ashton, T. S., 239, 277
- Atwater, W. O., 61
- Baines, Dudley, 74
- Bateman, Thomas, 259
- Bellerby, J. R., 181n1, 185n2
- benefit-cost analysis: social rate of return, 290–1
- benefit-cost ratios: public-health investment, 280, 281, 291–4
- Birmingham, 16, 44–5, 134, 236
- birth rates (city), 38–9, 39t; *see also* crude birth rates (CBR)
- Blitz, Rudolph, 59
- Board of Trade, 244, 245, 247, 248, 299
- Booth, David, 287n7
- Borjas, G. J., 108n3
- Bowley, A. L., 304
- Boyer, George, 191–3
- Boyle, P. P., 167
- Bradford, 2, 132, 223, 244
- brain drain, 59–81
- Bristol, 9, 133, 240
- British Economic Growth* (Deane and Cole), 268
- British Economic Growth 1865–1973* (Mathews, Feinstein, and Odling-Smee), 107
- Brown, John, 255n16
- Bryant, A. P., 61
- Buer, M. C., 259
- building trades, 195, 239; and city rents, 187, 188, 243; wages in, 182–4, 185–6, 235
- Cain, P. J., 90
- Cairncross, A. K., 9, 10, 14n3, 57–8t, 89, 178, 278n3
- Cairnes, J. E., 148
- Cambridge Savings Equation, 204

## 332 Index

- Cannadine, D., 240
- capital, 37, 81; failure of manufacturing, to migrate, 210, 212; mobility of, 149, 171, 213; scarcity of, 37, 157, 204-5; supply/demand, 59
- Capital* (Marx), 98
- capital accumulation, 157; effect of Irish immigrants on, 160; and labor demand, 97, 99; labor-market failure and, 202-3
- capital demand, 81; in First Industrial Revolution, 267-70
- capital formation: nonagricultural, 279t
- Capital Formation in the Industrial Revolution* (Crouzet), 268
- capital intensity, 92, 93, 268, 269; in Third World cities, 274-6
- capital-labor ratio, 207, 274-6, 275t
- capital-market failure, 203; distributional impact of, 203-5; implications of, 211-13; and investment in social overhead, 277, 279-80, 294-8
- capital markets, 6, 81, 206; and city growth, 219, 223, 224, 226; and industrial revolutions, 59, 178, 180-1; interregional, 81; and migrant-selectivity bias, 48
- capital-output ratios, 270-3, 271t
- capital stock growth, 273-4, 273t
- capitalists, 205, 230, 261
- "catching up," 122; in U.S., 108n3
- census data, 2; on crowding, 299-300; 1831, 251; 1841, 9; 1851, 40, 108-9, 123, 132-3, 167, 226; young-adult-selectivity bias, 30-4
- Chadwick, Edwin, 131, 229, 231, 234, 238, 240-2, 244-5, 260, 281-4, 288, 291-2, 293-4, 306
- Chenery, Hollis, 179
- Cheshire, 246
- Chicago School: null hypothesis, 195, 196-200
- child-mortality rates, 77; *see also* infant-mortality rates
- child rearing: costs of, 59, 60-76, 76f, 224
- children, 30, 34, 35, 59; commodity costs of, 60-2, 63t, 68; earnings of, 60, 62-71, 64t, 65t, 68t; financial remittance by, 70, 71-5; migration rates of, 40-2, 44
- Chiswick, Barry, 108n3
- cholera, 282, 283, 284-5, 290-1
- cities: closing down, 2, 233; dependency burdens, 223-4; employment growth in, 211; fertility/mortality, 11-16, 12-13t; rents in, 187-91; underinvestment in, 7, 261, 267-309 (*see also* social overhead investment); young adults in, 30-4 (*see also* young-adult-selectivity bias); *see also* ugly-city strategy; and entries beginning with "urban"
- city growth, 102, 299; comparative assessment of, 3-5, 3t; coping with, 1-7; demographic surprises in, 222-3; inelastic city labor supplies and limits to, 238-40; issues in, 5-7; marginal social cost of, 228-9, 230; optimal, 220; pace of, 6-7, 219-30; perspective on, 2-5
- city growth rates, 2, 5-7, 22-5, 23t, 30, 52-3, 84, 104, 221-2; immigration and natural increase in, 28-9, 52-3
- city size: and immigration rates, 16; and Irish immigration, 135; and mortality rate, 244-6; and quality of life, 256-7; and real wages, 248; and young-adult-selectivity bias, 44-6
- Clapham, J. H., 130, 140, 161
- Clark, Colin, 181n1
- class mobility, 148
- classical labor-surplus model, 156-8
- Clay, Reverend, 294
- Cleland, James, 161
- Club of Rome, 232
- Coale, Ansley, 36
- Cobb-Douglas production function, 94, 197
- Cole, W. A., 11, 90, 95, 196-7, 202, 268, 269, 270, 272, 273, 277
- commercial policy, 203n13, 205, 216, 226-7
- commodities: trading off environment for, 260-1
- commons: overuse of, 220, 233
- Condition of the Working Class in England* (Engels), 283
- Condran, Gretchen, 287
- consumption, 36, 232
- Corden, Max, 102-3
- Corfe Castle parish, 65
- Corn Laws, 203n13, 216, 227
- cost(s): of child rearing, 59, 60-76, 76f, 224; of city life, 180; of construction,

## Index

333

- 235; of decrowding, 298–304, 301t; of housing, 187, 233–43, 236t, 241–2t; of migration, 39, 60, 107, 113, 133, 135, 179, 195, 228; social, of city growth, 228–9, 230
- cost-benefit analysis; *see* benefit-cost analysis
- cost of living, 251–2
- cost-of-living differentials, 6, 9, 180; and wage gaps, 187–91, 189t, 190t, 193–4
- cottage industry, 9, 65, 70, 87, 144
- cotton textiles, 94, 97, 98
- counterfactuals, 7; in effect of public-health investment on mortality, 286–90; labor market absorption of Irish, 142, 151–6, 158–9; labor-market failure, 195–6; migrant-selectivity bias, 47–51
- countryside: child-rearing costs in, 68–9; fertility/mortality, 11–16, 12–13t; non-farm employment opportunities in, 82; *see also* agriculture; and entries beginning with “rural”
- Coventry, 182–4
- Crafts, N. F. R., 4, 98n6, 179, 182, 188–90, 198–9, 202
- Crimmins-Gardner, Eileen, 287
- Crouzet, François, 204, 268, 272, 273, 277
- crowding, 7, 9, 180, 219, 228, 233, 235, 237, 239, 243–6, 256, 258, 261, 269, 305; measurement of, 299–300, 300t, 306–9; and mortality rates, 244–6, 283; social reformers’ views on, 298–9
- crowding-out: of social overhead investment, 277–9; of war debt, 223
- crowding-out phenomenon (Irish), 9, 13, 31, 84, 130–1, 132, 145, 146, 155, 159
- crude birth rates (CBR), 10, 38–9, 48, 54; city/countryside, 11–16, 12–13t, 52; migrant-selectivity bias and, 51, 80
- crude death rates (CDR), 10, 38–9, 40, 48, 53, 54, 55f, 222; city/countryside, 11–16, 12–13t, 52; declining, 25, 258–9; migrant-selectivity bias in, 51, 80
- crude fertility rates, 53
- crude rates of natural increase: city/countryside, 11–16, 12–13t, 222; migrant-selectivity bias in, 51
- Danish emigrants, 42
- “dark satanic mill” index, 244, 246
- David, Paul, 205n14
- Davies, David, 65, 72
- Davis, Kingsley, 23
- deadweight losses, 194–200, 208, 211
- Deane, Phyllis, 11, 90, 95, 196–7, 202, 268, 269, 270, 272, 273, 277
- death rates; *see* crude death rates (CDR); mortality rates
- decrowding, 7, 280, 286, 287; costs of, 298–304, 301t
- demand structure, 87
- Demeny, Paul, 36
- demographic factors, 14; in city growth, 37–9, 222–3, 224; and economic factors, 80–1; in immigrant absorption, 92; in real wages, 157; in urban transition, 10–11, 48–51, 49f, 50f, 52; young-adult bias and, 34–9
- demographic transition, 8–9, 17, 49f, 50f, 52, 129
- Denison, E. F., 179, 198n11
- density (city), 1, 2, 180, 219, 228, 231–66, 298; and mortality rates, 244–6
- dependency burdens, 5, 223–4
- dependency hypothesis, 36, 244
- dependency rate, 34, 53; young-adult bias and, 34, 35, 36–7
- development economists, 81, 86, 92, 98, 107, 179, 198, 204, 223, 269, 270
- Devon, 252
- diarrheal diseases, 282, 285, 290–1
- disamenities (urban), 9, 180, 219, 221, 229, 233, 237, 242n6, 243–6, 247; British towns (1905), 247–50; significance of, to immigrants, 232–3, 239, 247, 251, 254–7; and wage bribe, 246–57
- disamenities premium, 191, 198, 254–8, 256t
- disamenity indexes, 250–1
- discount rates, 76–7, 76f
- disease, 7, 222–8, 234, 281; and absenteeism, 290–1; air-borne, 282, 285; water-borne, 282, 283, 285–6, 288
- disposable income, 37
- distribution: capital-market failure and, 204, 205–6; impact of factor-market failure on, 206, 209
- distribution effects: of labor-market failure, 180, 200–3, 201f,t
- Dixit, Avinash, 158

334 **Index**

- Domar, Evsey, 269  
 Dorset, 187  
 Dougherty, C., 198n10  
 drainage, 282, 283, 292, 294  
 Dudley, 240  
 Dukinfield, 2  
 Durand, John, 166–7  
 dwelling stock: augmented, 300–2
- early-release-of-labor thesis, 179, 198–9, 211  
 earnings, 224; city immigrants, 107–8, 114–15, 115t, 117–22, 118t, 119–20t, 121f, 122t, 123, 125–8t; unskilled workers, 144, 181–4; urban workers (1851), 109–13, 110–11t, 113t; *see also* expected earnings  
 earnings differentials, 102–5; elasticity of migration to, 179  
 earnings/disamenities elasticity, 251–7  
 Eckaus, R. S., 92n3  
 economic factors: and demographic factors, 80–1  
*Economic Fluctuations in England* (Ashton), 277  
 economic growth, 157–8, 160, 232; in cities, 298; neoclassical models of, 157, 158, 260, 269  
 economic planning, 1, 233  
 economy (British): long-run model, 170–6, 177; structural transformation of, 211  
 Edelstein, Michael, 278n4  
 Eden, F. M., 65, 72  
 Edinburgh, 134  
 “effective Irish,” 140–1, 161, 165  
 elastic labor-supply model, 142–50; assessment of, 156–60  
 elasticity, 6; *see also* labor-demand elasticity; labor-supply elasticity  
 elderly, 59; in cities, 30, 34, 35; public support for, 72, 74  
 emigrant flows: size and composition of, 78  
 emigration(s): from agriculture, 82–4, 83t, 101; Irish, 740–5  
 emigration (rural), 2, 5, 8, 9–11, 59, 82, 179, 180, 210; rate of, 52–3, 56; in response to wage gap, 184–5; 1776–1871, 16–30, 18–19t, 20–15, 26–7t  
 employment, 87; agricultural, 200, 203–5; casual, 196 (*see also* service-sector employment); effect of Irish immigrants on, 147 (*see also* crowding-out phenomenon [Irish]); internal migration (farm/nonfarm) and, 82–4; manufacturing driving urban, 224–5; nonagricultural, 90–2, 95–6, 202, 209–10, 211–12; sectoral, 206; urban, 109–13, 110–11t, 113t, 226  
 employment distribution: agricultural/nonagricultural, 196–200  
 employment effects: of labor-market failure, 180  
 employment growth, 39, 211–12; in agriculture, 154–5; sources of: 1755–1861, 85–6, 85t  
 employment opportunities, 90, 92, 106, 107  
 employment share industrial: ratio of, to population share urban, 87–9, 88t, 89t  
 enclosures, 9  
*Endangered Lives* (Wohl), 294  
 Engel Curves, 61  
 Engels, Frederick, 7, 220, 231, 246n9, 259, 283  
 environment (city), 2, 231–3, 269; trade-off for commodities, 260–1  
 Essex, 187  
 Europe: city growth in, 3t, 4  
 excess factor demands (city), 59  
 excess labor demands (city), 5, 9, 15, 48, 53, 80–1, 222; matching with excess rural labor supply, 82, 100  
 exchange rate policy, 227  
 expectations hypothesis, 104  
 expected earnings, 106; as motivation for migrant behavior, 225–6
- factor-demand expansion, 213  
 factor-market disequilibrium, 37, 185  
 factor-market failure, 178, 202, 206; in general equilibrium, 203–10, 207t, 208t, 215–18; implications of, 211–13; and overcrowding, 299–300; wage gaps and, 226  
 factor markets, 174; integration of, 179; migrant-selectivity bias and, 47–8  
 factor-productivity growth: in manufacturing, 97–8  
 factor transfers, 53, 200  
 factories, 9, 84, 87–9, 210, 244

## Index

335

- Factory Report(s), 65–6  
 Fairlee, Susan, 203n13  
 famine, 48, 75, 137, 142; and Irish emigration, 29, 43–4, 144, 151–2, 155t, 156  
 Farr, William, 247n10, 259, 282–3, 292, 293, 294  
 Faulkus, M. E., 276, 284  
 Fei, John, 157  
 Feinstein, Charles, 77, 97, 107, 142, 270, 273, 274  
 female children: rearing costs, 69–71, 69f  
 fertility, 25; city/countryside, 11–16, 12–13t  
 fertility rates, 38–9, 40, 48, 49  
 financial institutions: linking city and countryside, 70, 71, 73, 74  
 financial remittances: by migrant children, 70, 71–5  
 Findlay, Ronald, 102–3  
*First Annual Report of the Poor Law Commission*, 131, 161  
 First Industrial Revolution, 16; accumulation rates in, 203; capital-market failure in, 204–5; city growth in, 3–7, 219–30; city immigration rates in, 80–1; factor-market failure in, 211–13; financing, 81; immigrant absorption capacity of cities in, 105–9; labor-saving in, 99; labor supply in, 151–60; urban transition in, 8; urbanization in, 22; urbanization/industrialization relation in, 87, 89–90; *see also* industrial revolution  
 Flinn, Michael, 2, 219, 234–5, 238, 284, 287, 288  
 Fogel, Robert, 286, 287n6  
 food prices, 238–9  
 food production, 238–9  
 France, 288  
 free-rider problem, 294  
 French wars, 84, 129, 187, 212, 238, 246; employment growth during, 85; and wage gap, 181  
 Friedlander, Dov, 9–10, 28n8  
  
 Gaspari, Celeste, 287  
 general equilibrium model, 93, 99, 228; factor-market failure in, 203–10, 207t, 208t, 215–18  
 George, Henry, 239–40  
 Glasgow, 2; Irish immigrants in, 133, 161  
*Glasgow Municipal Commission on the Housing of the Poor*, 299  
*Global Review of Human Settlements* (United Nations), 234  
 Goldin, C., 63n3  
 government intervention: in labor-market failure, 194; *see also* public intervention  
 Grant, James, 94  
 Gray, Malcolm, 28n7  
 Great Sanitation Debate, 280, 281–4  
 Grebenik, E., 9  
 Grossman, Jean, 94  
  
 Haines, Michael, 72  
 Halifax, 244  
 Hammermesh, Daniel, 94  
 Hammond, Barbara, 239, 259  
 Hammond, J. L., 239  
 Harrod, Roy, 269  
 Hatton, T. J., 192  
 health, 293  
 health standards, 260  
 Heaton, Herbert, 268–9, 270  
 hedonic regressions, 262–3, 264  
 Higgs, Robert, 287  
 Hole, James, 295  
 Hoover, Edgar, 36  
 Hopkins, A. G., 90  
 Hoeselitz, Bert, 8, 86–9, 224–5  
 House of Commons, 283  
 housing, 2, 102, 231–66, 269, 281; cost of, 7, 233–43, 236t, 241–2t; demand for, 277; investment in, 270, 273, 305; overcrowding in, 280; quality of, 219, 223, 251, 258; Third World, 220; *see also* decrowding  
 housing industry, 239  
 housing surveys, 240–3  
 Houthakker, Hendrick, 61, 62, 68, 76  
 Huddersfield, 184, 244, 252  
 Hull, 244  
 human capital, 292, 294  
 human capital transfer, 5–6, 37, 67, 75–80, 79t, 81, 223–4; size of, 77–80, 78t  
 Hungry Forties, 43–4, 141, 142; and Irish impact on labor market, 152, 155–6, 155t  
 Hunt, E. H., 106, 130, 178, 179, 182

## 336 Index

- immigrant absorption, 92, 100, 102–28; demand for labor and, 82–101; problems of, 80, 92–4, 95–9
- immigrant flows, 39, 40, 75; Irish, 139–42; size and composition of, 78
- immigrant stock, 39–40
- immigrants: discouraged, returning home, 108, 118n8; job-opportunity motivation of, 86, 102, 106, 117, 123, 124; by region and migrant status, 114t
- immigration (city), 5, 9–11, 16; in city growth, 23–5, 52–3, 221–2; into nonagriculture, 82–4, 83t, 101; restrictions on, 230; 1776–1871, 16–30, 18–19t, 20–1t, 26–7t; wage gap and, 104–5
- immigration rates, 8, 59, 80–1; age-specific, 44f, 45f, 46f; and city growth, 15, 39; migrant-selectivity bias and decline in, 48–51
- income(s): effect of Irish immigrants on, 154; of immigrants, 105; *see also* per capita income; real income per capita
- income distribution: ethnic, 172
- industrial employment, 203; percentage urban to percentage of labor force, 86–9, 88t
- industrial output, 211–12
- industrial revolution (the): failure of labor markets during, 178–218; investment requirements in, 267–70; technological shock in, 53; workers' view of, 257–60; *see also* First Industrial Revolution
- industrial revolutions, 3, 52, 59, 213, 270; deadweight losses in, 211; unbalanced rates of total factor-productivity growth in, 98; wage gaps in, 6
- industrialization, 8, 15, 105, 178, 260, 270, 272, 273, 281; capital-market failure and, 204, 205; city-based, 59; and city growth, 222–3; effect of Irish immigrants on, 131–2, 142, 154–5, 158, 160n8; impact of factor-market failure on, 181, 206, 209, 212; and labor-market disequilibrium, 184; labor-market failure and, 195, 202–3; and mortality rates, 244–6; and overurbanization, 225; rapid, 304; rate of, 157, 222; and urban/rural wage gap, 181; urbanization and, 6, 86–90, 88t, 89t
- Industrialization in the Low Countries* (Mokyr), 158
- industry, 37, 53; in general equilibrium model, 205–10; protection of, 227; rates of return on capital, 204–5
- inequality, 102, 122–3, 129, 142, 150
- infant-mortality rates, 15, 243–6, 243t, 245t, 252, 256, 260; effect on real wage, 247–8, 254; rural-urban differences, 251
- informal urban service-sector; *see* service-sector employment
- infrastructure: capital requirements in, 269, 274; investment in, 7, 270, 305
- in-kind payments, 182, 192–3
- input prices: and labor demand, 96–7
- interest groups, 233
- international migration, 178; effect of Irish immigrants on, 146, 147, 158; farm/nonfarm employment, 82–4
- International Labor Organization, 85
- investment, 187; nonagricultural, 278, 279t; *see also* social overhead investment
- investment behavior: optimal vs. actual, 267–80
- investment demand, 267–70
- investment requirements, 6; industrial revolution and, 81, 267–70
- investment shares in national income, 267–70, 278–9
- “irrational migrant” thesis, 6, 102–5, 124, 225–6
- Ireland, 72, 92; remittances to, 74–5
- Irish emigrants, 42, 60, 93
- Irish immigrants, 6, 9; absorption problem of, 129, 130, 142–50, 143t, 145f, 146f; age selectivity of, 137–9, 140; characteristics of, 132–9; cities of settlement, 133–5, 134t, 136t; crowding-out by, 9, 13, 31, 84, 114, 130–1, 132, 145, 146, 155, 159; earnings of, 115, 120, 123; effect on industrialization, 131–2, 142, 154–5, 158, 160n8; estimation of, 140–1, 161–5; impact on British labor markets, 129–77; impact on labor markets: counterfactuals, 151–6, 153t, 155t; in low-wage occupations, 108, 122, 133, 144, 148; and pauperism, 35–6; as shock troops, 252–3; unemployment, 117

## Index

337

- Irish immigrations, 48, 82; in Hungry Forties, 43–4; and labor-surplus model, 129–32; size of flows, 139–42
- Is Growth Obsolete?* (Nordhaus and Tobin), 232–3
- Japan, 157; Meiji industrialization, 210, 272
- job competition, 159; *see also* crowding-out phenomenon (Irish)
- job creation, 238
- job search, costs of, 195–6
- job uncertainty, 195–6
- Jones, Eric, 185n2, 276, 284
- Kapital, Das* (Marx), 231n2
- Kay-Shuttleworth, James, 131, 220, 231, 234, 246, 259, 260, 283
- Keighley, 244
- Kent, 187
- Keyfitz, Nathan, 23–4
- King, Gregory, 77n11
- King, Willford, 61, 62, 68, 76
- Kuznets, Simon, 179, 185n2, 198, 271
- Kuznets Curve, 215
- Kuznets Effect, 198n11
- labor, 205; and city growth, 219, 225–6; effect of Irish immigration on standard of living of, 129–30; farm, 154–5; gains/losses in labor-market failure, 200–3; and industrial revolution, 257–60; low-wage casual, 107; marginal product of, 226–7; optimal allocation of, 195; quality of, 195; supply price of, 228; *see also* skilled labor; unskilled labor
- labor costs: and city growth, 238–9; and housing costs, 239, 246
- labor demand (city), 6, 15, 16, 39, 59, 181, 222, 238; child labor, 66, 67; and immigrant absorption off the farm, 82–101; measuring shifts in, 95–6; nonagricultural, 86; regional differences in, 17; in service sector, 90; source of shifts in, 96–100, 99t; *see also* excess labor demands (city)
- labor demand, elasticity of, 92–4, 94t, 100; agricultural/nonagricultural, 197–200; and labor-market failure, 201; unskilled labor, 144, 145, 147, 150–1, 156–7, 158–60
- labor-demand growth: unbalanced, 96t
- labor displacement, 98
- labor force: economic condition of, 281–4; impact of Irish immigration on, 140, 141–2
- labor-force growth, 144t
- labor-force growth rates: Irish immigrants, 140, 142, 152
- labor-force needs, 53; natural increase in satisfaction of, 37–9
- labor-force participation rates, 34, 53, 87; of children, 63, 67; of Irish immigrants, 141–2, 152, 166–9
- labor intensity, 7, 92, 93, 94, 267, 270, 276; in agriculture, 154; and investment demand, 267, 268, 269
- labor market(s), 6, 9, 16, 25, 179; city/countryside, 46; and city immigration, 80–1; demographic factors in, 14, 15; impact of Irish on, 129–77; in industrial revolutions, 59; industrialization and, 51–3; integrated, 114, 178, 179, 200–3, 248; interregional, 80; and migrant-selectivity bias, 48; nonagricultural, 90–2, 91f; operation of, 102–9, 226; segmentation of, 140, 148; selectivity in, 108; *see also* pull forces (labor market); push forces (labor market)
- labor market absorption of immigrants, 105, 123–4, 261; general equilibrium, 147–51, 151t; Irish, 129, 130, 142–50, 143t, 145f, 146f; partial equilibrium, 142–7, 145f, 146f; testing competing view of, 113–22
- labor-market disequilibrium, 194, 210, 213, 228; and migration response 181–5
- labor-market failure, 6, 194, 206, 209–10, 212; deadweight losses, 202, 208; distributional impact of, 204; implications of, 211–13; during industrial revolution, 178–218; “partial” general equilibrium analysis, 196–200, 197f; quantitative importance of, 194–200; quantitative importance of: distribution and accumulation effects, 200–3, 201f,t
- labor-markets-failed hypothesis, 178, 179–80

## 338 Index

- labor productivities, 185n2  
labor-saving, 98–9  
labor scarcity, 37, 229, 253; relative, 206–7  
labor supply, 59, 90–2, 100, 159–60; Irish immigrants, 131–2; poor relief and, 253; public-health investment and, 292; surplus rural, 82, 100  
labor-supply elasticity, 80–1, 144–5, 160, 178; and city growth, 238–40; curves, 90, 92; effect on wages, 157  
labor surplus, 37, 222; failure of manufacturing capital to exploit, 210, 212; rural, 15, 203–5, 211  
labor-surplus models, 203, 204, 238; Irish immigration and, 129–32; *see also* classical labor-surplus model  
labor unions, 194  
Lancashire, 72, 246, 255n16  
Lancaster County, 161  
land markets, 239–40  
land scarcity, 219, 233; and costs of housing, 235, 236–7; and rents, 187, 188, 239, 243, 246, 256  
land value: in decrowding, 300–4, 301t  
Landes, David, 267–8, 269, 270, 272, 273, 277  
landlords, 205, 261  
Law, C. M., 10, 17–30, 54, 55–6  
leasehold system, 240  
Leeds, 65, 236, 237, 240, 244; Irish immigrants in, 132, 134  
Leff, Nathaniel, 36–7, 37n9  
Leibenstein, H., 198n10  
Lewis, Cornwall, 139  
Lewis, Frank, 36  
Lewis, W. Arthur, 157, 238, 269, 272, 274  
life-cycle hypothesis, 36, 224  
life expectancy, 195, 258, 276; and living standards, 289f; and per capita income, 289  
Lindert, Peter, 63, 67–8, 84, 166  
Lipton, Michael, 227, 274  
Liverpool, 16, 46, 252; Irish immigrants in, 132, 133, 159  
Lobdell, Richard, 72–3  
London, 14, 16, 35, 46, 240, 252; age distributions, 30; dependency rate, 34; disamenities, 256; Irish immigrants in, 132–4, 159; mortality rate, 258–9; rents in, 194, 242; service sector, 196; wage gap, 182, 184; working environment, 107  
long-run model (British economy), 170–6, 177  
Lowlands, 158  
Macclesfield, 184  
McCloskey, Donald, 98, 196n7, 204  
McCulloch, J. R., 130, 294  
McKenzie, W. A., 62  
McKeown, Thomas, 284–7, 288, 289, 300  
malaria, 290  
male children: rearing costs, 69–71, 70f  
Malthus, Thomas, 130, 157  
Malthusian devil, 144  
Malthusian pressure, 86, 225  
Manchester, 16, 46, 140, 161, 184, 246; children's earnings in, 65, 65t; growth rates, 2, 223; rents in, 240–3; slums in, 220, 234, 283  
Manchester Statistical Society, 240  
*Manual of Public Health and Domestic Economy*, 282  
manufactures, 205  
manufacturing, 92, 149, 212; driving urban employment, 224–5; Irish immigrants in, 154; shifts in labor demand in, 96–100  
manufacturing employment, 84, 85–6  
marginal productivity differentials, 226, 227  
market disequilibrium: deadweight loss of, 199t  
market efficiency, 195  
Marshall's formula, 197  
Marx, K., 85, 98, 156–7, 231n2  
Massachusetts, 64  
Mathias, Peter, 268, 269, 270, 272, 273, 277  
Matthews, R. C. O., 107  
Mayhew, H., 85, 107, 196  
Mazumdar, D., 185n2  
Meeker, Edward, 286, 289–90, 292  
Metropolitan Working Classes' Association, 282  
miasma, 282–3  
middle class, 230  
Midlands, 246  
migrant behavior: and socially optimal migration, 225–6



## Index

339

- migrant flows, 9–11
- migrant selectivity, 5–6, 36, 59–81; counterfactual analysis of, 47–51
- migrant-selectivity bias, 30–4, 39–46, 41t, 42t, 43f, 53, 59, 80–1; *see also* young-adult-selectivity bias
- migrants: human capital transfer in, 75–80; numbers of, 226–9; resource content of, 60–75
- migration, 226; age distribution in, 42; costs of, 133, 135; gains/losses in, 229–30; motivation in, 106, 117, 123, 124; off the farm, 82–101; optimal, 220, 225–6; in response to labor-market disequilibrium, 181–5; step-by-step, 113, 114; wage gap and benefits of, 227–9
- migration rates, 42–6; native-born migrants, 130–1
- migration schedule, standard, 42, 44f
- Mill, John Stuart, 148, 277
- minimum wage legislation, 103
- mining, 96, 149; in general equilibrium model, 205–10
- mining employment, 85, 86
- mobility: constraints on, 213
- models: classic labor-surplus, 156–8; elastic labor-supply, 142–50, 156–60; general equilibrium, 93, 99, 203–10, 215–18, 228; labor-surplus, 129–32, 203, 204, 238; long-run, 170–6, 177; neoclassical, 269; nonfarm labor demand, 90–2, 91f; Todaro, 102–5, 103f, 105–6, 114–18, 122, 123, 124, 195–6, 225–6
- modern sector: technological asymmetry with traditional, 92–3
- modest-investment-requirements view, 267–71, 272, 273, 274, 276, 277
- Mokyr, Joel, 60, 98n6, 158, 204
- monopsony power, 194
- Moral and Physical Condition of the Working Class* (Kay-Shuttleworth), 234, 259
- morbidity (city), 219, 221, 231, 276, 280, 304; crowding and, 298; public-health investment and, 280, 290, 291, 292, 293; city/countryside, 10, 11–16, 12–13t
- mortality (city), 219, 221, 222, 228, 231, 233, 237, 239, 243–6, 251, 257, 258, 276, 281, 304; class-specific, 282; crowding and, 298; public-health investment and, 280, 284–90, 291, 292, 293, 294
- mortality environment (city), 14, 222, 227–8, 229, 256; benign, 244; and marginal social costs of city growth, 230
- mortality rates, 7, 38–9, 38t, 139, 247, 251; children, 68 (*see also* infant-mortality rates); decline in, 258–9, 286–90; young adults, 48; *see also* Crude death rates (CDR)
- Mueller, Eva, 166
- Municipal Corporations Act, 284, 295
- municipal planners, 2, 247, 257; and city growth, 222, 223, 229–30; unresponsiveness of, 279–80
- national income, 195, 196, 197; impact of factor-market failure on, 206; investment shares in, 267–70, 278–9; labor transfer and, 226–7
- native-born/immigrant comparisons, 6
- native-born migrants, 121–2; Irish crowding-out and, 130–1
- natural increase, 5, 8, 48, 90–2; in city growth, 23–5; in satisfaction of city labor-force requirements, 37–9
- natural increase rates, 16, 17, 39; in city growth rates, 52–3; rural/urban, 52, 82; *see also* crude rates of natural increase
- Neal, Larry, 59–60, 77
- Nelson, Verne, 289
- neoclassical model, 157, 158, 260, 269
- New World, 78, 131, 159
- New York, 64
- Newcastle, 184
- nominal earnings differentials, 115
- nominal-wage costs, 243
- nominal-wage gaps, 179–80, 194; comparative assessment of, 185–6, 186t; cost-of-living differentials and, 187–91; decomposing, 193t; rising, 181–4, 182t, 183t
- nominal wages: in building trades, 235; and cost of city living, 239; spurious rise in, 258
- nonagricultural investment, 278, 279t
- nonagricultural employment, 84–90; sectors of, 85–6
- nonagricultural immigration rate, 82–4, 83t, 101

## 340 Index

- nonagricultural labor demand: sources of, 90–100, 91f
- noncompeting groups, 148
- Nordhaus, William, 232–3, 247
- North, Douglass, 73–4
- North of England, 11, 44–5, 114, 131; city population increase in, 17; Irish immigrants to, 135; poor relief in, 192; urban disamenities premium in, 257; urban growth in, 2, 15, 223; urban transition in, 10–11; wage bribe in, 250, 255–6; wage gap in, 182–4, 186, 193–4; wages in, 253
- Northumberland, 240
- null hypothesis: of Chicago School, 195, 196–200
- nutrition, 286, 287–8, 289
- occupation(s): segmentation in, 148–9
- Odling-Smee, J. C., 107
- Ó Grada, Cormac, 60, 94, 130, 167
- Oldham, 252
- open-city approach, 2, 233
- optimists: view of city growth, 1–2, 220, 229, 232, 233, 261
- output(s): in general equilibrium model, 206, 207–8, 210; and labor-market absorption of Irish, 149–50, 172–3
- output demands, 97
- output prices, 96–7
- overurbanization, 87, 90, 102, 222, 232–3; demographic surprises in, 222–3; dependency burden and, 223–4; Hoselitz thesis of, 224–5
- overurbanization debate, 6, 8–9
- Paisley, 159
- parental income, 70–1, 72
- Parliamentary Papers*, 2, 188, 233
- pauperism, 5, 102, 106, 142–4; in cities, 219, 224, 225; Third World, 220; young-adult bias and, 34–6
- Peel, Sir Robert, 93, 260
- per capita income, 4–5, 34, 291; and life expectancy, 289; real, 153t, 154, 156
- pessimists: and city environment, 247, 254, 258, 260; and standard-of-living debate, 231, 250, 298; view of city growth, 1–2, 220, 232–3, 261
- Pinchbeck, Ivy, 192
- Place, Francis, 259
- Polanyi, Karl, 191
- Pollard, Sidney, 82, 101, 106–7, 108, 113, 117, 130, 131, 140, 149, 196, 210n16, 251, 252–3, 254
- pollution, 2, 244, 304
- poor (the): benefits of public-health investment to, 293–4
- Poor Inquiry (1836), 161
- Poor Law Commission, 131
- Poor Law Inquiry (1834), 191
- Poor Law Report*, 244, 245, 251
- Poor Law Unions, 188, 293
- Poor Laws, 9, 34, 72
- poor relief, 37, 108, 180, 186, 225; incidence among unskilled, 142–4; and wage gap, 182, 191–2, 193, 194
- poor-relief payments, 214t, 253
- population growth, 221, 257; Third World, 28
- Population History of England, The* (Wrigley and Schofield), 141
- Postan, Michael, 204, 268–9
- poverty, 102, 122–3, 219, 276–7, 304; Third World, 220
- Prais, S. J., 61, 62, 68, 76
- Preston, 252, 296–7t
- Preston, Samuel, 17, 224, 288, 289
- prices, 93, 150, 233
- private-market failure, 233, 294; in city growth, 219, 220
- private sector: investment demand in, 267–70
- production factors, 149–50; 170–6, 177
- productivity, 98, 179, 200, 246; marginal differentials, 226, 227
- productivity change: unbalanced, 98, 99
- profits, 148, 160; industry, 200, 201, 203, 204, 206, 207, 212; nonagricultural, 209
- protectionism, 93, 97, 227
- public health, 276
- Public Health Act, 284, 295
- public-health infrastructure, 281–4
- public-health investment, 280, 281–98; impact on mortality, 284–90; social rate of return to, 290–1
- public-health reforms, 14, 222
- public intervention: in private-market failure, 294; in social overhead investment, 298

## Index

341

- Public Reform Era, 258, 259  
 public sector: infrastructure requirements, 269  
 public-sector failure, 290; and city growth, 219, 223; and investment in social overhead, 277, 294–8  
 public works investment, 273, 278–9; *see also* social overhead investment  
 pull forces (labor market), 8, 9, 39, 43, 51–2, 53, 92, 102, 107; in Irish immigration, 135, 146, 146f, 159, 169  
 push forces (labor market), 8, 9, 29, 39, 51–2, 53, 86, 87, 92, 102, 107; in Irish emigration, 43–4, 144, 145–6, 145f, 146f, 158–9, 168–9; and overurbanization, 225
- quality of life (city), 3, 219, 231–3, 248, 249, 256, 260, 276  
 quality-of-life differentials, 251
- railroads, 278  
 Ranis, Gustav, 157  
 Ratcliffe, H., 244  
 rate-of-return differentials, 211, 212, 213, 227; city/countryside, 37  
 rate of return, 204–5, 206, 207, 226, 270, 291; private/social, 280; in public-health investment, 284–90  
 Ravenstein, E. G., 42, 106, 113, 114, 178, 179  
 raw materials, 205  
 real GNP, 207  
 real income per capita, 153t, 154, 156  
 real incomes: urban labor, 304  
 real rents, 237, 238  
 real-wage gaps, 180  
 real wages, 93–4, 249t, 255t; effect of infant-mortality rate on, 247–8, 254; effect of Irish immigrants on, 129–30, 132, 144, 145, 147, 150, 152–3, 156; nonfarm, 95; stability of, 156–7, 158; variance across urban locations, 253, 254
- Record, R. G., 286–7  
 Reder, Melvin, 59  
 Redford, Arthur, 106, 130, 178, 191  
 Reform Debates, 2, 223, 226, 261  
 regional cost-of-living differentials, 188–91, 189t  
 regional differences: environmental, 191; in poor relief, 191–2  
 regional disamenity levels, 246  
 regional factors: and city immigration rates, 14, 15, 17; in real wages, 248; in urban transition, 10–11; in wage gap, 182–4, 186, 193–4; *see also* North of England; South of England  
 regional labor markets, 106–7, 149, 159, 178  
 regional price deflators, 252  
 Registrar General, 251; *Annual Reports*, 11, 16, 28n8, 38, 101, 243, 245, 292; data from, 40, 54, 55–6  
 relief, 74, 124, 223–4; *see also* poor relief  
 relief burdens, 34–6, 53, 224; *see also* dependency burdens  
 remittances: international, 73–4; of migrant children, 70, 71–5  
 Remple, Henry, 72–3  
 rent differentials: urban/rural, 187–90, 240–3, 241–2t  
 rents: agricultural, 200, 202, 203, 229–30; factor, 149–50, 172  
 rents (housing), 9, 68–9, 228, 246, 261, 299; land scarcity and, 187, 188, 239, 243, 246, 256; rising, 233, 235–8, 236t, 239, 258  
 rents (landlords), 148, 153, 157  
*Report on the State of the Irish Poor in Great Britain*, 131, 132, 139  
*Reports of the Parliamentary Commissioners of Inquiry into the State of Large Towns and Populous Districts*, 292, 293, 298  
*Report on the Sanitary Conditions of the Labouring Population of Great Britain* (Chadwick), 281–4  
 reserve army, 86, 98, 107, 156, 196, 225  
 Ricardo, David, 157  
 rich (the): benefits of public-health investment to, 292–3  
 Riley, James, 283–4, 288  
 Rogers, Andrei, 23–4  
 Rostow, Walt, 269  
 Rowntree, Seebohm, 61  
*Royal Commission on the Housing of the Industrial Population in Scotland*, 299  
*Royal Commission on the Housing of the Working Classes*, 298–9  
 Royal Commissions, 65, 72

## 342 Index

- rural investment, 78  
rural labor demand, 17  
rural labor markets: segmentation of, 108  
rural labor surplus, 15, 203–5, 211; and city growth, 226  
rural/urban comparisons: children's earnings, 64–71  
Rutland, 240
- Salford, 2  
sanitary reform, 7, 14, 222, 251, 281–98; benefit/cost analysis, 292–4; opposition to, 295–8  
*Sanitary Report*, 229, 242, 245, 288, 291, 292, 298  
sanitation: investment in, 286, 287, 305  
São Paulo, 1  
saving rate(s): demographic factors in, 36–7  
savings, 53, 81, 204, 224  
savings constraint on investment, 267, 269, 277–9  
Schofield, R. S., 10, 11, 17–30, 52, 54, 56, 101, 141, 166, 258–9  
Scotland, 114; Irish immigrants in, 135, 139  
sectoral employment, 206  
*Select Committee on Disturbances in Ireland*, 130  
*Select Committee on Emigration*, 130  
selectivity; *see* migrant selectivity  
self-finance, 204  
Selowsky, M., 198n10  
Sen, A. K., 157–8  
service-sector employment, 8, 84, 85, 104, 105, 107, 123; growth in, 86, 90; Irish in, 144  
service sectors, 102, 144, 225  
services, 96, 102, 149, 223; in general equilibrium model, 205–10  
sewage, 282, 283, 288  
sewage systems, 287, 290, 292  
sex: and urban transition, 11; and unemployment, 117  
sex differentials: age distributions, 32, 32t  
sex distribution, 38–9, 38t, 40; selectivity bias in, 46, 51  
Shannon, H. A., 9  
Sheffield, 244, 252  
Sheffield (prototypical city), 231, 252, 254, 265t, 266t; quality of life in, 244, 249–50, 251  
Shoven, J. B., 198n10  
Simon, Matthew, 74  
Simon, Sir John, 282  
skilled labor, 205; effect of Irish immigrants on, 133, 148; mobility of, 149, 171; scarcity of, 153, 159–60  
slums, 2, 220, 233, 234, 283  
“small country” assumption, 171, 172, 208  
smallpox, 290  
Smith, Adam, 132  
Snow, John, 283  
social classes: in production process, 205; *see also* class mobility  
social costs (city growth), 7  
social overhead, 1, 7, 9, 87, 247, 269; and city growth, 219, 223, 227; and mortality environment, 246; Third World, 220, 233  
social overhead investment, 219, 220–1, 251, 270–80, 305; social rate of return on, 294–8  
social rate of return, 280, 292; on investment in public health, 290–1; on investment in social overhead, 294–8  
social reformers, 229, 231, 280, 284; benefit/cost analysis of, 291–4; views on crowding, 298–9  
Sokoloff, K., 63n3  
Solow, Robert, 269  
South of England, 11, 14, 114, 130–1; city population increase, 17; Irish immigrants in, 135, 159; poor relief in, 191; quality of life in, 246; urban growth in, 15; urban transition in, 10–11; wage bribe in, 250, 255–6; wage gap in, 182, 184, 186, 193–4, 210; young-adult-selectivity bias in, 44–5  
South Shields, 252  
Speenhamland, 34  
squatter settlements, 234  
standard of living: city growth and, 1, 220, 233, 250; of common labor, 257–60; in First Industrial Revolution, 156–8; impact of Irish immigrants on, 6, 129–30, 144, 150, 153, 158, 160, 172; and life expectancy, 289f; of working class in cities, 231  
standard-of-living debate, 62, 231, 250

## Index

343

- Stark, Oded, 72, 73n7  
*State of the Irish Poor in Great Britain, Report on the*, 161–5  
 Stockport, 65, 65t, 252  
 Suffolk, 187  
 Swedish emigrants, 42  
 Sweet Auburn (prototypical rural area), 191, 231, 252, 254, 265t, 266t; quality of life in, 244, 249–50, 251  
 Sydenstricker, Edgar, 61, 62, 68, 76  
 Syrquin, Moshe, 179  
 Szreter, Simon, 288n8
- Taiwan, 81  
 tariffs, 203n13, 227  
 tax system, 37, 260, 295–8  
 Taylor, A. J., 231, 247  
 Taylor, Lance, 158  
 technological change, 53, 87, 98, 156–7, 267, 271  
 terms of trade, 97, 212, 227  
 Third World, 1–2, 98, 103, 244, 268, 270; age distributions, 30, 31t; capital intensity, 272, 274–6; city growth, 23–4, 220, 230, 234; labor saving, 99; overurbanization, 8–9, 86–7, 224–5, 232; population growth, 1; price elasticities, 93; rates of natural increase, 222; rural emigration, 184; urban bias, 226–7; urban labor markets, 123–4; urban transition, 22, 22f; urbanization, 17, 102–5, 179; young-adult-selectivity bias, 30  
 Third World/Great Britain comparisons, 141, 194; absorption of city immigrants, 105–8; birth/death rates, 11–14; children's remittances to parents, 72–3; city growth rates, 2, 5–7, 52–3, 221, 222; city immigration rates, 10, 80; economic development, 157–8; emigration from agriculture, 82, 84; nominal-wage gaps, 185–6, 186t; urban housing costs, 233–5; urban mortality rates, 276; urban transition, 25–30, 52–3; urbanization levels, 4–5  
 Thompson, E. P., 258  
 Thompson, F. M., 205n14  
 Thomson, David, 72  
 Tobin, James, 232–3, 247  
 Todaro, Michael, 23, 86, 225  
 Todaro model, 6, 105–6, 114–18, 122, 123, 124, 195–6, 225–6; city labor markets, 102–5, 103f  
 towns, 251; disamenities, 247–50  
 Toxteth Park, 252  
 traditional sector, 92–3  
 tragedy of the commons, 1  
 transporation (urban), 235, 303, 304  
 Trentham, 236, 238  
 tuberculosis, 282, 284–5, 286, 289  
 Tunzlemann, G. N. von, 98–9  
 Tuttle, Carolyn, 111–12  
 typhoid, 282, 290–1  
 typhus, 284–5
- ugly-city strategy, 220–1, 228, 270, 276, 280, 284, 289–90  
*Unbound Prometheus, The* (Landes), 267–8  
 underemployment, 2, 8, 102, 104, 123; and city growth, 225–6; immigrant, 105  
 underinvestment, 261, 267–309  
 unemployment, 2, 104, 105, 115–17, 116t, 122–3, 124, 148, 225, 226, 281; and city growth, 225–6; disguised, 132, 157, 194; in labor-market failure, 194; rates of, 106; urban workers (1851), 109–13  
 unions, 103  
 United Nations, 23, 220, 224, 229, 234  
 United States, 60, 94, 98, 99; “catching up” among immigrants, 108n3; dependency rate, 36; in-kind payments, 192; public-health investment, 286, 287; social rate of return to public-health investment, 290–1  
 U.S. Commissioner of Labor, 66  
 unskilled labor, 152, 205, 229–30, 248; demand elasticity, 144, 145, 147, 150–1, 156–7, 158–60; earnings of, 181–4; and Irish immigrants, 153, 154, 159; mobility of, 149, 171; wages of, 156, 185–6, 186t  
 upward mobility, 107–8; Irish immigrants, 133, 148–9  
 urban bias, 226–7  
 urban demographic transition, 8–58  
 urban estates, 240  
 urban investment, 78; in First Industrial Revolution, 272–3; *see also* social overhead investment

## 344 Index

- Urban Poor Law parishes, 249t, 250–7
- urban population shares, 23t
- urban-quality-of-life-deterioration thesis, 259–60; *see also* quality of life (city)
- urban registration districts, 57–8t
- urban renewal, 261
- urban/rural differentials: dependency rates, 36–7; mortality rates, 14–15; pauperism, 35–6
- urban-to-urban migration, 106, 108, 114
- urban transition, 5, 30, 52–3, 238–9; population growth in, 24; demographic factors in, 10–11, 48–51, 49f, 52; emigration/immigration and, 9–11; reconstruction of, 17–30, 54–8; Third World, 22, 22f
- urban workers: earnings and unemployment (1851), 109–13, 113t
- urbanization, 1–2, 6, 222–3, 258, 281; cost of, 274; and crude death rates, 14; effect on rents, 187; and environmental deterioration, 259, 260; and industrialization, 8–9, 86–90, 88t, 89t; and land scarcity, 235–6; limits on, 238; and mortality, 246; rate of, 22–3, 23t; Third World, 17, 102–5
- urbanization level: comparative assessment of, 4–5, 4t
- Uselding, Paul, 59–60, 77
- Usher, Dan, 233n3
- USSR: First Five-Year Plan, 81
- van de Walle, Etienne, 288
- wage bribe: urban disamenities and, 246–57
- wage gap(s), 194, 207, 209–10; regional, 178
- wage gaps (urban/rural), 6–7, 15, 37, 80, 103–5, 148, 149, 171, 178, 179–80, 181–5, 186, 211, 248n13; and benefits of additional migration, 227–9; illusory, 187–94; impact of factor-market failure on, 212; and labor-market disequilibrium, 195–200; “partial” general equilibrium analysis, 196–200, 197f, 201f; and private factor-market failure, 226
- wage premium (disamenities), 232, 233, 239, 255–6, 256t
- wages, 106–7, 140; of common labor, 257–8; effect of immigration on, 130; impact of Irish immigrants on, 144–5, 148–50, 160; in manufacturing, 103–4; pull of, 90, 92; stability of, 171; unskilled labor, 156, 185–6, 186t; *see also* nominal wages; real wages
- Wakefield, 252
- Wales, 139, 246
- war debt, 7, 223, 277
- water supply, 282, 283, 288, 290, 292, 294
- Weber, Adna, 10, 23
- Weber, B., 278n3
- West Bromwich, 2, 223
- Whalley, J., 198n10
- Williamson, J. G., 57–8t, 67–8
- Wohl, Anthony, 219, 222, 294, 295
- Woolf, Arthur, 287
- working class: living standards of, 231
- working-class households: children’s earnings in, 62–71
- World Bank, 85, 268
- world market, 205; and labor demand, 96–7, 99
- Wrigley, E. A., 10, 11, 17–30, 52, 54, 56, 101, 141, 166, 258–9
- York, 244
- Yorkshire, 246
- young-adult-selectivity bias, 28; and dependency burden, 223–4; and earnings, 112–13
- young-adult-selectivity-bias hypothesis: tests of, 39–46
- young adults, 5, 15–16; importance of, 34–9; rural emigration of, 213
- young adults in cities, 30–4, 39–46, 41t, 42t, 43f, 80–1; as human capital transfer, 59–60; Irish, 135, 140, 141; and urban transition, 53