

# Index

## airline operators

- Airlines of South Australia (ASA) 12, 14, 15, 16, 17, 18, 20, 146
  - Albatross 12, 14, 15
  - American 205
  - America West 177, 181, 183, 185, 188–9, 191–2
  - Atlanta 198
  - British Airways (BA) 72, 141, 105–6, 125, 140–41
  - Commodore 12, 15, 16, 17, 18, 20
  - Continental 131–2, 157, 205
  - easyJet 72, 142, 159, 216
  - Emu 12, 15
  - Eyre Charter 12, 15, 16, 17, 18
  - Lufthansa 198
  - O'Connor 12, 15, 16
  - Opal 12, 15
  - Pan Am 47, 146, 190
  - Rossair 12, 16, 17, 18, 20
  - Ryanair 64, 72, 96–7, 142, 158–9, 171, 216
  - Skytours 12, 14, 15
  - Southwest 26–7
  - Trans Regional 12, 15, 16
  - TWA 146
  - Virgin 125
- airport charges 52–3, 59–60, 65, 77, 95, 111, 113–14, 119, 123, 126, 146, 149–51, 155–6, 206, 208, 215
- Airport Operators Council International (AOCI) 188, 192
- ## airports
- major/international
    - Amsterdam (AMS) 138, 207
    - Belfast International (BFS) 142–3
    - Boston (BOS) 175
    - Brussels (BRU) 138
    - Chicago O'Hare International (ORD) 176–81, 185, 190, 192, 202, 103, 205–6
    - Copenhagen (CPH) 145
    - Frankfurt (FRA) 138, 145, 198

- John F. Kennedy (JFK) 172, 175–9, 181, 185, 190, 192, 202–3, 207
  - LaGuardia (LGA) 172, 175, 177–81, 185, 188–9, 191–2, 202–3
  - London Gatwick (LGW)
  - London Heathrow (LHR) 38, 41–4, 46–8, 52, 54–5, 57–8, 64, 66–7, 69, 73, 79, 82, 85–7, 89–93, 96, 98–101, 103–6, 108–9, 111–14, 117, 119–21, 125–8, 133, 139–41, 146–7, 155, 156, 161–2, 165, 171, 193, 196, 198, 207, 211, 214, 216
  - London Luton (LTN) 44, 48, 90–91, 93, 96–7, 101, 106–9, 120, 124, 142, 156, 158, 161, 165
  - London Stansted (STN) 38, 41, 43–4, 46–8, 64, 69, 73, 77–9, 81–3, 89–103, 105–6, 108–9, 111, 117, 120–21, 124, 131, 139, 142, 155, 156, 158, 161–2
  - Manchester (MAN) 35, 38–9, 52, 55, 57, 66, 69, 73–4, 90–92, 94, 106, 117, 120, 123, 131, 138–9, 155, 156, 157–9, 161–2
  - Minneapolis (MSP) 175
  - Munich (MUC) 138, 145
  - Paris Orly (ORY) 138
  - Rome Fiumicina (Leonardo da Vinci) (FCO) 138
  - San Francisco (SFO) 175
  - Stockholm (SMP) 138
  - Washington National (Ronald Reagan) (DCA) 178
  - Zurich (ZRH) 138
- ## other
- Aberdeen 156, 163–4
  - Adelaide 7, 11–12, 15, 16, 17, 18–19
  - Belfast City 142–3, 155, 164
  - Biggin Hill 156, 163–4
  - Birmingham 48, 106, 156, 159, 161, 164
  - Blackpool 156, 161, 163–4
  - Bournemouth 156, 161, 164

- Bristol 155, 156, 161, 164  
 Bremen 145  
 Broken Hill 12, 14  
 Cambridge 155–6  
 Cardiff 156, 161, 163–4  
 Ceduna 14  
 Cleve 12  
 Doncaster 'Robin Hood' 73, 139, 155, 157, 161–2  
 Dundee 155  
 Durham Tees Valley 155, 156, 163–4  
 Dusseldorf 145  
 East Midlands 155, 157, 162, 164  
 Edinburgh 55–6, 156, 163–4  
 Exeter 156, 161, 163–4  
 Filton 155, 156  
 Glasgow 55–6, 106, 156, 163–4  
 Gloucestershire 154, 156, 165  
 Hamburg 144, 145  
 Hanover 145  
 Humberside 139, 156, 161–4  
 Kiel 145  
 Kinscote 12, 14, 16, 19  
 Leeds/Bradford 163–4  
 Leigh Creek 12  
 Liverpool 23, 95, 121, 156, 159, 161–2, 164  
 London City 44, 155, 156, 161, 163–4  
 Long Beach 175  
 Lydd 155  
 Manston 155, 156  
 Mildura 12, 14  
 Mt Gambier 14, 16  
 Newark 176  
 Newcastle 156, 161, 164  
 Newquay 155, 156  
 Norwich 156, 159, 161, 164  
 Orange County 175  
 Oxford 36, 41, 59, 155, 156  
 Port Augusta 12  
 Port Lincoln 12, 14, 16, 17, 18–19  
 Port Pirie 12  
 Renmark 12  
 Shoreham 155, 156  
 Southampton 41, 156, 161, 163–4  
 Southend 155, 156, 162–5  
 Westchester County 175  
 airside activities/services 56, 59–60, 63, 151  
 Air Transport Association of America (ATA) 179, 188, 190–91  
 Armstrong 93, 97 117  
 Australia 3, 7, 12, 15, 18–20, 37, 45, 65, 127, 132, 150  
     South 3, 7, 15, 18–20  
 Averch, H. and Johnson, L. 45, 93  
     Averch-Johnson effect 45  
 Bailey, E.E. 11, 19, 200, 211  
 Barratt, S.D. 35, 137, 141, 144, 153  
 Baumol, W.J. 5, 8–10  
 Beesley, M. 3, 21, 51, 53, 57, 65, 111, 118  
 Borenstein, S. 197, 210  
 Boyfield, K. 172, 193  
 British Airports Authority (BAA) 35–6, 41–6, 48 51–2, 55–6, 64–7, 69–70, 73–4, 778, 81, 83–91, 93–105, 107–15, 117–21, 123–8, 131, 142, 154, 159, 163  
 Brueckner, J.K. 104, 200–201, 212–13  
 Button, K.J. 137, 210  
 buy-sell rule 179–81, 184, 186–91  
 capacity 4–5, 14, 18, 22, 24–32, 41–2, 47–8, 52, 57–8, 60, 62–4, 69, 78–9, 81–2, 83–5, 88, 90–91, 93–109, 111, 114, 117–20, 123, 126–8, 138, 141, 158, 166–7, 171, 176, 178–9, 187, 189–97, 200–201, 205–9, 212–13, 215–16  
     airport/terminal 4, 24–5, 78, 84, 95, 97–8, 101–2, 111, 127, 138, 166, 192–4, 208, 212  
     excess 4, 31–2, 60, 82, 93, 96, 99, 107, 109, 118  
     post-exit 5  
     runway 69, 98, 103, 119, 126, 195  
     seat 27–8, 30, 105, 192, 205  
     slot 187, 212  
 CAPEX *see* capital expenditure  
 Caves, D.W. 210, 212  
 Chamberlin, E.H. 48, 144  
 Christensen, L.R. 210, 212  
 Civil Aviation Authority (CAA) 21, 35, 38, 41, 53–4, 66, 69–74, 77–80, 82, 92, 96–8, 100–102, 105–6, 108, 111–15, 117, 120–24, 131–2, 142, 146, 151, 156, 158, 162, 196  
 Cold War 131, 139, 157  
 common-till *see* till  
 competition 1, 3, 5, 7–9, 11–12, 14, 16, 21, 23–6, 29, 35–6, 38, 42–9, 51, 55, 63–6,

- 69–70, 72–3, 77–9, 83, 89, 91–2, 94–6, 98, 100, 102, 103, 105–9, 117–18, 123, 125, 128–9, 131–3, 135–45, 147, 149–51, 157–9, 165, 167, 171, 179, 187, 189, 192, 198–9, 202, 206–7, 209, 216
- airport 36, 64, 129, 131–3, 135, 143–4
- Competition Commission (CC) 35, 38, 53, 69–70, 72, 77–9, 95, 98, 100, 107–9, 117–18, 123, 125, 131, 157
- imperfect 135
- perfect 8–9, 29, 187
- complementarities 38, 62–3, 66, 147
- congestion 58, 63, 66, 102–4, 109, 118, 138, 173, 175, 200–201, 206–7, 212–14, 216–17
- charge 200–201, 213
- contestability 3, 7–20, 23, 28, 32
- Cornwall, N. 119, 155
- costs 4, 9–11, 13–14, 19–20, 22, 24, –5, 28–9, 32, 37, 42–4, 46–8, 58, 62–4, 71, 77, 79, 81, 84–7, 94, 96–7, 99, 102–5, 108–10, 114, 118, 127, 131–3, 135–40, 142, 147, 149–51, 153, 158, 162, 165, 194–5, 197, 199–202, 206–8, 210–15
- delay 104, 200, 202, 213
- establishment 212
- marginal 9, 14, 22, 42, 46, 97, 99, 104, 109, 147, 149, 195, 200, 206–7, 213
- operating 77, 81, 84–6, 94, 97, 105, 142, 197, 213, 215
- sunk 8, 10–11, 20, 33, 35, 38–9, 44, 71, 97, 107, 109, 122, 158
- unit 42, 85, 135, 210
- cross-subsidies 9, 81–82, 94, 103, 105, 109
- Czerny, A.I. 172, 209
- de-designation 38, 78, 110
- demerger 63
- de-regulation 3–4, 21–3, 25–6, 54, 63–5, 72, 126, 137
- Doganis, R.S. 138, 162
- dual-till *see* till
- duopoly 3, 23
- Europe 3–4, 23–4, 36, 131–2, 140, 142, 157, 166–7, 190, 205, 209, 213, 216
- European Commission (EC) 4, 21, 119, 171–2, 209
- European Union (EU) 55, 194, 196, 209, 214, 216–17
- economies of scale 8, 11, 46, 63, 135, 138, 143–4, 162, 206, 212
- equilibrium 8, 48, 172, 191, 200, 205, 207, 214
- expenditure
- capital 71, 92, 100, 107–8, 117–21
- CAPEX 71, 117–19, 121
- operational 71
- fares 3–4, 7, 11, 13–14, 16, 18–22, 24–9, 59, 102, 105–6, 123–4, 126, 137, 141–2, 150, 158, 175, 187, 194, 196–7, 199, 210, 213, 215–16
- domestic 22
- economy 14, 105, 137
- full 30
- on-demand 4, 24
- real 25, 59
- stand-by 14
- subsidised 106
- Federal Air Authority (FAA) 172, 176–8, 180–81, 183–6, 188–92, 194, 203
- Forsyth, P. 5, 18, 66, 132, 150, 167, 171
- France 144
- Germany 37, 144
- Gillen, D. 132, 153, 167, 212
- Hatch, J. 7–9
- Helm, D. 114, 118, 120
- High Density Airports Rule (the Rule) 172, 175–9, 184–7, 189–91, 202–3
- Hill, R. 94, 164
- hubs 4, 26, 140–41, 172, 189, 192, 199–201, 209–17
- see also* networks
- Independent Air Fares Committee (IAFC) 12
- Instrument Flight Rules (IFRs) 176
- Instrument landing system (ILS) 158, 154
- International Air Transport Association (IATA) 142, 153, 171, 175, 193–4, 200, 211
- investment 36–7, 41–5, 52–3, 59, 62–3, 65, 78–9, 81, 83–90, 92–5, 97, 99–103, 107–110, 111–15, 117–22, 124–8, 150–51, 157, 171, 187, 198
- under- 79, 118–19, 122, 124
- Ireland 37, 79, 121, 132, 142

- Kahn, A. 5, 28, 30, 210  
 Kleit, A. 205, 216  
 Kobayashi, B. 205, 216  
 Kunz, M. 59, 132, 138, 147
- Littlechild, S. 37, 46, 107, 111, 118, 131, 157  
 Liu, D. 200, 211  
 lock-in 29–32  
 low-cost airlines 72, 91, 100, 104, 109, 137, 142–3, 154, 157, 166–7, 171, 206, 216–17
- market power 36, 44–5, 56, 59, 63, 66, 69, 73, 78, 89, 92, 95, 98, 101, 103, 107–10, 117–19, 121, 123, 131–3, 135–51, 162, 187, 201–2, 205, 210, 214–15, 217
- Mayer, C. 104, 200, 213  
 monopoly 3, 8–9, 11, 20, 22, 24, 29, 37, 44, 36, 53, 55, 57, 63, 91195, 97–8, 111–13, 118, 124, 126, 131, 136, 138, 143, 149–51, 153, 173, 197, 202, 208, 211–13, 215–16
- Monopolies and Mergers Commission (MMC) 53, 57, 64, 84, 95, 97–8, 111–15  
 natural 8–9, 11, 29, 53, 91, 131, 136, 138, 143, 153, 173, 208, 210–12
- Morrison, S.A. 132, 140, 199, 202, 216
- National Business Travel Association (NBTA) 189
- networks 25, 63, 106, 139, 173, 199, 207, 210–12  
 hub-and spoke 26  
 hub-based 25, 209–17
- New Zealand 5, 65–6  
 Ng, C.K. 199, 202
- ‘open skies’ 21  
 opportunism 156, 158  
 Oum, T.H. 140, 150, 210, 212
- Panzar, J.C. 9, 11, 19  
 Payne, N. 35, 81, 88, 93  
 Pels, E. 138, 215  
 predation 4, 9, 21, 25–32, 47, 82, 142, 172, 194, 198–9
- price  
 controls 24, 52  
 post-entry 4–5, 10, 13  
 pre-entry 10, 13  
 pre-exit 32  
 price capping 36, 38, 52–6, 59, 60, 62–4, 66, 69, 70–73, 77–80, 90, 98, 100–101, 109–13, 117, 120–22, 127, 136, 142  
 review 38, 53, 59, 62, 71–3, 80, 117, 121  
 Price Determinations 37–8, 77, 79–80, 131  
 privatisation 33, 35–6, 39, 41–7, 54, 81–3, 87–91, 96, 99  
 profitability 27, 55, 59, 62, 107, 123, 147, 153, 163  
 excessive 55
- rate of return 37, 43, 35–6, 53, 77, 81, 83–4, 89, 92, 94, 98, 112–14, 118  
 regulation 8, 20–21, 33, 35–9, 41, 44–6, 51–67, 69–73, 77–9, 89–90, 92–3, 100–101, 107–8, 110–113, 115, 118, 121–2, 127, 131–2, 135–6, 138, 143, 150–51, 153, 171, 176, 194, 203, 209  
 airport 21, 51, 53–4, 57, 59, 63, 65–7, 71, 122, 127  
 economic 21, 35–8, 51–6, 73, 75, 78–9, 89–90, 92, 98, 107, 118, 122, 131, 135–6, 143, 150–51, 153, 171  
 ex-post 132, 151  
 imperfect 135–6  
 price 38–9, 58, 78, 111, 131  
 price-cap 54, 60, 66, 73, 90, 107, 121  
 rate-of-return 45, 92–3, 107  
 stand-alone 101
- regulatory asset base (RAB) 73, 92–3, 98–101, 103, 109–10, 124, 131
- rents 8, 24, 36–8, 44–6, 54–5, 59–60, 63, 66, 98–9, 105–6, 119, 124–6, 128, 141, 147, 149–51, 163, 171, 187, 195, 198, 201–2, 206, 215–16  
 location 59–61, 126, 147, 149, 151, 163  
 scarcity 24, 54–5, 98, 105, 119, 125, 128, 141, 171, 187, 195, 201, 216
- retail price index  
 RPI-X formula 37, 46, 52, 77, 89, 92–3, 107–8, 111–14
- revenues 9, 28, 36, 38, 42–3, 52–3, 56, 59–60, 79, 81, 87, 92, 94, 96–8, 105, 107, 112–15, 137, 147, 151, 206, 213
- Reynolds, R.J. 9, 13  
 Ridley, N. 35, 81, 93  
 Robinson, C. 3, 51

- routes
  - long-haul 90, 106, 140–41, 143, 149, 154, 159, 205
  - multi-operator 13–14
  - short-haul 91, 105, 142, 144, 154, 206, 217
  - single-operator 14
- safety 7, 176
- Schwartz, M. 9, 13
- Seabright, P. 198–9, 202, 212
- service
  - frequency 15–16, 18–19, 29, 106, 139, 196, 199, 206, 208, 210, 215–16
  - quality 56–7, 71, 73, 93, 104, 126, 136, 157–8, 211–12, 214–15
- Sinai, T. 104, 200, 213
- slots 19, 58, 65, 104, 106, 119, 141, 171–, 175–92, 193–8, 201–3, 204–5, 207–9, 211–17
  - allocation 58, 119, 175, 177, 179, 187, 189, 194–6, 208–9, 212, 214, 216
  - concentration 173, 194, 201–2, 206–8, 209–13, 217
  - distribution 181, 198
  - market for 187, 190, 196
  - purchasing 196
  - trading 171–2, 175–92, 209, 214
  - transfer 181, 197
- Starrs, M. 3, 7, 14
- sustainability 7–19, 95
- Thatcher, M. 35, 167
- ‘Third Package’ 3–4, 21–2
- Thompson, D. 35, 41, 51, 63, 77, 81, 83, 94, 105, 113–14, 118, 120, 136, 138, 196, 215
- till approaches
  - common- 38
  - dual- 38, 70, 123–7, 151
  - single- 38, 52–3, 58–60, 62–3, 65–7, 79–80, 123–7, 151, 128
- Toms, M. 70, 73
- Traffic Distribution Rules (TDRs) 91–2, 96
- Train, K.E. 93, 136
- Trethaway, M.W. 140, 210, 212
- Turvey, R. 37, 69–70, 73, 119, 193
- United Kingdom (UK) 21, 35–7, 39, 41, 44, 47, 51, 55–6, 67, 77–8, 83, 89–91, 93, 95, 99, 101–2, 107, 111–12, 117–18, 122, 125–6, 128, 131–3, 136–9, 142, 144–6, 153–67, 193
  - Office of Fair Trading (OFT) 35, 37, 39, 131, 153
- United States of America (US) 3–5, 11, 22–7, 29–31, 44–5, 55, 57, 66, 77, 87, 111, 128, 137, 140, 146, 151, 171–2, 175–92, 187–8, 190, 193–7, 199, 202, 204, 209, 213, 216
  - Department of Transportation (DoT) 4–5, 25–32, 172, 177–80, 190–91, 203
  - General Accounting Office (GAO) 172, 187, 190, 205, 209, 214–15
- Vickers, J. 93, 97, 99
- Walters, A. 122, 167
- Windle, R.J. 202, 212
- Winston, C. 140, 199
- Wolf, H. 198, 204
- Yarrow, G. 51, 64, 79, 99, 151