Index

absorptive capability
  human capital formation 205, 208, 218–24
  innovation capacity 208, 224–6
  national learning capabilities 208–9, 226–7
  upgrading 13, 15, 207–9
Africa see Sub-Saharan Africa
ALP (average labor productivity) see under labor productivity
ASEAN-6 countries
  capital accumulation 147–9, 152, 155–7
  capital stock 200–201
  consumption trends
    government consumption 89, 93
    private consumption 80, 84–5
    economic performance, generally compared with US 194–5
    trends 40–42, 61–2
  exports
    commercial services 141
    goods and services 106, 110–112
    ICT hardware 137
    manufactured goods 139
GDP 75–6
  growth sources 147–9, 152–3
  share in global GDP 70
imports of goods and services 115, 119–20
investment
  FDI stock trends 143
  fixed investment 97, 102–3
  labor productivity
    ALP as GDP driver 171–3
    ALP growth sources 161–3, 165–9
    TFP 147–9, 153, 159–63, 186
backwardness advantage 13, 15, 206
  technology and know-how 216–18
  trade liberalization 211–16
Bangladesh
  capital accumulation 147–9, 154, 156–7
  capital stock 200–201
  consumption trends
    government consumption 89, 93–4
    private consumption 80, 85–6
  economic performance, generally economic indicators 8
  trends 40, 42, 62–3
  exports
    commercial services 141
    goods and services 106, 112
    ICT hardware 137
    manufactured goods 139
  GDP 76–7
    growth sources 147–9, 153–4
    share in global GDP 70
  imports of goods and services 115, 120–21
  investment
    FDI stock trends 143
    fixed investment 97, 103–4
  labor productivity
    ALP as GDP driver 171–3
    ALP growth sources 161–3, 166–9
    TFP 147–9, 154, 159–63
Cambodia
  capital accumulation 147–9, 152, 155–7
  capital stock 200–201
  economic performance, generally economic indicators 8
  trends 40–42, 61–2
  exports
    commercial services 141
    goods and services 106, 110–112
  GDP 75–6
    growth sources 147–9, 152–3
    share in global GDP 70
The dynamics of economic growth

imports of goods and services 115, 119–20
investment
FDI stock trends 143
labor productivity
ALP as GDP driver 171–3
ALP growth sources 161–3, 165–9
TFP 147–9, 153, 160–63, 186
capital accumulation 147–9, 155–7, 195–6, 198–9
ICT capital 174–8, 180–81
strategic policy framework for 205–7
capital stock 200–201
capitalism, critical factors for 2
catching up and falling behind
GDP per capita rank changes, by country 36–58
GDP per capita rank changes, by group 29–36
China
capital accumulation 146–51, 155–7
capital stock 200–201
capitalism, reasons for avoidance of 2
collection trends
government consumption 88, 91–2, 133, 197
private consumption 79, 82–3, 133, 197
economic performance, generally
business environment
improvements 232–5
compared with US 194–5, 225, 228
development challenges 244
economic indicators 8
globalization, response to 130, 132
governance developments 229–32
and ICT penetration 232–5
inflation rate trends 229–30
innovation capacity improvements 224–6
and patents granted 226
R&D expenditure 224–6
as reliable development model 6
structural change/efficiency
improvements 235–9, 241
trends 5, 11, 14, 39–40, 59–60
emotion and enlightenment under
Deng Xiaoping 21–3
exports
commercial services 127, 140
goods and services 105, 108–9, 133
ICT hardware 122–4, 136
manufactured goods 124–6, 138
GDP 72–4, 133, 197
fixed investment as percentage of 228
gross domestic savings as percentage of 228
growth sources 146–51
share in global GDP 69, 73
imports of goods and services 114, 117–18, 133
investment
FDI stock trends 129, 142, 215, 217
fixed investment 96, 99–100, 130, 133, 196–7
improving conditions for 227–8
labor productivity
ALP as GDP driver 170–71, 173
ALP growth sources 160–64, 167–70
strategic policy framework 211–41
technology and know-how 216–18
trade liberalization 211–16
TFP 146–51, 159–60
urbanization 238–41
World Bank view of prospects 1
Cobb-Douglas aggregate production function 203
commercial services, exports of 125–7, 134–5, 140–41
consumption trends see government consumption; private consumption
Developing Asia
consumption trends
government consumption 87–90, 132–3, 196–7
private consumption 82–6, 130, 132–3, 196–7
economic performance, generally
compared with US 194–5
development challenges 244
inflation rate trends 230
predictions 65–6
trends 58–64, 129–35
and urbanization 238–41
exports
commercial services 125–7, 134–5, 140–41
goods and services 104–12, 132–3
ICT hardware 122–4, 134–7
manufactured goods 124–5, 134–5, 138–9
GDP
capital input 174–6
growth gap, drivers for 173–8
growth sources 146–54, 173–8, 180–83
growth trends 146–54, 178–9, 196–7
share in global GDP 68–72, 130, 132–3, 195–6
and globalization 130, 132, 134
commercial services 125–6, 134–5, 140–41
FDI stock trends 128–9, 134–5, 142–3
ICT hardware exports 122–4, 134–7
manufacturing exports 124–5, 134–5, 138–9
growth sources
ALP as GDP driver 170–73
ALP growth 160–69, 183–6
capital accumulation 147–9, 155–7, 195–6, 198–9
growth drivers 173–8
GDP growth 146–54, 173–8, 180–83
in global context 178–85
ICT capital 174–8, 180–81
savings and investment trends 199–200
TFP growth 147–9, 159–60, 181–3, 242–3
imports of goods and services 112–21, 132–3
investment trends
FDI stock 128–9, 134–5, 142–3, 243
fixed investment 95–104, 130, 132–3, 196–7
patents granted, trends 226
per capita income 26
rank place changes, by country 30–3, 38–42
rank place changes, by group 33–6
Eastern Europe
per capita income 26–7
rank place changes, by country 30–3, 49–52
rank place changes, by group 33–6
economic development
accounting framework 144–5, 188–9
critical factors for 15
economic indicators 8
growth trends 10–11
influence on global economic development 5
reliability as development model 5–6
speed and scale 4–5
calculation formulae 189
ALP and employment shares in GDP growth 192
ALP growth sources 188–9
capital services 190–91
capital stocks 189–90
GDP growth sources 188
labor services 191–2
as transformational process 14
economic reforms, importance of 13
emotion, role of 6, 14
in China under Deng Xiaoping 21–2
in Japan’s Meji Reforms 16
in Singapore under Lee Kuan Yew 20
in South Korea under Park Chung-Hee 18–19
enlightenment, role of 6–7, 14–15
in China under Deng Xiaoping 22–3
in Japan’s Meji Reforms 16–18
in Singapore under Lee Kuan Yew 20–21
in South Korea under Park Chung-Hee 19–20
exports of commercial services 125–7, 134–5, 140–41
exports of goods and services
in ASEAN-6 countries 106, 110–112
in China and India 105, 108–9, 133
ICT hardware exports from
Developing Asia 122–3, 134–7
The dynamics of economic growth

in Industrialized Economies and Rest of the World 104–5, 107–8, 132–3
in SAC-4 countries 106, 112–13
in Tigers-4 economies 105, 109–10
trends 104–6, 107–8
exports of manufactured goods 124–5, 134–5, 138–9

FDI stock trends 128–9, 134–5, 142–3
in China and India 215, 217
fixed investment 196
in ASEAN-6 countries 97
in China and India 96, 99–100, 133, 196–7
in Industrialized Economies/ Rest of the World 95–6, 98–9, 132–3
in SAC-4 countries 97, 103–4
in Tigers-4 economies 97, 100–102
trends 95–8, 130, 132–3

Fogel, R.W. 4, 145

G7 countries
per capita income 26
rank place changes, by country 30–33, 42–4
rank place changes, by group 33–6
GDP
ALP as driver for 169–73, 178
Developing Asia’s share in global GDP, trends 68–72, 130, 132–3, 195–6
growth, sources of 180–83
in ASEAN-6 countries 152–3
in China and India 146, 150–51
in SAC-4 countries 153–4
in Tiger-4 economies 151–2
and ICT capital 145, 147–9, 155–7, 174–8, 180–81
and labor productivity 145, 169–73, 178
and non-ICT capital 145, 147–9, 155–7, 174–8, 180–81
per capita income, 119 country study 26–7
and purchasing power parity (PPP) 28–9
and savings and investment trends 199–200
and TFP growth 145, 147–9, 159–60
globalization
Developing Asia, influences on commercial services 125–7, 134–5, 140–41
FDI stock trends 128–9, 134–5, 142–3
ICT hardware exports 122–4, 134–7
manufacturing exports 124–5, 134–5, 138–9
influence on world economy 24
governance developments 4
in China and India 228–32
government consumption
in ASEAN-6 countries 89, 93
in China and India 88, 91–2, 133
in Industrialized Economies and Rest of the World 87–8, 90, 132–3
in SAC-4 countries 89, 93–5
in Tigers-4 economies 89, 92–3
trends 86–7
growth accounting framework 144–5, 188–9

Hong Kong
capital accumulation 147–9, 151–2, 155–7
capital stock 200–201
consumption trends
government consumption 89, 92–3
private consumption 79, 83–4
economic performance, generally
economic indicators 8
trends 5, 39–41
exports
commercial services 141
goods and services 105, 109–10
ICT hardware 124, 137
manufactured goods 139
GDP 74–5, 147–9, 151–2
imports of goods and services 115, 117–19
investment
FDI stock trends 143
fixed investment 97, 100–102
labor productivity
ALP as GDP driver 170–73
ALP growth sources 161–5, 167–70
human capital formation 205, 208, 218–24
ICT (information and communication technology)
hardware exports from Developing Asia 122–4, 134–7
ICT capital 174–8, 180–81
ICT penetration, in China and India 232–5
influence on world economy 24
imports of goods and services
in ASEAN-6 countries 115, 119–20
in China and India 114, 117–18, 133
in Industrialized Economies and Rest of the World 112–14, 116–17, 132–3
in SAC-4 countries 115, 120–21
in Tigers-4 economies 115, 117–19
trends 112–17
India
capital accumulation 147–51, 156–7
capital stock 200–201
consumption trends
government consumption 88, 91–2, 133, 197
private consumption 82–3, 133, 197
economic performance, generally
business environment
improvements 232–5
compared with US 194–5, 225, 228
development challenges 244
economic indicators 8
globalization, response to 130, 132
governance developments 228–32
ICT penetration 232–5
inflation rate trends 229–30
innovation capacity improvements 224–6
patents granted, trends 226
R&D expenditure 224–6
structural change/efficiency improvements 235–9, 241
trends 5, 11, 14, 39–40, 59–60
exports
commercial services 127, 140
goods and services 105, 108–9, 133
ICT hardware 122–4, 136
manufactured goods 124–6, 138
GDP 72–4, 133, 146–51, 197
fixed investment as percentage of 228
gross domestic savings as percentage of 228
growth sources 146–51
share in global GDP 69
human capital improvements 218–20
imports of goods and services 114, 117–18, 133
investment
FDI stock trends 129, 142, 215, 217
fixed investment 96, 99–100, 130, 133, 196–7
improving conditions for 227–8
labor productivity
ALP as GDP driver 170–71, 173
ALP growth sources 160–64, 167–70
strategic policy framework 211–41
technology and know-how 216–18
trade liberalization 211–12, 214–16
TFP 147–51, 160
urbanization 238–9, 241
Indonesia
capital accumulation 147–9, 152, 156–7
capital stock 200–201
consumption trends
government consumption 89, 93
private consumption 84–5
economic performance, generally
economic indicators 8
trends 40–42, 61–2
exports
commercial services 141
goods and services 106, 110–112
ICT hardware 137
manufactured goods 139
GDP 75–6, 147–9, 152–3
share in global GDP 70
imports of goods and services 115, 119–20
investment
FDI stock trends 143
fixed investment 97, 102–3
labor productivity
   ALP as GDP driver 171–3
   ALP growth sources 161–3, 165–70
   TFP 147–9, 153, 159–60, 186
Industrialized Economies
   consumption trends
      government consumption 87–8, 90, 132–3
      private consumption 79, 81–2, 130, 132–3
exports
   commercial services 125–7, 134–5, 140
   goods and services 104–5, 107–8, 132–3
   ICT hardware 122–3, 134–6
   manufactured goods 124–5, 134–5, 138
GDP
   capital accumulation 198–9
   growth sources 147–9, 180–83
   growth trends 174–9
   share in global GDP 68–9, 71–2, 130, 132–3
   TFP growth 147–9, 181–3
imports of goods and services 112–14, 116–17, 132–3
investment
   FDI stock 128, 134–5, 142
   fixed investment 95–6, 98–9, 130, 132–3
   patents granted, trends 226
   inflation rate trends 229–30
International Comparison Program
   (ICP) 28–9
investment see also FDI; fixed investment
   costs of, reducing 205
   favorable conditions for 15, 207, 209–10, 227–32
   savings and investment, role in GDP growth 199–200
Japan
   emotion and enlightenment 16–18
   Meiji Reforms 2, 16–18
   Jones, C.I. 145
   Jorgenson, D.W. 145
labor productivity
   ALP growth sources 161–70, 174–9, 183–7
   as GDP driver 169–78, 184–6
   capital deepening 167–8, 176–8, 184, 187
   labor quality 167, 169
   TFP growth 169–70, 175–8, 186–7
   growth sources, generally 144–5, 147–9, 157–9
   human capital formation 205, 218–24
Latin America
   per capita income 26
   rank place changes, by country 30–33, 47–9
   rank place changes, by group 33–6
Lucas, R.E. 3
Malaysia
   capital accumulation 147–9, 152, 156–7
   capital stock 200–201
   consumption trends
      government consumption 89, 93
      private consumption 84–5
   economic performance, generally
      economic indicators 8
      trends 40–42, 61–2
exports
   commercial services 141
   goods and services 106, 110–112
   ICT hardware 137
   manufactured goods 139
GDP 75–6
   growth sources 147–9, 152–3
   share in global GDP 70
imports of goods and services 115, 119–20
investment
   FDI stock trends 143
   fixed investment 97, 102–3
labor productivity
   ALP as GDP driver 171–3
   ALP growth sources 161–3, 165–70
   TFP 147–9, 152, 160, 186
Middle East see North Africa and Middle East
Nepal
- capital accumulation 147–9, 154, 156–7
- capital stock 200–201
- economic performance, generally compared with US 200–201
- economic indicators 8
- trends 40, 42, 62–3
- exports
  - commercial services 141
  - goods and services 106, 112–13
  - manufactured goods 139
- GDP 76–7
  - growth sources 147–9, 153–4
  - share in global GDP 70
- imports of goods and services 115, 120–21
- investment
  - FDI stock trends 143
- labor productivity
  - ALP as GDP driver 171–3
  - ALP growth sources 161–3, 166–70
- TFP 147–9, 154, 159–60, 186
- non-G7 countries
- per capita income 26
  - rank place changes, by country 30–33, 45–7
  - rank place changes, by group 33–6
- North Africa and Middle East
- per capita income 27
  - rank place changes, by country 30–33, 55–8
  - rank place changes, by group 33–6
- Pakistan
- capital accumulation 147–9, 154, 156–7
- capital stock 200–201
- consumption trends
  - government consumption 89, 93–5
  - private consumption 85–6
- economic performance, generally
  - economic indicators 8
  - trends 40, 42, 62–3
- exports
  - commercial services 141
  - goods and services 106, 112–13
  - ICT hardware 137
  - manufactured goods 139
- GDP 76–7
  - growth sources 147–9, 153–4
  - share in global GDP 70
- imports of goods and services 115, 120–21
- investment
  - FDI stock trends 143
  - fixed investment 97, 103–4
- labor productivity
  - ALP as GDP driver 171–3
  - ALP growth sources 161–3, 166–70
- TFP 147–9, 154, 160, 186
- patents granted, global trends 225–6
- per capita income 26–7
  - rank place changes
    - by country 30–33, 36–58
    - by group 33–6
- Philippines
- capital accumulation 147–9, 152, 155–7
- capital stock 200–201
- consumption trends
  - government consumption 89, 93
  - private consumption 84–5
- economic performance, generally
  - economic indicators 8
  - trends 40–42, 61–2
- exports
  - commercial services 141
  - goods and services 106, 110–112
  - ICT hardware 137
  - manufactured goods 139
- GDP 75–6
  - growth sources 147–9, 152–3
  - share in global GDP 70
- imports of goods and services 115, 119–20
- investment
  - FDI stock trends 143
  - fixed investment 97, 102–3
- labor productivity
  - ALP as GDP driver 171–3
  - ALP growth sources 161–3, 165–70
- TFP 147–9, 152, 160, 186
- private consumption trends
  - in ASEAN-6 countries 84–5
  - in China and India 82–3, 133
in Industrialized Economies and Rest of the World 79, 81–2, 130, 132–3
in SAC-4 countries 85–6
in Tigers-4 economies 83–4
trends 130, 132–3
purchasing power parity (PPP) 28–9

Rest of the World
consumption trends
government consumption 87–8, 90, 132–3
private consumption 79, 81–2, 130, 132–3
exports
commercial services 125–7, 134–5, 140
goods and services 104–5, 107–8, 132–3
ICT hardware 122–3, 134–6
manufactured goods 124–5, 134–5, 138
GDP
growth sources 147–149, 180–83
growth trends 174–9
share in global GDP 68–9, 71–2, 130, 132–3
TFP growth 181–3
imports of goods and services 112–14, 116–17, 132–3
investment trends
FDI stock 128, 134–5, 142
fixed investment 95–6, 98–9, 130, 132–3
patents granted, trends 226
Romer, Paul 3
Rosenstein-Rodan, P.N. 3–4

SAC-4 countries
capital accumulation 147–9, 154–7
capital stock 200–201
consumption trends
government consumption 89, 93–5
private consumption 85–6
economic performance, generally compared with US 194–5
trends 40, 42, 62–3
exports
commercial services 141
goods and services 106, 112–13
ICT hardware 137
manufactured goods 139
GDP 76–7
growth sources 147–9, 153–4
share in global GDP 70
imports of goods and services 115, 120–21
investment
FDI stock trends 143
fixed investment 97, 103–4
labor productivity
ALP as GDP driver 171–3
ALP growth sources 161–3, 166–70
TFP 147–9, 154, 159–60
savings and investment 199–200
Singapore
capital accumulation 147–9, 151–2, 156–7
capital stock 200–201
consumption trends
government consumption 89, 92–3
private consumption 83–4
economic performance, generally economic indicators 8
trends 5, 39–41, 60–61
emotion and enlightenment under Lee Kuan Yew 20–21
exports
commercial services 141
goods and services 105, 109–10
ICT hardware 124, 137
manufactured goods 139
GDP 74–5
growth sources 147–9, 151–2
share in global GDP 69
imports of goods and services 115, 117–19
investment
FDI stock trends 143
fixed investment 97, 100–102
labor productivity
ALP as GDP driver 170–73
ALP growth sources 161–5, 167–70
TFP 147–9, 151–2, 160, 186
Solow, R.M. 144
South Korea
capital accumulation 147–9, 151–2, 155–7
Index

261

capital stock 200–201
consumption trends
government consumption 89, 92–3
private consumption 83–4
economic performance, generally
economic indicators 8
emotion and enlightenment under
Park Chung-Hee 18–20
exports
commercial services 141
goods and services 105, 109–10
ICT hardware 124, 137
manufactured goods 139
GDP 74–5
growth sources 147–9, 151–2
share in global GDP 69
imports of goods and services 115, 117–19
investment
FDI stock trends 143
fixed investment 97, 100–102
labor productivity
ALP as GDP driver 170–73
ALP growth sources 161–5, 167–70
TFP 147–9, 151–2, 159–60, 186
trends 5, 39–41, 60–61
Sri Lanka
capital accumulation 147–9, 154, 156–7
capital stock 200–201
consumption trends
government consumption 89, 93–5
economic performance, generally
economic indicators 8
trends 40, 42, 62–3
exports
commercial services 141
goods and services 106, 112–13
ICT hardware 137
manufactured goods 139
GDP 76–7
growth sources 147–9, 153–4
share in global GDP 70
imports of goods and services 115, 120–21
investment
FDI stock trends 143
fixed investment 97, 103–4
labor productivity
ALP as GDP driver 171–3
ALP growth sources 161–3, 166–70
TFP 147–9, 154, 159–60
strategic policy framework
absorptive capability 13, 15, 207–9
generally 207
investment, conditions for 15, 207, 209–10, 227–32
structural change, conditions for 207, 209–10
technology and know-how 216–18
trade liberalization 211–16
Sub-Saharan Africa
per capita income 27
rank place changes, by country 30–33, 52–5
rank place changes, by group 33–6
Taiwan
capital accumulation 147–9, 151–2, 156–7
capital stock 200–201
consumption trends
government consumption 89, 92–3
private consumption 83–4
economic performance, generally
economic indicators 8
exports
commercial services 141
goods and services 105, 109–10
ICT hardware 124, 137
manufactured goods 139
GDP 74–5
growth sources 147–9, 151–2
share in global GDP 69
imports of goods and services 115, 117–19
investment
FDI stock trends 143
fixed investment 97, 100–102
labor productivity
ALP as GDP driver 170–73
ALP growth sources 161–5, 167–70
TFP 147–9, 151–2, 159–60, 186
trends 5, 39–41, 60–61
Thailand
- capital accumulation 147–9, 152, 156–7
- capital stock 200–201
- consumption trends
  - government consumption 89, 93
  - private consumption 84–5
- economic performance, generally
  - economic indicators 8
  - trends 5, 40–42, 61–2
- exports
  - commercial services 141
  - goods and services 106, 110–112
  - ICT hardware 137
  - manufactured goods 139
- GDP 75–6
  - growth sources 147–9, 152–3
  - share in global GDP 70
- imports of goods and services 115, 119–20
- investment
  - FDI stock trends 143
  - fixed investment 97, 102–3
- labor productivity
  - ALP as GDP driver 170–73
  - ALP growth sources 161–5, 167–70
  - TFP 147–9, 151–2, 159–60, 186
  - trends 5, 39–41
- total factor productivity (TFP)
  - ALP growth 169–70, 176–8
  - Cobb-Douglas aggregate production function 203
  - efficiency improvements 204–5
  - externalities 204
  - GDP growth sources 145, 147–9, 159–60, 181–3
  - growth trends 4, 202–5
  - technological progress 204
- urbanization 238–41

van Mook, Hubertus 2–3

Vietnam
- capital accumulation 147–9, 152, 155–7
- capital stock 200–201
- consumption trends
  - government consumption 89, 92–3
  - private consumption 83–4
- economic performance, generally
  - compared with US 194–5
- exports
  - commercial services 141
  - goods and services 105, 109–10
  - ICT hardware 124, 137
  - manufactured goods 139
- GDP 74–5
  - growth sources 147–9, 151–2
  - share in global GDP 69
- imports of goods and services 114, 117–19
- investment
  - FDI stock trends 143
  - fixed investment 97, 100–102

Tigers-4 economies
- capital accumulation 147–9, 155–7
- capital stock 200–201
- consumption trends
  - government consumption 89, 92–3
  - private consumption 83–4
- economic performance, generally
  - compared with US 194–5
- exports
  - commercial services 141
  - goods and services 105, 109–10
  - ICT hardware 124, 137
  - manufactured goods 139
- GDP 74–5
  - growth sources 147–9, 151–2
  - share in global GDP 69
- imports of goods and services 114, 117–19
- investment
  - FDI stock trends 143
  - fixed investment 97, 100–102

World Bank
- on Asian economic prospects 1, 3–5

Yifu Lin, Justin 6