

# Index

- Abbot Laboratories, 180
- Academic university *vs*
  - entrepreneurial universities, 208–209
- Act of Supremacy (1534), 31
- Adam Smith's 'Invisible Hand', 147–150
- AIG, 101
- Alitalia Spa, 59–60
- Allocative or productive efficiency, 13
- Amazon.com, 16, 66
- Ambitious firms
  - mission-based innovation driven by, 44–45
  - role in innovation, 44
- Amsterdam, 202
- Ancient Civilisations, 22
- Android alternatives, 15
- Antwerp, 37, 161–162, 166–167, 201–202
- Apple, 113, 177
- ARM Semiconductor Ltd, 15
- Artificial intelligence self-drive component, 113
- Asian Financial Crisis (1997), 20, 104
- Asset-based financing, 18
- Austin Reed, 76–77
- Automotive/Aerospace
  - supply chains, 66–72, 100
- Automotive supply chain, complexity of, 66–72
- Balance of Payments Sudden Stop Events, 104, 117
- Barclays, 101
- Basel Banking Capital Accords, 106, 112, 150–151
- Basel Capital Accords, 18
- 'Big Bang Disruptions', 16
- 'Bilateral Third Country' treaties
  - with Third Nations, 27
- Bio Technology research companies, 85
- Bit-Coin, 156
- BlackBerry, 15–16
- Black Death, 31
- Black swans and conspiracy theory, 128–129
- Blockbuster disrupters, 16
- Block chain international payment system, 153–158
- Boeing Commercial Aerospace, 68–69
- Book market disruption, 64–66
- Bookselling trade, 64–66
- Borders, 65–66
- Boston Consulting Group, 101
- Brexit, 11, 26–27, 42
  - Acts of Parliament and associated Proclamations, role of, 31
  - AD 410 experience, 28–30, 78, 166
  - from adjustment and stabilisation, 36–39
  - assumptions, 136–138

- challenges, 40–41, 213
- changes in purchasing power, 99
- debate, 122
- definition, 27
- EU impacts, 86–87
- EU/UK negotiations, 39
- implications, 85–92
- induced supply chain
  - dislocation, 70
  - 1536–1541 insurrection and challenge, 34–35
- issues emerging from, 28
- issues from previous, 195–200
- lessons from previous, 95–103
- narrative of fear and bullying, 204
- new arrangements, 212
- 1530–1542 Reformation and English departure, 30, 33
- reformation changes and, 33–36
- regional execution, 114–117
- risks, 138
- ‘Stones’ and ‘Ripples’, 94–103
- structural (1529–1540), 31–32
- ‘Take Back Control’ and ‘Reclaim Our Sovereignty’, 121
- UK preparation for, 38–39
- Urban and Supply Chain Catastrophe (AD 410–AD 420), 28–30
- Brexit Day operational imperatives, 110–113
- Business Accelerator Programme, 43
- Business Angels, 18
- Business credit mechanisms, 17–18
- Capital investment funding, 18
- Capital Requirements Directives, 106
- Carnegie, Andrew, 17
- Carry trade, 20
- Cell-based therapies, 14
- Chamberlain, Joseph, 125
- Chambers of Commerce, 188–189
- Commercialisation, 172
- Commercialisation process, 14
- Common Agricultural Policy, 115
- Community Care Act, 81
- Comparative Advantage, theory of, 125
- Complex supply chain players, 66–72
  - Automotive and Defence Contracting sectors, 67
  - Automotive or Aerospace supply chains, 66–72
- Coping with Brexit
  - academic innovations, 171
  - ‘access to finance’ measures, 168
  - asset prices, managing, 150
  - ‘block chain’ approach, 168–170
  - building and growing new and existing firms and killing non-viable firms, 164
  - building high intellectual content value-adding services, 163
  - cost setting, 147–149
  - credit model, 147–150
  - developing negotiating skills, 183
  - efficient supply chains, 165–168
  - entrepreneurial ‘up-skilling’, 182–184

- establishing effective trust and relationships, 162
- event-triggered payment system for MSMEs, 153–158
- export support activities, 160–163
- feasibility study, 183
- financial ombudsman service, 159
- innovation contracts, 170–177
- lending support measures, 145–146
- MSME funding gap, reducing, 144–147
- new trade agreements, 190–195
- patenting of innovations, 179–182
- raising investment and innovation levels, 168
- sharing of problems and solutions, 159–160
- state as entrepreneur, 154–155
- state funding, 172–175
- structure to improve finance flows, 150
- use of proclamation to control public concern, 194
- venture capital funding, 177–179, 183
- vocational training, 184–190
- working with local Regional Development Agencies and Business Support Organisations, 160
- work permit restrictions, 187–188
- Corn Laws, repeal of, 123–125
- Cost-effective human genome mapping, 14
- Creative Destruction, 58
- Cromwell, Thomas, 30, 201
- “Crowding-out” of market sector investment, 133
- Cryptocurrencies, 156
- Customs Declaration Service, 112
- Defence Advanced Research Projects Agency (DARPA), 13–14, 175–177
- Devolution Settlement (1998), 114
- Dismal Science, 128
- Disruption events, 103
  - financial system, 104–106, 202
  - legal and regulatory risk, 106–110
  - ongoing market and technological innovation, 113
  - operational challenges, 110–113, 202
  - regional execution, 114–117
- Dividend rents, 18
- Dynamic efficiency, 13
- E-commerce innovation, 48, 51
- Economic models, 135
- Economic Rent, 131–132
- Efficiency of an economy, 13
  - allocative or productive, 13
  - dynamic, 13
- English Industrial Revolution, 33, 62
- English Taxation, 31
- Enterprise mobility management (EMM), 15
- Entrepreneurs, 17, 204–205
  - capitalism and, 18–21
- Entrepreneurship, 21
- Equipment leasing, 18
- European Aviation and Safety Agency, 107
- European Open Skies Treaty, 110

- European Union
  - 'acquis communautaire', 106
  - Brexit impacts, 86–87
  - Directives, 106
  - EU–UK academic research programmes, 114
  - EU–UK Free Trade Agreement, 111
  - EU/UK negotiations, 39
  - EU/USA Air Safety Treaty, 139
  - EU/US Treaty, 108
  - Free Trade Agreements, 111
  - 'Regulation 216-2008', 107
  - Treaty provisions, 106
  - UK contribution to, 106
- EU/UK Brexit negotiations, 39
- Event Cinema, 82–85
- Facebook, 16, 177
- Fashion retailing and brand identities, 76–78
- Fast fashion, 14
- Fast-growing firms, 44
- Financialisation, effect of, 17–20
- Financial services, 74–75
- Food retailing, 185
- Fraunhofer Institute programme, 174–175
- Free Trade to Chamberlain, 126
- Frittered Debt, 132
- German Automotive Sector,
  - collaborative innovation in, 71
- German GDP vs Dutch GDP, 154–155
- German 'Mittlestand' companies, 174–175
- Good Friday Agreement (1999), 114
- Good Manufacturing Practice (GMP), 110
- Google, 16, 62, 177
- Google Self-Drive test car, 113
- Graphene, 172–173
- Great Debasement of 1544–1551, 36, 194
- Great Repeal Bill, 115
- Grexit, 27
- Grimethorpe, 102–103
- Grimwades, 77–78
- Gulf Cooperation Council (GCC), 162, 186–187
- Hague Documentary Convention, 73
- Hamburg, 37
- 'Hands-on' operational control, 183
- Hansa Research and Development Inc, 177–178
- Hanseatic League, 37
- Heinz, 17
- Henrician Reformation, 32, 201
- Hepworths, 78
- High-growth enterprises, 44, 179
  - role in innovation, 48
- High-growth potential 'big' (or little!) bang disrupters, 61–66
  - annual returns, 63–64
  - book market disruption, 64–66
  - definition, 63
  - examples, 62–63
  - internal rate of return thresholds on business plans, 64
  - technology disrupters, 62–63
- 'High Tech Entrepreneurial SME Patents', 181

- Hjalmar Schacht, 154  
 Huguenots' immigration, 39
- Iceland's 2008 banking collapse, 20–21, 103
- Immigration concerns, 39, 184–186
- Information and data revolution, 14
- Innogenetics N.V., 18
- Innovate UK, 174–175, 181–182
- Innovation, 211  
   in business processes, 16  
   defined, 12–14  
   E-commerce, 48, 51  
   entrepreneurs *vs* professional managers, 17  
   intangible, 48, 51  
   product innovation and consumer expectations, 14–17  
   productivity *vs*, 12–14  
   relationship between low pay and, 51–53  
   technological examples, 14
- Intangible investment, 48, 51
- Internet of Things, 16
- iPhone, 15
- J Hepworth & Son, 78
- Kafala system, 187–188
- Kahoo, 63
- Kendall & Sons, 78
- Knowledge-driven innovators, 82–85
- Labour-intensive service MSMEs, 80–82
- Laffer, Arthur, 20
- Laffer Curve, 129–130
- Laithwaite, Eric, 172
- Lasik eye surgery, 177–178
- Librairie Nouvelle d'Orléans, 64
- Library of Alexandria, 64
- LIDAR (light-based technology), 113
- LIFI, 113, 114
- Linear Induction Motor, 172
- Lloyds, 101
- London, 33, 202  
   economy, 23  
   role as a hub for financial flows, 23  
   Thomas Cromwell's reforms and exit from, 33
- Market and technological innovation, 113–114
- Marshall/Lerner condition, 23, 105
- May, Prime Minister, 27, 94
- Mazzucato, Mariana, 14
- Medical Device Sector, 44
- Merchant Adventurers, 87, 91, 161
- Merchant Adventurers Company, 38
- Micro, Small and Medium Sized Enterprises (MSMEs), 11, 28, 88–90, 142  
   birth of new firms, 58–61  
   business ombudsman service, 158–159  
   by business stage segment sizes, 47  
   central role in innovation, 47  
   characteristics, 209–212  
   definitions, 45, 47  
   employment rate, 48, 49  
   equity return, 54  
   financing costs, 54

- high-growth, 47
- importance to economy, 47–53
- by industry, 46
- in medical device sector, 48
- needs and challenges, 43–44
- opportunity segments, 54–58
- pay rates, 51–53
- pre-tax operating profit
  - adjusted for leasing and R&D, 53
  - as revenue streams, 207–209
  - total factor productivity, 48, 50
- Mission-based innovation, 19, 44–45, 48
- Mobile security, 15
- Mobitex wireless packet-switched data communications networks, 15
- Montague Burton, 77
- MSME-focused Industrial and Commercial Finance Corporation (ICFC), 146
- Multiplier effect, 101
  - Grimethorpe case, 102
- Mutual recognition treaty, 137–138
  
- Natural rate of interest, 132
- Nissan Motor Manufacturing,
  - Brexit-related issues in, 100
- Non-Corporate Savings, 132
- Northern Ireland, 114
- Notcutt, Roger, 79–80
- Notcutts Nurseries, 79–80
  
- One size fits all approach,
  - transformation challenges with, 60–85
  
- Peace of Augsburg (1555), 32
- Polaroid Corporation, 58–59
  
- Poll Tax, 31
- Post-Brexit barriers and impacts
  - agriculture and horticulture, 80
  - automotive supply chain,
    - complexity of, 66–71
  - book market disruption, 64–66
  - capital flows, 75
  - contracting business, 72–73
  - Euro-denominated transactions, 137
  - EU–UK academic research programmes, 114
  - farming and agriculture, 115–117
  - foreign trade patterns and restrictions, 135–136
  - issue of financial services
    - passporting, 74–75, 101
  - issue of mutual recognition of professional qualifications, 73
  - knowledge-driven innovators, 82–85
  - labour-intensive small-scale local businesses, 80–82
  - local retail, artisan products and local services, 75–80
  - multiplier effects on London-based professional/business services, 75
  - mutual recognition on air safety issues, 108
  - small companies and micro exporters, 109
  - structural view-point, 138, 141
  - subsidies, 91
  - transport access, 139
  - treaty cover, 137
  - UK-based Asset Management, 75

- UK-manufactured
  - pharmaceuticals and medical devices, 139
- UK suppliers, 72
- Predatory entrepreneurship, 61
- Private equity, 18
- Productivity, 12–14
  - growth, 12
- Professional managers, 17
- Protestantism, 31
  
- Ready-to-wear products and supplies, 76
- Reformation changes, effects of, 32, 35–36
- Regional remoteness, 114–117
- Relocation, 101
- Research and development programmes, 12
- Research in Motion's (RIM) Blackberry, 15
- Residential mortgage markets, 18
- Risk-weighted assets, 112
- Roman Catholic Church, 30
- Roman Coinage, 29
- Roman pottery supply chains, 166
- Russia, programme of shock therapy, 60–61
  
- Sailing-ship effect, 210
- Schumpeter, J. A., 21, 54, 203, 210
- Scotland, 114–116
- Scotland Act (1998), 115
- Self-driving car, 113–114
- Self-employment, 211
- 50 Shilling Tailor, 77
- Shock therapy, 60–61
- Simple supply chain
  - subcontracting companies, 72
- Small business sector, motivations of, 43
- Smart Phones, 14–16
- Southern Cross Healthcare, 81–82, 92
- Star businesses, 45
- Starting business in France,
  - personal experiences, 77
- Stratford Butterfly Farm, 109
- 'Style'-driven retailer, 78
- Sunset clause, 153
- Supply chains, 165–168
  - Automotive or Aerospace, 66–72, 100
- 'Tamkarum' (merchants), 22
- Technology disrupters, 62–63
- 'Technology-enabling' patents, 180
- Tesla, 113
- Tinkerbell Effect, 129
- Total Factor Productivity, 3
- Trade policy, impact of, 37–38
- Trailblazers, 16
- Treason Act, 31
- Treaty of Versailles (1919), 120, 154
  
- Uber, 63, 113
- UK Bi-Lateral Treaty (1995), 139
- UK Civil Aviation Authority, 107
- UK East Midlands Supply, 70
- UK Film Council, 43
- UK Professional Advice, 73
- UK Zombie companies, 58–61, 92
- United Kingdom
  - ageing society and pensioners, 24
  - 'Ambition Gap' between UK and US MSMEs, 44

- balance of payments, 23
- Conservative (2015–), 43
- consumer spending, 22–23
- contributions to the EU, 106
- Current Trade Balance Deficit, 104
- GDP growth series (1300–1700), 32
- international dependence, 24–25
- investment levels in, 22
- Labour (1997–2010), 43
- Liberal Democrat/Conservative coalition (2010–2015), 43
- manufacturing sector, 24
- regional dynamics, 23
- services sector, 24
- share of labour utilisation, 24
- wage subsidies, 24
- United Kingdom, post-Brexit
  - adoption of free trade, 122
  - government debt to GDP, 133
  - industrial change and tariffs, 125–126
  - mainstream case examples, 127–129
  - potential policy effectiveness, 129–133
  - removal of bureaucratic barriers, 122
  - tariff liberalisation and protection, 122–126
  - unit labour cost reduction, 131
  - wealth distribution, 133
- US–UK bilateral agreement (1995), 107
- Venture Capital market, 18
- Verdoorn’s law, 62
- Wales, 114
- ‘Washington Consensus’ approach, 61
- Waymo, 113
- Weinstock GEC experience, 164–165
- Western economies, 210
- Westminster Parliament, 114, 116
- Work Programme, UK, 72–73
- Zombification, 143