

# Index

---

- Air Transport Association (ATA) 198  
All Nippon Airways 198  
*Almanac of China's Foreign Economic Relations and Trade* 87, 89, 92  
ATA 198
- Baily, M. 23  
Bank of Korea 117, 135, 138  
Bartelsman, E. 25  
BEA 41, 116  
Beaulieu, J. 25  
Berndt, E. 42  
Bishop, Y. 97  
Blades, D. 37  
BLS 50, 206  
Boen, H. 88  
Bosworth, B. 1, 25, 216  
Bureau of Economic Analysis (BEA) 41, 116  
Bureau of Labor Statistics (BLS) 50, 206  
Bureau of Mines of the Republic of China 192
- China  
austerity program 82  
capital input  
  industry analysis 105, 107  
  measurement of 100–103  
economic opening 83–93  
  correlation with growth 93–4  
economic reform 77–83  
  agriculture sector reforms 80–81  
  banks 81  
  dual track approach 78, 81, 82  
  fiscal contracting system 80  
  industrial sector 81–2  
  socialist market economy  
    approach 82, 83  
  state-owned enterprises 80, 81, 83  
economy 2, 3, 76  
exchange rate 84  
exports  
  industry analysis 84, 85, 88, 89  
  level of 84, 87, 93  
  manufactured exports 87, 93  
  markets 85, 90–92  
foreign direct investment 85, 87  
  industry analysis 93  
GDP  
  sectoral distribution 78, 79, 80  
imports  
  level of 87, 93  
  manufactured imports 93  
intermediate inputs  
  industry analysis 106, 107  
  methods and data 94, 95, 96  
labor input  
  distribution of employment 78  
  industry analysis 105–6, 107  
  measurement of 96–100  
output  
  industry analysis 103, 104  
  methods and data 94, 95, 96  
  sources of growth 106, 108, 109  
regulation of private sector 77  
secondary sector  
  growth of 77, 78  
subsistence agricultural economy 77  
tariffs, taxes and barriers 84, 85, 86  
TFP growth 103, 104  
  industry analysis 103, 104  
*see also* international comparisons  
  of TFP growth  
*China Agricultural Statistical Yearbook* 102  
*China Statistical Yearbook* 93, 100, 101, 102  
*China Statistical Yearbook on Investment in Fixed Assets* 100  
Chow, G. 83  
Christensen, L. 146, 152  
Collins, S. 1, 216

- Council for Planning and Development Republic of China 206
- Council of Agriculture 191  
*Custom Statistics Year Book of China* 89
- Department of Statistics, Ministry of Economic Affairs 200
- Directorate General of Budget, Accounting and Statistics Executive Yuan (DGBAS) 191, 194, 198, 200, 202, 204, 206
- Economist* 146
- Federal Reserve Board 42
- Feenstra, R. 88
- Fernald, J. 23
- Feuerwerker, A. 100
- Forsgerau, M. 113
- Fraumeni, B. 41, 94, 96, 106, 109, 113
- Fukao, K. 7
- Fullerton, D. 120
- Fuss, M. 42
- GGDC 203, 204, 206
- Gollop, F. 94, 96, 106, 109, 113, 146
- Gronigen Growth and Development Centre (GGDC) 203, 204, 206
- Gu, W. 94
- Gullickson, W. 25, 55
- Ha, B. 131
- Hall, R. 102, 119
- Harper, M. 55
- Hayashi, F. 7
- Herman, S. 41, 43
- Ho, M. 19, 26, 32, 37, 46, 50, 53, 61, 68, 69, 71, 94, 109, 174, 218
- Hong, S. 113
- Hong Kong  
TFP growth 146
- Hyun, J. 120
- ICPA project *see* Research Institute of Economy, Trade and Industry
- Inklaar, R. 194
- Institute of Transportation of the Republic of China 198, 200
- international comparison of economic growth 2, 3
- international comparisons of output and productivity in Japan, South Korea, Taiwan and US methodologies 186, 206, 208, 209–10  
adjusted expenditure PPPs 186–7  
unit value ratios 187–9
- PPPs and relative prices of industry output 190–91  
agriculture 191–2  
communication 199–200  
construction 192, 193–4  
finance, insurance and real estate 203–4, 205  
manufacturing 194–5, 196–7  
mining 192, 193  
other private services 204, 206, 207  
public services 206, 208  
transport 195, 198–9  
utilities 200–201  
wholesale and retail trade 201–3
- international comparisons of TFP growth (Japan in comparison with China, Korea, Taiwan and US) data and methodology 216–18, 230, 235  
capital 218, 224, 225–6, 227, 236  
intermediate inputs 221, 223, 224  
labor 218, 221, 222, 223, 225, 236  
output prices 218–21, 222  
further research 234–5  
relative TFP levels 227, 228, 229, 230, 231, 232, 233  
manufacturing sector 229, 230, 231, 233, 234  
non-manufacturing sector 231, 232
- Jaeger, D. 47
- Japan  
capital input  
industry analysis 15, 16  
measurement of 13–14  
economic growth 2, 215  
gross output growth rate  
industry analysis 15, 16

- industrial competitiveness 215, 233, 234
- intermediate inputs
  - industry analysis 15, 16
  - measurement of 10–11
- labor input 15, 16
  - measurement of 11–13
- TFP growth
  - comparison with Taiwan and US 19, 20, 21, 173–4, 175, 176, 177
  - industry analysis 15, 16, 17, 18, 19
  - measurement of 8–10
  - see also* international comparisons of output and productivity in Japan, South Korea, Taiwan and US; international comparisons of TFP growth
- Japan Air System 198
- Japan Airlines 198
- Jorgenson, D. 2, 3, 4, 7, 18, 19, 21, 23, 24, 25, 26, 29, 32, 37, 42, 43, 46, 50, 53, 61, 68, 69, 71, 94, 96, 102, 106, 109, 113, 119, 120, 146, 147, 152, 172, 174, 186, 187, 216, 218, 219, 234
- Keio University 3, 4, 216
- Kim, J.-I. 1, 5, 114, 128, 137, 146, 147, 175, 176, 177
- Kim, K. 113, 120
- King, M. 120
- Korea
  - capital
    - contribution to output growth 125, 126, 127, 135
    - growth 125, 126, 127, 135
    - manufacturing sector 129
    - measurement of 115–21, 122, 124, 125
    - service sector 128, 130
    - TFP growth 128, 131, 132
  - capital–labor ratio 133, 136, 137
  - capital–output coefficient 131, 133, 136, 137
  - economic growth 2
  - gross output
    - data and methods 114, 115, 122, 124, 138–42
    - growth 114, 124, 125, 126, 127, 135
    - manufacturing sector 128, 129
    - service sector 130
    - sources of growth 114, 125, 126, 127, 137
  - information technology
    - investment in 131, 135
  - intermediate inputs
    - contribution to output growth 126, 127, 135
    - growth 125, 126, 127, 135
    - manufacturing sector 129
    - measurement of 122, 124, 125
    - service sector 130
  - labor input
    - contribution to output growth 126, 127, 135
    - growth 125, 126, 127, 135
    - manufacturing sector 128, 129
    - measurement of 121, 122, 123, 124, 125
    - service sector 130
    - TFP growth 128, 131, 132
  - labor productivity 131, 135, 136
  - manufacturing sector
    - sources of growth 128, 129
    - TFP growth 131
  - service sector
    - sources of growth 128, 130
    - TFP growth 131
- TFP
  - contribution to output growth 125, 126, 127, 137
  - growth 125, 126, 127, 128, 135, 146
  - industry analysis 133, 134
  - manufacturing sector 131
  - service sector 131
  - sources of growth 128, 131, 132
  - see also* international comparisons of output and productivity in Japan, South Korea, Taiwan and US; international comparisons of TFP growth
- Korea Energy Economics Institute 200
- Korea National Statistical Office (NSO) 192, 194, 198, 200, 202
- Krugman, P. 5, 114, 128, 137, 146, 147, 175, 176, 177

- Kumbhakar, S. 148  
 Kung-chia Yeh 100  
 Kuroda, M. 2, 3, 4, 118, 121, 186, 216, 218, 219, 230  
 Kwon, J. 113
- Landau, R. 120  
 Lane, R. 43  
 Lau, L. 1, 5, 114, 128, 137, 146, 147, 175, 176, 177  
 Liang, C.-Y. 146, 147, 176, 177, 211, 218  
 Lin, J. 193, 204  
 Lipsey, R. 88  
 Lovell, C. 148  
 Lum, S. 42
- Maddison, A. 100, 186  
 Matsuura, T. 211  
 Mei, J. 146, 176, 177  
 Ministry of Interior of the Republic of China 192  
 Motohashi, K. 1, 7, 21, 211, 215, 234  
 Moyer, B. 42
- newly industrializing economies (NIEs)  
 TFP growth 146, 147, 175, 176, 177  
 Nishimura, K. 7  
 Nomura, K. 3, 4, 7, 21, 172, 174, 216, 219
- OECD 94, 96, 192, 199, 202, 203, 219  
 Oliner, S. 23, 41, 43  
 Organisation for Economic Co-operation and Development (OECD) 94, 96, 192, 199, 202, 203, 219
- Park, J. 113  
 Prescott, E. 7  
 Pyo, H. 115, 117, 118, 120, 122, 131, 218
- Qian, Y. 78, 83
- Ramnath, S. 23  
 Rao, D. 202
- Ren, R. 94, 103, 218, 219, 226  
 Research and Statistics Department Economic and Industrial Policy Bureau 194, 201–2  
 Research and Statistics Department Minister's Secretariat 192  
 Research Institute of Economy, Trade and Industry (RIETI)  
 International Comparison of Productivity among Asian Countries (ICPA) project 1, 2, 3  
 capital input 3  
 energy input 4  
 future research 21  
 labour input 3–4  
 material input 4  
 output 4  
 period of coverage 2  
 productivity 4  
 Rhee, K.-H. 113  
 RIETI *see* Research Institute of Economy, Trade and Industry
- Sachs, J. 78, 93, 94  
 Schreyer, P. 37, 71  
 Shimpo, K. 7  
 Shirai, M. 7  
 Sichel, D. 23  
 Sorenson, A. 113  
 Spence, A. 49  
 Statistics Bureau Japan 198, 199, 200, 202, 203, 204, 206  
 Stiroh, K. 26, 32, 37, 43, 46, 50, 53, 61, 68, 69, 71, 94, 174, 218  
 Stuijvenwold, E. 194, 202  
 Sun, L. 103, 218, 226  
 Szirmai, A. 94
- Taiwan  
 agriculture sector  
 output growth 164, 165  
 capital input  
 data compilation 151–4, 177–8  
 industry analysis 156, 157, 158  
 data compilation 151–6  
 economic growth 2  
 electricity, gas, and water utilities  
 liberalization of 171  
 output growth 169, 171

- energy input
  - data compilation 155
  - industry analysis 160, 161
- intermediate input
  - data compilation 155–6, 179
  - industry analysis 160, 162
- labor input
  - data compilation 154–5
  - industry analysis 159–60
- manufacturing sector
  - output growth 164, 165, 166, 167, 168, 170–71
- methodology 147–51
- output growth
  - causes of deceleration 163–4, 176
  - industry analysis 156, 157, 176
  - sources of growth 164–72, 176
- service sector
  - output growth 169, 172
- TFP growth 146
  - comparison with Japan and US 173–4, 175, 176, 177
  - industry analysis 160, 161, 162–3, 176
- transportation and communication
  - output growth 169, 172
- see also* international comparisons of output and productivity in Japan, South Korea, Taiwan and US; international comparisons of TFP growth
- Takahashi 211
- Timmer, M. 113, 119, 186, 189, 194, 201, 202, 206, 208
- Triplett, J. 25
- Unicon Research Corporation 48
- United Nations 46
- United States
  - capital
    - contribution to growth 25, 26, 53, 54, 55, 57, 58, 64, 69, 71
    - industry analysis 43, 44, 45
    - measurement of 37–43
  - economic growth 2, 23
  - information technology
    - effect of 23, 24, 45, 53, 71, 72
  - intermediate inputs
    - contribution to growth 24, 53, 54, 55, 56, 57, 66, 67, 69
    - industry analysis 33, 34, 35, 36, 37
    - measurement of 27, 30
  - labor input
    - college-educated workers 24, 25, 26, 53, 71
    - contribution to growth 25, 26, 53, 54, 55, 58, 59, 65, 69, 71
    - industry analysis 50, 51
    - measurement of 45–50
    - numbers of workers 30, 31–2
  - labor productivity growth
    - industry analysis 61–3, 70–71
    - sources of growth 61–3
  - output
    - industry analysis 30, 31, 32, 33, 34, 35, 36, 37
    - measurement of 26–30
    - sources of growth 53–9, 63–9
  - output prices relative to GDP
    - deflator 59, 60, 61
  - restructuring of economy 71–2
- TFP
  - comparison with Taiwan and Japan 19, 20, 21, 173–4, 175, 176, 177
  - contribution to growth 25, 53, 54, 55, 56, 63, 64, 65, 66, 67, 68, 69, 71
  - industry analysis 59, 60, 61
  - see also* international comparisons of output and productivity in Japan, South Korea, Taiwan and US; international comparisons of TFP growth
- US Census Bureau 192, 193, 194, 199, 200, 203
- US Department of Transportation 199
- US Maritime Administration 198
- van Ark, B. 113, 186, 191, 199, 202, 206, 208
- Warner, A. 93, 94
- Whelan, K. 43
- Wing Thye Woo 78, 94
- Won, Y. 120
- World Bank 1
- Xu Xian chun 96

- Yotopoulos, P. 193, 204  
Young, A. 1, 5, 98, 114, 128, 137, 146,  
147, 154, 175, 176, 177, 216  
Ypma, G. 189, 201, 202, 208, 211  
Yu, X. 86
- Yue, X. 98, 100  
Yuhn, K. 113  
Yun, K. 119, 120  
Zheng, H. 219