Index

Accord on Capital Regulation (Basel 1, 1988) 326–7
accountability as regulatory tool for policymakers 135–6
criteria and measurement of supervisory structure governance 509–15
extent in EU governance convergence 517–22
importance in supervisory structure governance 500–502
threats to of central bank supervisory functions 211
see also influences ensuring e.g. independence
Acharya, V. 107–8, 123, 317, 320, 322, 335
action, prompt corrective (PCA) as element of solution ensuring regulation 345
activism, monetary policy characteristics and limitations of approach 39–46
debates over permissible extent of 38–9
role involving asset prices 56–8
see also subject e.g. stability, policy
activity, economic requirement for reform of 132–4 role of activist approach to 39–46
Adrian, T. 317, 322, 391–2
Africa influence on supervision and regulation quality 428–9
agencies, credit rating (CRAs) characteristics and criticisms of role 573–5
criticism of stimulation of financial crises 588–91
functions and role 576–82
moral hazard within American 78–9
need and process of regulation, supervision and reform 591–608
remedies for poor supervision and regulation of 79–80
see also elements of role e.g. ratings, sovereign; ratings, structured instruments
AIG (American International Group) 74, 346, 390
Aikman, D. 137, 251
Akram, Q. 271
Aldrich, N. 5
Alesina, A. 472
Alessi, L. 319–20
Alfonso, A. 583
Allen, F. 322
Alsakka, R. 578, 586
American International Group (AIG) 74, 346, 390
Amtenbrink, F. 601
analysis, research on quality of supervision and regulation 423–45
APRA (Australian Prudential Regulation Authority) 494
architectures, financial supervision see structures, financial supervision
Arezki, R. 586
Arnone, M. 214, 465, 477–8
Asia and Pacific influence on supervision and regulation quality 428–9
ASIC (Australian Securities and Investments Commission) 494
assessment and measurement, accountability criteria and nature of supervisory structure governance 509–15
assessment and measurement, risk
- case study involving risk 416–29
- example of index ensuring
governance 152–6
- function and role of CRAs in
579–80
- need for development of risk
tools and methods 245–6
- process in relation to systemic
risk 317–23
- requirements of index ensuring
governance 144–51

see also subject of e.g.
governance, banking;
quality, financial regulation
and supervision; rates and
rating, sovereign; rates and
rating, structured
instruments; stress, financial

see also tools e.g.
standards and
frameworks; tests, stress

assets
- early warning indicators of crises
involving 318–20
- growth and return on average as
measure for bank
performance 188–9

see also prices, asset

symmetry
- as limitation of countercyclicality
406

Australian Prudential Regulation
Authority (APRA) 494
Australian Securities and
Investments Commission
(AISC) 494

authorities, fiscal
- model of role in reducing
excessive risk-taking 110–15
- role in times of financial crises
123–8

see also particular e.g. banks,
central

Avgouleas, EU 347

avoidance, regulation
- as limitation hindering
countercyclicality 403–4

BaFin (Germany) 209
Bagehot, W. 7, 104, 105, 107, 108,
122

bailouts, financial
- strengths and weaknesses as crisis
solution 123–8

balance sheets
- case study of risk to of inclusion
of bets 26–7

Balaskrishnan, R. 276

banking, shadow
- poor regulation of by USA
69–70
remedies for poor supervision
and regulation of 70–71

Bank Credit Analyst reports (USA)
275

Bank of Canada 269, 292–3, 295
Bank of England 5, 35, 36, 84, 151,
158, 185, 209, 248, 269, 292,
293, 295, 297, 324, 454

Bank of Israel 254

Bank of Japan 273–4

bankruptcies
- societal costs of 331–2
see elements preventing e.g.
regulation, financial;
structures, governance

banks, central
- benefits and risks of involvement
in supervision structures
470–71

debate and implications of
responsibilities for
supervision 159–63, 173–4

fieldwork on actions of on
financial instability 277–96,
299–306
governance structures, long and
need for review 140–42,
184–6

model of role in reducing
excessive risk-taking 110–15
reaction to financial instability
273–4

role and functions in markets and
debates 4–10, 81–3, 123–8
role of governors in success of 184–5
see also name e.g. Bank of England; European Central Bank; Federal Reserve
see also requirements for effective e.g. cooperation; credibility; independence; transparency
see also specific roles and targets of activity e.g. communication; exchange, rates of; inflation; interest, rates of; lenders, last resort; policies, monetary; regulation, financial; risks, taking of; stability, price; supervision, financial; transformation, liquidity
banks and banking
behavioral contribution to systemic risk 320–23
building of provisions as method of countercyclicality 392
case study of international quality 416–29
effect on interest rate setting of stress of 293, 294
FSSA, IMF and FSAP assessments of quality 443–5
model of role in excessive risk-taking 110–15
optimization of processes solving excessive risk-taking 117–18
role in times of financial crises 123–8
role within EU financial supervisory structures 491–500
standards measuring quality 416–23
strengths and areas for quality improvement 429–34, 447–52
see also examinations, banks and banking; governance, banking; performance, banking
see also aspects of role e.g. communication
see also type e.g. commercial banks; savings banks; banks, central
BankScope
Bannier, C.E. 577
Barro, R. 89
Bauducco, S. 271, 281–2
Baxa, J. 283, 296
Bear Stearns 96, 341
Becker, B. 603
behaviors, financial institution encouragement of procyclicality by US financial system 75–7
hazards of US compensation encouraging excessive 71–2
remedies for poor supervision and regulation of 73, 77–8
see also influences and particular e.g. procyclicality; risks, systemic and macro-; short-termism
Belgium
greater need to meet cross-border regulatory challenges 443–4
Belke, A. 274, 289
Beltratti, A. 333
Benevolent Financial Stability Committees (BFSCs)
features of use of one non-benevolent supervisor 168–71
features of use of two non-benevolent supervisors 171–2
hierarchical supervision among supervisors 173–4
model of roles and responsibilities 164–8
Berger, H. 184–5, 194–5
Bergsten, C. 360–61
Bernanke, B. 8–9, 10, 132, 272
bets
  case study of introduction in
  balance sheets 26–7
BFSCs see Benevolent Financial
  Stability Committees
boards, of directors
  role in success of central bank
  governance 184–5
boards, policy
  salience of government officials
  on 504–5
Boot, A. 108, 185–6
Borio, C. 272, 273, 317, 318, 319, 392
Born, B. 246, 256
boundaries, financial practise
  as factor limiting regulation
  340–42
  as limitation hindering
  countercyclicality 404–5
Boyer, P. 160, 164, 175
Bretton Woods conference (1944)
  354
Brooks, R. 586
Brousseau, V. 271
Brunnermeier, M. 317, 322, 391–2, 393
bubbles, asset
  as rationale supporting need for
  countercyclicality 387
budgetary independence 508
budgets
  as determinant over bank
  examinations in USA
  549–54
Buiter, W. 94–5, 338
Bulíř, A. 274
Bundesbank 84, 273–4
businesses
  Modigliani/Miller theorem on
  market value of 334
  see also name e.g. ECOFIN;
  Enron
Call Reports (USA) 535–6, 546
Canada
  need for banking independence
  138–40
  relationship of inflation and bank
  governance 149–51
Candelon, B. 586
capital
  case study of use 26–7
  requirement for as method of
  countercyclicality 392
Capital Requirements Directive
  (EU) 579–80, 594
Caprio, G. 402–3, 416, 434
capture, regulatory
  implications of introduction into
  bank supervision 162
Cardarelli, R. 276
Caribbean Catastrophe Risk
  Insurance Facility 368–9
Carlson, M. 275
Carvajal, A. 415
case studies
  bets, capital and private money
  26–7
  ECB approach to price stability
  and output gap closure 41–6
  experience of countercyclical
  policies 393–401
  international regulation and
  supervision quality 416–29
  rules measuring changes in policy
  stability 46
  see also fieldwork research
Cat bonds
  as measure assisting supervision
  structures 367–8
CBFA (Central Bank as Financial
  Authority) index 456–60, 466,
  473–4, 494–7
CBI (central bank independence)
  see independence, central bank
CDS (credit default swap)
  prices of as indicator of systemic
  risk 321
  salience in sovereign credit
  ratings 585
conduct, rules of
as element of CRA European regulation 594–6
Conference of State Bank Supervisors (CSBS) 537, 563–5
conferences, press characteristics and salience as communication 249
confidence loss of as element of systemic risk 316–17
consolidation, financial supervision economic, political and econometric benefits and risks 468–76
of powers in structures of 461 review of structures of within EU 494–500
see also convergence, financial supervision
controls, governance fieldwork measuring impact on banking performance 189–90
convergence, financial supervision characteristics of EU governance structure 500–515, 523–5
extent within EU of governance structure 515–22
review of structures of within EU 494–500
see also consolidation, financial supervision
cooperation as element assisting bank insolvency 370–72
improvement of to meet regulation quality 444–5
necessity for by central banks and government 137–40
coordination, financial supervision debates over structures of 485–7
see also convergence, financial supervision
Cordella, T. 107, 122–3
Core Principles for Effective Banking Supervision (Basel Committee) 416, 422, 429–30, 434–42, 477–8, 503
correlations, tail risk measuring of as method of countercyclicality 391
Council of the European Union 593
countercyclicality and advice for developing countries 407–9
as measure ensuring supervision structures 356–7
case study of Spain and Colombia in utilizing 393–401
limitations and concerns surrounding 401–7
methods of enabling in banking 388–93
rationale supporting need for 386–8
countries, developing advice on utilization of countercyclicality 407–9
CoVaR (conditional value at risk) role as measure of systemic risk 322
CRA see agencies, credit rating CRACs (Credit Rating Agency Assessment Centres) 603
‘creative ambiguity’ (concept) role in possibility of excessive risk-taking 122–3
credibility essentiality of for central bank policy making 36–7
credit control of expansion of as method of countercyclicality 390
excessive availability as rationale for countercyclicality 386, 388
growth and non-performing as bank performance measure 188–9
see also agencies, credit rating
credit default swaps (CDS) 321
prices of as indicator of systemic risk 321
salience in sovereign credit ratings 585
Credit Rating Agency Assessment Centres (CRACs) 603
Credit Rating Agency Reform Act (EU, 2006) 601
crises, financial causes and possible solutions of global 363–74
characteristics of communication during 250–52
characteristics of global, reasons and need for change 66–7
comparison of recent with past situations 132–4
criticism of CRA in stimulating 588–91
early warning indicators of asset fieldwork of banking performance during 188–201
impact upon banking performance 194–8
overview of responses to global 67–9
role of Central Bank as first line of defense 81–3
see also manifestations e.g. fragility, market; shocks, liquidity
see also responses e.g. packages, compensation and rescues; policies, monetary; regulation, financial; supervision, financial
Crockett, A. 390
Cruijzen, C. van der 249–50
CSBS (Conference of State Bank Supervisors) 537, 563–5
Cukierman, A. 184–5, 194–5, 251
Cúrdia, V. 272
Das, U. 500
data and press releases characteristics and salience as communication 249
debts, sovereign criticism of CRA assessment of repayment ability 582–7
defaults, credit swap prices of as indicator of systemic risk 321
salience in sovereign credit ratings 585
De Haan, J. 216, 247, 601
de Larosière Report (1999) 85–6, 593–4
Demirgüç-Kunt, A. 186, 187, 190, 289, 390
departments, state banking drivers determining US banking examinations 547–8
fieldwork results on US drivers of banking examinations 549–65
role in US banking examinations 542–7
detection, risk process in relation to systemic 317–23
Detken, C. 271, 273, 319–20
Diamond, D. 16, 109
Diamond-Dybvig model of runs on banks 12
Dincer, N. 142, 143, 144, 145, 147, 149, 152–6
directors, central bank role in success of central bank governance 184–5
dismissal procedures for supervisory structure personnel 505
diversification, banking structures strengths and weaknesses for financial supervision 185
Djankov, S. 159
Dodd, C. 85
Dodd-Frank Act (2010, USA) 208
Drehmann, M. 317, 318, 319
Dybvig, P. 16
Dynamic Stochastic General
Equilibrium (DSGE) models
of monetary policy 212–13, 270,
272

EBA (European Banking
Authority) 86, 489–90, 594
EC (European Commission) 42–3,
486–7, 489, 586–7, 592–3, 600,
602, 604
ECAI (External Credit Assessment
Institution) 594
ECB (European Central Bank)
32–7, 41–6, 86, 315, 324, 389,
394, 485, 524–5, 580
ECOFIN 490
econometrics
influence as approach to
explaining financial
supervision 473–6
economics
adverse effects on of systemic risk
316–17
impact on regulation and
supervision quality 434–42
influence as approach to
explaining financial
supervision 468–71
need and process of measuring
transparency of 153–4
see also activity, economic
Efficient Regulation (Schleifer) 328
EIA (European Insurance
Authority) 86
Eichengreen, B. 142, 143, 144, 145,
147, 149, 152–6
Eijffinger, S. 142, 323–4
EIOPA (European Insurance and
Occupational Pension
Authority) 490, 594
Eitrheim, Ø. 271
Elliot, J. 415
Emerging Markets Financial Stress
Index (IMF) 258
Enron Corporation 574
equity, return on average
as measure for bank performance
188
ESAs (European Securities
Authorities) 86, 487, 489–90,
522
ESME (European Securities
Market Expert Group) 592,
609
ESRB (European Systemic Risk
Board) 315, 316, 317, 487, 489,
594
ESRC (European Systemic Risk
Council) 86, 209
European Banking Authority
(EBA) 86, 489–90, 594
European Central Bank (ECB)
32–7, 41–6, 86, 315, 324, 389,
394, 485, 524–5, 580
European Commission (EC) 42–3,
486–7, 489, 586–7, 592–3, 600,
602, 604
European Economic Advisory
Group 589
European Insurance and
Occupational Pension
Authority (EIOPA) 490, 594
European Insurance Authority
(EIA) 86
European Parliament 594
European Regulation on Credit
Agencies 593
European Securities Authorities
(ESAs) 86, 487, 489–90, 522
European Securities Market Expert
Group (ESME) 592, 609
European Supervisory Framework
489–90
European Systemic Risk Board
(ESRB) 315, 316, 317, 487,
489, 594
European Systemic Risk Council
(ESRC) 86, 209
European Union
comparison with US reform
proposals 86–7
implications of financial reform
94–5
influence on supervision and regulation quality 428–9
proposals for reform of financial institutions 85–6
regulation of CRAs within 591–608
trends in reform of supervision structures 461
see also elements of banking in e.g. structures, financial supervision
examinations, banks and banking characteristics, tools and processes 534–7, 567–9
drivers determining in USA 547–8
fieldwork results on US determinants driving 549–65
number and type in USA 537–42
role of state banking departments in 542–7
exchange, rates of
effect on interest rate setting of stress of 293, 294
role of central banks in volatility of 95–7
synchronization of policies between currencies 97–8
External Credit Assessment Institution (ECIA) 594

Faia, E. 272
Fannie Mae 80, 341, 346
Federal Banking Supervisory Office (FBSO, Germany) 84
Federal Deposit Insurance Corporation (FDIC) 70, 84, 85, 185, 532, 535, 537–47, 567–9
Federal Deposit Insurance Corporation Improvement Act (FDICIA, 1991) 330, 345, 388, 404–5
Federal Reserve 35, 36, 45, 81–3, 85, 151, 158, 185, 269, 273–4, 295, 324, 526, 529, 531–41, 560

Federal Reserve Board 389
fieldwork research
bank examinations in USA 537–65
banking governance and performance characteristics 187–93
effects of communication on markets 255–62
financial supervision and bank independence 213–31, 234–8
interest rate setting in response to financial instability 277–96, 299–306
quality of supervision and regulation 416–45
use of regression analysis to evaluate banking performance 194–201
see also case studies
see also methods e.g. interviews; releases, press and data; speeches; testimonies
finances, stability of see stability, finances
Financial Institutions Regulatory Administration (FIRA) 85, 86
Financial Services Authority (FSA) 84, 185, 209, 365–6, 454
Financial Services Regulatory Authority (Ireland) 209
Financial Stability Board (FSB) 93, 249, 383, 590
Financial Stability Forum (FSF) 93, 372–3, 589
Financial Stability Reports (FSRs) characteristics and salience as communication 248
role in fieldwork research 255–9, 260–61
salience of views of in normal and crisis times 251
Financial Supervision Unification (FSU) index 456–60, 474, 494–7
Financial System Stability Assessment (FSSA) reports 423, 443–5
FIRA (Financial Institutions Regulatory Administration) 85, 86
‘first best’ as approach to solution of excessive risk-taking 116–17
Fisher, I. 270
Fitch credit agency 576–8, 584, 586, 603
Fonteyne, W. 516
forecasts and trends inflation and growth as element of policy stability 49–52
fragility, market nature and causes of 10–20 role of financial reform in limiting 20–22
frameworks and standards see standards and frameworks
Freixas, X. 106, 107, 108, 122
Friedman, M. 47, 48
Frisell, L. 184
FSA (Financial Services Authority) 84, 185, 209, 365–6, 454
FSB (Financial Stability Board) 93, 249, 383, 590
FSF (Financial Stability Forum) 93, 372–3, 589
FSRs (Financial Stability Reports) characteristics and salience as communication role in fieldwork research 255–9, 260–61 salience of views of in normal and crisis times 251
FSSA (Financial System Stability Assessment) reports 423, 443–5
FSU (Financial Supervision Unification) index 456–60, 474, 494–7
funds, hedge poor regulation of by USA 69–70 remedies for poor supervision and regulation of 70–71
Furine, C. 392
G20 Summits and frameworks 132, 138, 139, 142
GAB (General Arrangements to Borrow) 356
Gale, D. 322
Gambini, A. 465, 477–8
Gande, A. 585
gaps, output case study of activist approach to 41–6 constraint of Phillips curve on closure of 40 salience as element of policy strategies 39
GARCH model of communication effects 255, 259–62
GDP (gross domestic product) impact on regulation and supervision quality 436–7
General Arrangements to Borrow (GAB) 356
geography impact as element of supervision and regulation quality 426–9
Geraats, P.M. 142
Gertler, M. 272
Giovannini, A. 22
Glass Steagell Act (1933, USA) 70 Glass–Steagall restrictions re-imposition of to strengthen financial structures 363–6
Globa financial crises (GFCs) see crises, financial
Global Risk Appetite Index (USA) 275
Global Systemic Risk Facility 366–70
GMT index 214–16, 218–19, 222, 224–7
goals, monetary
fieldwork of bank independence, financial supervision and
213–31, 234–8
Göhlmann, S. 185
Goodfriend, M. 338
Goodhart, C. 107, 140, 159, 247, 270, 347, 392, 404, 405, 407, 603
Gordon, R. 89
Gorton, G. 21
Governing Council (ECB) 52–3, 54, 55, 253
governments
characteristics and salience as communication target 249
necessity for central bank independence from 137–40
see also officials, government
governance, banking
economic benefits and risks of supervision consolidation 468, 469
example of construction of index of 142–5, 152–6
fieldwork measuring characteristics of 187–8
implications of structures on banking industry 333–6
relationship of inflation and 149–51
weaknesses of as rationale for countercyclicality 387–8
see also controls, governance; structures, governance
see also elements e.g. banks, central; International Monetary Fund
see also influences ensuring successful e.g. independence, central bank
see also outcomes e.g. stability, financial
governance, supervisory structures
convergence in nature and similarity in EU 500–515, 523–5
extent within EU 515–22
grading
case study of regulation quality involving 416–29
see also tools e.g. standards and frameworks
Gramm-Leach-Bliley Act (1999, USA) 70
Greenspan, A. 9
Grilli, V. 214
gross domestic product (GDP) impact on regulation and supervision quality 436–7
growth
asset and loan as measure for bank performance 188–9
forecasts of as element of policy stability 49–52
Gruen, D. 272
Güttler, A. 579
Gwilym, O. ap 578, 586
Haldane, A. 137
Hardy, D. 160
Harmonised Index of Consumer Prices (HICP) 32, 33
Hart, O. 317, 321, 322–3, 335
Hasan, I. 183
Hatsuis, J. 145
hazards, moral
American rating agencies as 78–9
risk of stimulating in financial supervision 210–11
hearings, parliamentary
characteristics and salience as communication 249
HICP (Harmonised Index of Consumer Prices) 32, 33
Hill, P. 584
Hirsch, C.W. 577
Hölmstrom, B. 11, 12–13, 14, 16
horizontal (peaks) model of banking supervision structures 462–4
Huang, H. 107
Huizinga, H. 186, 187, 190
Hüpkes, E. 347, 500
hybrid model of banking supervision structures 463–4
IAIS (International Association of Insurance Supervisors) 416
ICP (Insurance Core Principles) 416, 418, 421, 423, 429, 449
IFEMA (International Foreign Exchange Master Agreement) 371
Illing, M. 275
IMF (International Monetary Fund) 41–2, 45, 133–4, 140, 365, 368–70, 375–9, 413, 420–22, 443–5, 573–4
IMFC (International Monetary and Financial Committee) 375, 376, 377, 379
immunity, legal
salience in supervisory structure governance 503–4
income
impact as element of supervision and regulation quality 425–6
impact of on regulation and supervision quality 434, 435
independence
extent in EU governance convergence 517–22
salience for supervisory structure governance 502
see also outcomes e.g. governance; transparency
see also types e.g. budgetary independence; institutional independence; regulatory and supervisory independence
independence, central bank (CBI)
essentiality of for policy making 35–7
fieldwork exploring impact of supervision on 213–31, 234–8
implications in time of crisis 90–92
necessity of from governments 137–40
salience as variable of country level governance 190
see also outcomes e.g. governance; transparency
independent bank examinations
drivers determining in USA 547–8
fieldwork results on US determinants driving 549–65
number and trends in USA 537–42
indexes and indices
characteristics and use of financial stress 274–6
example of transparency and governance indexes 142–5, 152–6
suggestions for improved transparency and governance 145–51
see also name e.g. Central Bank as Financial Authority index; Financial Supervision Unification index; Kaufmann, Kraay and Mastruzzi
Index of Financial Health (USA) 275
indicators, financial
for early warning of asset crises 318–20
inflation
forecasts of as element of policy stability 49–52
monitoring of as essential policy strategy 38
relationship to bank governance 149–51
role of activist approach to 39–46
role of central banks in controlling 33–8
see also controls e.g. rates and rating, interest information

asymmetric nature of possession of in times of crisis 328–9
responsibility of BFSC in scrutinizing 164–5
salience of concerning risk in bank supervision 160–61, 167–74

INSOL (International Association of Restructuring, Insolvency and Bankruptcy Professionals) 370–71

insolvency
need for forum supervising 370–72

instability, financial
empirical evidence of monetary rules and 273–4
models of interest rates and 280–88
theories of relationship with monetary policies 270–72
see also stability, financial; stress, financial
see also elements influencing e.g. procyclicality
institutional independence 503–5
institutions, financial effects of external influences 329–32
model of role in excessive risk-taking 110–15
role and features of policy ensuring safe policies 32–8
role of central banks in supervision and regulation 83–92
role of reform in limiting financial fragility 20–22
see also behaviors, financial institution
see also elements and players e.g. managers and management; markets, financial

see also types and name e.g. agencies, credit rating e.g. banks and banking; European Central Bank; Federal Reserve; insurance instruments, structured rating of as criticism of CRA assessments of 588–91

insurance
areas for improvement of quality of 429–34, 448–51
outcomes of fieldwork measuring regulation quality 423–45
standards measuring regulation quality 416–23

Insurance Core Principles (ICP) 416, 418, 421, 423, 429, 449
integrated (unified) model of banking supervision structures 462–64
integration, financial supervision history and current status of structures of 454–5
of powers in structures of 465
see also consolidation, financial supervision

interconnectedness
prevalence of as rationale for countercyclicality 387

interest, rates of see rates and rating, interest

intermediation
failure in relation to mortgage securitization 80
remedies to ensure efficient 81

International Association of Insurance Supervisors (IAIS) 416

International Association of Restructuring, Insolvency and Bankruptcy Professionals (INSOL) 370–71

International Bar Association 371

International Foreign Exchange Master Agreement (IFEMA) 371
International Monetary and Financial Committee (IMFC) 375, 376, 377, 379
International Monetary Fund (IMF) 41–2, 45, 133–4, 140, 365, 368–70, 375–9, 413, 420–22, 443–5, 573–4
International Organization of Securities Commission (IOSCO) 416, 591
International Swaps and Derivatives Association (ISDA) Agreement 371
intervention review and realignment of market governance 141
use of direct in cases of volatility of exchange rates 97
interviews characteristics and salience as communication 249
role in fieldwork research 255–9, 260–61
IOSCO (International Organization of Securities Commission) 416, 591
ISDA (International Swaps and Derivatives Association) Agreement 371
Issing Committee 582, 603
‘Jackson hole consensus’ 252–3
Jaramillo, L. 583
Jimenez, G. 394
joint bank examinations drivers determining in USA 547–8
fieldwork results on US determinants driving 549–65 number and trends in USA 537–42
judicial accountability 511–13
Kahn, C. 109, 169
Kahneman, D. 386
Kashyap, A. 366
Kansas City Financial Stress Index 276
Kaufmann, D. 189, 434–42
Kaufmann, Kraay and Mastruzzi (KKZ) index of country level governance 189
Kay, J. 332, 344–5
Kazemi, H. 585
Keynes, J. 385
Kim, Ch-J. 284
Kiyotaki, N. 322
Klomp, J. 216
Klose, J. 274, 289
Koch, D. 393
Korea relationship of inflation and bank governance 149–51
Kotlikoff, L. 344–5
Kraay, A. 189, 434–42
Kuttner, K. 184
Kydland, F. 89
Laeven, L. 402
Laffont, J.-J. 163
Lamfalussy framework 486, 489–90, 593
Larosière, J. de 486, 489
LCVI (Liquidity, Credit and Volatility Index) (USA) 275
Lehman Brothers 68, 74, 76, 80, 81, 96, 331, 332, 346, 574
lenders, last resort (LLR) overview of research on policy and solvency 106–10
see also type e.g. banks, central
Levine, R. 402–3, 416, 434
Levy-Yeyati, E. 107, 122–3
Li, L. 271, 274, 289
licenses and licensing salience for regulatory and supervisory independence 507
liquidity dispatching of as element of market frigidity 12–16
salience of provision in times of crisis 104–6
salience of TBTF and TCTF in relation to 107–8

see also shocks, liquidity; transformation, liquidity

Liquidity, Credit and Volatility Index (LCVI, USA) 275

Liu, Y. 275

LLR (lenders of last resort)

overview of research on policy and solvency 106–10

see also type e.g. banks, central loans

control of expansion of as method of countercyclicality 390

excessive availability as rationale for countercyclicality 386, 388

growth and non-performing as bank performance measure 188–9

see also agencies, credit rating

London Stock Exchange 333

Lowe, P. 272, 273, 318, 319, 392

Ludsteck, J. 284

management and managers, crisis salience and impact of portfolio on market fragility 16–17

salience of liquidity provision and rescue packages 104–6

marginal expected shortfall (MES) 320

markets, financial characteristics and salience as communication target 249

fieldwork on impact of communication on 255–62

relationships with supervision consolidation 469–70

role of central banks 7–10

role of IMF in ensuring cooperation and stability 140

see also intervention

see also functions and outcomes e.g. fragility, market;

transformation, liquidity; values, market

markets, stock effect on interest rate setting of stress of 293, 294

market_vs._bank

salience as variable of country level governance 190

Markowitz 327

Martimort, D. 163

Martin, W. McChesney 254

Masciandaro, D. 214, 508, 510, 515–17, 519

Mastruzzi, M. 189, 434–42

Mathis, J. 581

measurement and assessment see assessment and measurement

MES (marginal expected shortfall) 320

Mestor, L. 183

Middle East and Central Asia influence on supervision and regulation quality 428–9

Milbourn, T. 603

Miller, M. 334

Mishkin, F. 269

Model Law on Cross-Border Insolvency (1997) 371

models and theories control of excessive risk-taking 110–15

EU financial supervisory structures 493–4

financial regulation 164–8

financial supervision structures 462–4

GARCH model of communication effects 255, 259–62

interest rates and financial instability 280–88

monetary policy 212–13

relationship between policy and financial instability 270–72

Modigliani-Miller theorem on company market value 334

Mogdighiani, F. 334

Monacelli, T. 272
monitoring, banks and banking see examination, banks and banking
Moody, J. 573
Moody’s credit agency 576–8, 584, 586–7, 603
Moore, J. 322
Morris, S. 76, 98
mortgages
failure of intermediation for securitization of 80
Mujagic, E. 323–4
Munich Reinsurance Company 369
NAB (New Arrangements to Borrow) 356
Nationally Recognized Statistical Rating Organizations (NRSROs) 601
National Monetary Commission (USA) 5
National Mortgage Association (Fannie Mae) 80, 341, 346
Nelson, D. 255, 259–62
Nelson, P. 137
Netherlands
greater need to meet cross-border regulatory challenges 444
New Arrangements to Borrow (NAB) 356
New York Clearinghouse Association 5
Nieto, M. 508, 510, 515–17, 519
Nolle, D. 465, 476–7
Norges Bank 248
Northern Rock 333
notices, press and data
characteristics and salience as communication 249
Novoa, A. 499, 522
NRSROs (Nationally Recognized Statistical Rating Organizations) 601
Obama, B. 208, 334
objectives-based model of supervisory structures 493–4
Objectives and Principles of Securities Regulation 416, 433–42
objectivity
as obligatory for credit ratings 580–81
OECD (Organisation for Economic Co-operation and Development) 461
Office of the Comptroller of the Currency (OCC, USA) 185, 545–6
officials, government
salience in supervisory structure governance 504–5
Oosterloo, S. 247, 248
optimism
as approach to solving risk-taking 117–18
Organisation for Economic Co-operation and Development (OECD) 461
outlooks
role in work of credit rating agencies 577
‘output gaps’
case study of activist approach to 41–6
constraint of Phillips curve on closure of 40
salience as element of policy strategies 39
ownership, foreign
impact on bank profits and performance 186
salience as variable of country level governance 189–90
Pacific and Asia
influence on supervision and regulation quality 428–9
packages, compensation and rescue
encouragement of by US financial system 71–2
excessive payment of as rationale for countercyclicality 387
Index

remedies for poor supervision and regulation of 73
salience of provision in times of crisis 104–6

see also particular e.g. bailouts, financial
Pagano, M. 574
Papademos, L. 30, 31, 58
Parigi, B. 106, 107, 108
parliaments
characteristics and salience as communication target 249
Parsley, D. 585
Paulson, H. 461–2
payments
salience in process of regulation 92
PCA (prompt corrective action)
as element of solution ensuring regulation 345
peaks (horizontal) model of banking supervision structures 462–4
Peek, J. 159
performance, banking
characteristics and process of fieldwork measuring 188–201
impact of crisis periods upon 196–8
impact of pre-crisis periods upon 194–6
see also influences e.g. competition; ownership, foreign; structures, financial supervision; structures, governance
see also outcomes and requirements e.g. profits, bank; stability, financial
Persaud, A. 392, 404
Phillips curve
as constraint to price stability and output gap closure 40
Phumiwasana, T. 465, 476–7
Podpiera, R. 465, 477
polarization, supervisory structures
policy implications of within EU 499
policies, monetary
characteristics and role of central banks in ensuring 32–8
characteristics of as solution to financial crisis 135–7
empirical evidence of financial instability and 273–4
essentiality of to ensure good practice 38–9
impact on market fragility 10–20
implications for central banks in time of crisis 90–92
need for independence and cooperation in forming and using 137–40
preventing systemic risk within banking 323–4
theories of relationship with financial instability 270–72
see also strategies, monetary policy; synchronization, monetary policies
see also areas of responsibility e.g. regulation, financial; supervision, financial
see also elements and subjects of e.g. closure; communication; countercyclicality; goals, monetary; rates and rating, interest; supervision, financial
see also influences e.g. polarization, supervisory structures
see also players e.g. boards, policy; lenders, last resort
political accountability 509–11
politics
benefits and risks of relationship with supervision consolidation 468, 469
fieldwork on impact on bank independence and supervision 213–31, 234–8
influence as approach to explaining financial supervision 471–3
need and process of measuring transparency of 152–3
see also elements e.g. governments
Ponce, J. 160, 163, 164, 175
Posen, A. 184, 272
Post Office Savings Bank 3 (POSB) 40
powers, consolidation of trends in financial supervision structures 465
PPIP (Public-Private Partnership Investment Programme) 96
Prast, H. 508, 510, 515–17, 519
predictability salience as element of communication 251–2
preferences responsibility of BFSC in scrutinizing 164–5
Prescott, E. 89
press and data releases characteristics and salience as communication 249
prices, asset role of policy activism 56–8 slowing of as method of countercyclicality 390
prices, stability of see stability, price
procedures, dismissal for supervisory structure personnel 505
procedures, monetary need and process of measuring transparency of 154
procyclicality encouragement in behavior by US financial system 75–7 need for avoidance of 383–5 remedies for poor supervision and regulation of 77–8 role as external influence on financial institutions 330
see also methods of coping with e.g. countercyclicality professionalism salience in process of regulation 92
Profile of State Chartered Banking (Conference of State Bank Supervisors) 537, 541
profits, bank impact on banking performance 186
programs, banking examination see examinations, banks and banking
prompt corrective action (PCA) as element of solution ensuring regulation 345
provisions, bank building of as method of countercyclicality 392
Prudential Regulatory Authority 209
public characteristics and salience as communication target 249–50
Public-Private Partnership Investment Programme (PPIP) 96
quality, financial regulation and supervision case study of international 416–29
FSSA, IMF and FSAP assessments 443–5
impact of economics on 434–42 outcomes of fieldwork measuring 423–5
standards measuring 416–23 strengths of and areas for improvement 427–34, 447–52 see also maintenance processes e.g. examinations, banks and banking
Quintyn, M. 159, 500–502, 503, 506, 508, 511, 513, 516
Index

Rajan, R. 109, 366, 387
Ramirez, S. 500–502, 503, 506, 508, 511, 513, 516
rates and rating, credit
characteristics and role 570–76
see also particular e.g. rates and rating, sovereigns; rates and rating, structured instruments
rates and rating, exchange
effect on interest rate setting of stress of 293, 294
role of central banks in volatility of 95–7
synchronization of policies between currencies 97–8
rates and rating, interest
fieldwork on relationship with financial stress 277–96, 299–306
levels and fluctuations during normality and crisis 268–9
role in incentivising liquidity transformation 22–3
role of central banks 273–4
use as element of stability policy, 54–6
rates and rating, sovereign
criticism of CRA assessments of 582–7
rates and rating, structured instrument
criticism of CRA assessments of 588–91
rating, agencies of see agencies, credit rating
ratios, relative equity and cost
as measure for bank performance 188, 189
reforms, financial system
comparison of bank supervision structures 456–7
EU financial supervision structures 491–500, 523
fieldwork exploring bank supervision need of 213–31, 234–8
international considerations and implications 93–5
need and process of CRA 591–608
role in limiting financial fragility 20–22
role of central banks in regulation and supervision 83–92
trends in European supervision structure 461
see also regulation, financial; supervision, financial
see also targets of e.g. International Monetary Fund
regimes, special resolution (SRR) as element of solutions ensuring effective regulation 347
registration
as element of CRA European regulation 594–7, 600–607
see also elements e.g. conduct, rules of regulation, financial
debate over central bank responsibility for 159–63
history and limitations of notion of 326–7
lack of as cause for global financial crisis 67
models of banking 164–8
poor regulation of United States 69–70
problems associated with effective 340–42
rationale for principle of 328–9
remedies for poor supervision and regulation 70–71, 73–5
response to need for tighter and effective 336–9, 343–8
social externalities providing rationale for 329–32
see also quality, financial regulation and supervision; reforms, financial system; supervision, financial
see also organization and behavior
targets e.g. agencies, credit
rating; compliance; funds, 
hedge; governance, 
banking; procyclicality; 
short-termism
see also players e.g. Bank of 
England; Benevolent 
Financial Stability 
Committees
see also specific measures e.g. 
countercyclicality; 
examinations, bank and 
banking; special resolution 
regimes
Regulation 1060/2009 (EU) 593, 
594–7, 597–8, 599, 600, 601, 
602, 604, 605, 607–8, 609, 611
regulators, fiscal
model of role in reducing 
excessive risk-taking 
110–15
role in times of financial crises 
123–8
see also particular e.g. banks, 
central
regulatory and supervisory 
independence 500–502
regulations, capital, merger and 
acquisition
role as tool of Benevolent 
Financial Stability 
Committee 165
Reinhart, C. 386
releases, press and data 
characteristics and salience as 
communication 249
reliability 
as obligatory for credit ratings 
580–81
remuneration 
salience in process of regulation 
92
Repullo, R. 107, 109, 163
reputations
risk of loss as result of central 
bank supervision 211
requirements, capital 
setting of minimum as method of 
countercyclicality 391
rescue and compensation, packages 
of see packages, compensation 
and rescue
research, fieldwork see fieldwork 
research
Reserve Bank of Australia 269, 
273–4, 292, 293
Reserve Primary Fund (USA) 346
resources and methods 
need for development of risk 
assessment and limitation 
245–6
see also particular e.g. 
communication; standards 
and frameworks; tests, 
stress
Restoring American Financial 
Stability Act (2010) 158, 165
restrictions 
re-imposition of to counter 
financial crises 363–6
Ricardo, D. 35
Riegle Community Development 
and Regulatory Improvement 
Act (USA, 1994) 540
rights, Special Drawing Rights 
(SDRs) 360–63
Riksbank (Sweden) 248, 269, 279, 
292, 293, 295
risks, systemic and macro- 
approaches to solving 116–18
definition and characteristics 
316–17
encouragement of by US 
financial system 73–4
hazards of US compensation 
encouraging excessive 71–2
measures and policies ensuring 
limitation and prevention 
245, 323–4, 356–72
model to reduce excessive 
financial 110–15
role of central banks in solving 
extensive 118–23
salience of information in supervision processes 160–61, 167–74

see also assessment and measurement, risk

see also elements affected e.g. credit

see also processes limiting e.g. regulation, financial, supervision, financial

Rochet, J. 107, 108
Rodrik, D. 359
Rogoff, K. 386
Roubini, N. 272
rules, conduct

as element of CRA European regulation 594–7

rules, monetary policy

case study illustrating changes in stability of 46–56

empirical evidence of financial instability and 273–4

theories of relationship with financial instability 270–72

time varying estimates of 299–301

see also subjects e.g. rates and rating, interest

S&Ls (Savings and Loans Associations) 68, 88
SACR (System for the Administration of Credit Risk (Colombia) 398–9
Santos, J. 109, 163
Saurina, J. 394
Savings and Loans Associations (S&Ls) 68, 88
savings banks (USA)

characteristics, tools and processes 534–7

sectoral model of supervisory structures 493

Scare Currency Clause (SSC) 358–9
Schleifer A. 328
Schlicht, E. 284, 296
Schoors, K. 159
Schularick, M. 337

SDRs (Special Drawing Rights) 360–63

securities

areas for improvement of quality of 429–34, 451–2

outcomes of fieldwork measuring regulation quality 423–45

standards measuring regulation quality 416–23

Securities and Exchange Commission (SEC) 84, 85

securitization, mortgage

encouragement of by US financial system 80

remedies for poor supervision and regulation of 81

Seelig, S. 499, 522

self-regulation

as consideration for US poor regulation 71

Senate Committee on Government Affairs 574

’separation principle’ (European Central Bank) 253

Serven, L. 389

SES (systemic expected shortfall) 320–21

Sharpe, W.F. 327
Shaw, L. 5

sheets (balance sheets)

case study of risk to of inclusion of bets 26–7

Shiller, R. 76
Shin, H. 76, 98, 392
Shleifer, A. 184

shocks, liquidity

characteristics and role in reducing risk-taking 112–14

Shoenmaker, D. 159, 185, 347

shortfall, marginal expected (MES) 320

shortfall, systemic expected (SES) 320–21

short-termism

as limitation hindering countercyclicality 404
hazards of compensation
packages encouraging 71–2
remedies for poor supervision
and regulation of 73
Siklos, P. 142
silos (model of banking supervision
structures 462–4
Smagi, L. 315
Smets, F. 273
solvency
overview of research on decisions
of 106–10
see also factors affecting e.g. risks,
systemic and macro-
South Sea Bubble 387
South Sea Company 386
sovereigns, rating of
criticism of CRA assessments of
582–7
Spain
experience of countercyclical
policies 393–8
Spanish Savings Bank Association
396
Special Drawing Rights (SDRs)
360–63
speeches
characteristics and salience as
communication 249
role in fieldwork research 255–9,
260–61
SPF (Survey of Professional
Forecasters) (ECB) 33, 49, 50,
51, 52, 54
spillovers
measurement of as method of
countercyclicality 391
Sprague, O. 5–6
stability, financial
as feature complementing price
stability 88–9
case study of monetary policy
rules 46–56
fieldwork on impact of
communication on 255–62
impact of bank performance on
186–7
pros and cons of central bank
responsibility for 87–8
recommendations of measures
ensuring 356–74
see also Benevolent Financial
Stability Committee;
instability, financial
see also elements affecting e.g.
procyclicality
see also players ensuring e.g.
International Monetary
Fund
stability, policy
characteristics as approach to
monetary policy 46–56
debates over central bank
sufficiency of 59–60
stability, price
as feature complementing
financial stability 88–9
as primary objective of central
banks 37
case study of activist approach to
41–6
role and features of activist
approach 39–46
role of central banks in ensuring
33–8
Wicksell’s approach 48–9
Standard and Poor’s credit agency
574, 576–7, 584, 586, 603–4
standardization
as purpose of CRA regulation
591–608
standards and frameworks
case study of regulation and
supervision quality using
416–29
characteristics, scope and
limitations of banking
quality 416–23
need to adjust to meet new
challenges 443–4
see also particular e.g. Basel Core
Principles for Effective
Banking supervision;
Financial System Stability
Assessment reports; Insurance Core Principles; Objectives and Principles of Securities Regulation

stock markets
effect on interest rate setting of stress of 293, 294

strategies, monetary policy
characteristics and essentiality of good practice 38–9
see also particular approaches e.g. activism, monetary policy;
stability, policy

Stein, J. 17, 366
stress
salience of tests of as communication tool 251–2
stress, financial
characteristics of measurement and indices of 274–6
fieldwork on relationship with interest rate setting 277–96, 299–306
indices of in emerging markets 258
see also outcomes e.g. instability, financial
structured instruments, rating of criticism of CRA assessments of 588–91
structures, financial supervision
cross-country comparison of recent 456–67
debates over coordination and centralization of 485–7
history and current status of global integration of 454–5
importance of for financial performance 476–7
measures ensuring strong 356–74
need for strong 353–5
overview of birth and main features of EU 489–90
review of nature, roles and reform of EU 491–500, 523
role of central bank as main supervisor of 464–5, 466
role of economics, politics and econometric in explaining 467–76
see also elements e.g. governance, supervisory structures
see also particular structures e.g. International Monetary Fund
structures, governance
extent of resilience of 333–6
fieldwork measuring characteristics of 187–8
impact on banking performance 186–7
in relation to banking performance 184–6
risk of stimulating in financial supervision 210–11
Stulz, R. 333
supervision, financial
allocation of within central banks 210–13
characteristics of model of benevolent 164–8
comparison of arrangements for 175–6
debates over structures of and responsibility for 159–63
fieldwork exploring independence, monetary goals and 213–31, 234–8
fieldwork measuring characteristics of 187–8
history of policy and central bank involvement 208–10
implications for central banks of responsibility for 173–4
lack of as cause for global financial crisis 67
organization, strengths and weaknesses of structures 185–6
remedies for poor supervision and regulation 70–71, 73–5
role of central banks in 83–92
see also consolidation, financial supervision; quality, financial regulation and
supervision; regulation, financial; structures, financial supervision

see also organization and targets
e.g. agencies, credit rating; behaviors, financial institution; securitization, mortgage

see also outcomes e.g. stability, financial

supervisors, financial characteristics of role in bank examinations 534–7
comparison of arrangements for 175–6
debates over structures of and responsibility for 159–63
features, strengths and weaknesses of using 168–71
model of hierarchical supervision among 173–4

see also specific e.g. departments, state banking supervisory and regulatory independence 505–7

Supervisory Capital Assessment Program (USA) 252
Survey of Professional Forecasters (SPF, ECB) 33, 49, 50, 51, 52, 54
Svensson, L. 251
swaps, credit default (CDS) prices of as indicator of systemic risk 321
salience in sovereign credit ratings 585
Swiss Reinsurance Company 369
Sy, A. 586
synchronization, monetary policies timing and importance between currencies 97–8
System for the Administration of Credit Risk (SACR, Colombia) 398–9
systemic expected shortfall (SES) 320–21

systems, financial see institutions, financial

Tabellini, G. 214, 472
Taylor, A. 337
Taylor, J. 43, 271
Taylor, M. 159, 500–502, 503, 506, 508, 511, 513, 516
‘Taylor rule’ (credit spreads) 271–2
‘Taylor rule’ (interest rates) 23, 40
TBTF (‘Too-Big-to-Fall’) approach
encouragement of by US financial system 73–4
governance structures avoiding bankruptcy of 334–6
remedies for poor supervision and regulation of 74–5
salience in relation to liquidity and solvency 107
TCTF (‘Too-Connected-to-Fail’) approach
salience in relation to liquidity and solvency 107–8
Teranishi, Y. 271, 272
testimonies
characteristics and salience as communication 249
tests, stress
salience as assessment and communication tool 251–2
Thakor, A. 108, 185–6
theories and models see models and theories
theorems
Modigliani-Miller on company market value 334
Third World
advice on utilization of countercyclicality 407–9
This Time Is Different (Reinhart) 386
Tieman, A. 499, 505, 508, 516, 522
Tinbergen’s principle of objectives 139–40, 245–6, 253
Tirole, J. 11, 12–13, 14, 16, 163
TMTF (‘Too-Many-to-Fail’) approach
salience in relation to liquidity and solvency 107–8
‘Too-Big-to-Fall’ (TBTF) approach encouragement of by US financial system 73–4
governance structures avoiding bankruptcy of 334–6
remedies for poor supervision and regulation of 74–5
salience in relation to liquidity and solvency 107
‘Too-Connected-to-Fail’ (TCTF) approach
salience in relation to liquidity and solvency 107–8
tools and methods
need for development of risk assessment and limitation 245–6
see also particular e.g. communication; standards and frameworks; tests, stress
‘Too-Many-to-Fail’ (TMTF) approach
salience in relation to liquidity and solvency 107–8
Tong, H. 76
Tovar, C. 270
transformation, liquidity impact of policy of excessive 17–20
role of central banks in avoiding 22–3
salience in market fragility 10–17
transparency as objective of CRA regulation 598–9, 602–3
as policymaker tool in solution of financial crises 135–6
as solution ensuring effective regulation 345
example of index ensuring central bank 152–6
failure in relation to US mortgage securitization 80
remedies to ensure appropriate 81
salience and nature in supervisory structure governance 514–15, 516
salience as element of communication 251–2
see also influences ensuring e.g. independence
trends and forecasts inflation and growth as element of policy stability 49–52
Triffin, R. 360
Trustees Savings Bank (TSB) 341
Turner, A. 327, 365–6
Tversky, A. 386
uncertainty increase in as element of systemic risk 316–17
UNCITRAL (United National Commission on International Trade Law) 371
unification, banking structures strengths and weaknesses for central bank supervision 185–6
unification, financial supervision history and current status of structures of 454–5
of powers in structures of 465
see also consolidation, financial supervision
unified (integrated) model of banking supervision structures 462–4
Unified Supervisor regime 466–7
United National Commission on International Trade Law (UNCITRAL) 371
United Nations 133
United States of America characteristics, and processes of bank examinations 534–7
comparison with European Union reform proposals 86–7
drivers determining banking examinations 547–8
encouragement of mortgage securitization 80
encouragement of systemic and macro-risk by 73–7
fieldwork results on determinants driving 549–65
growth of poor regulation of financial systems 69–70
immediate response of to global financial crisis 68
moral hazard of rating agencies within 78–9
need for banking independence from government 137–8
number and type of bank examinations 537–42
proposals for reform of financial institutions 85
relationship of inflation and bank governance in 149–51
remedies for poor supervision and regulation of financial systems 70–71
role of state banking departments in banking examinations 542–7
trends in reform of financial supervision structures 461–2
Utzig, S. 582
values, market
  Modigliani-Miller theorem on company 334
  Vaubel, R. 185
vertical (silos) model of banking supervision structures 462–4
Vishny, W. 184
Vives, X. 108
Volcker, P. 88
Volpin, P. 574
Von Clausewitz 401
Wahrenburg, M. 579
Wall, L. 393
Wallach, H. 360
watchlists
  role in work of credit rating agencies 577
welfare, social
  role of Benevolent Fund Stability Committee in minimising 166–7
WEO (World Economic Outlook (IMF) 41, 42, 43–4, 50, 51
WFO (World Financial Organization) 372–4
Wicksell, K., 47, 48–9
Wicksell's approach to price stability 48–9
Wilkinson, J. 248
Williamson, O. 515
Wills, living
  as element of solutions ensuring effective regulation 347
withdrawal, licenses
  salience for regulatory and supervisory independence 507
Woodford, M. 272
World Development Indicators (World Bank) 218
World Economic Outlook (WEO, IMF) 41, 42, 43–4, 50, 51
World Financial Organization (WFO) 372–4
World Trade Organization (WTO) 371, 373–4
Xiaochuan, Z. 366
Yago, G. 465, 476–7
Yorulmazer, T. 107–8, 123
Zingales, L. 317, 321, 322–3, 335