Index

Abad, A. 366
Ahmad, E. 235
Alderman, H. 239
Alesina, A. 200, 205, 211, 302, 330, 332, 333, 336, 338
Algoed, K. 116, 120
Ambrosanio, M.F. 235, 271
Andalusia 261–2
Anderson, G. 207
Andrews, D.W. 286
Ansolabehere, S. 281
Arachi, G. 101, 102
Argentina
  endogenous federal bargain 212
  institutional design 203
  inter-regional redistribution 195, 196–9
  regional representation and legislative bargaining 204, 205
Aschauer, D.A. 278
Atlas, C.M. 300
Auerbach, A. 19
Australia
  endogenous federal bargain 211, 212, 213–14
  equalization 213–14
  institutional design 202, 208
  inter-regional redistribution 195, 196–7, 198–9, 208
  regional representation and legislative bargaining 204, 207–8
Aznar, J.M. 324
Bakke, K.M. 340, 345, 353, 354, 355
Baland, J.M. 239
Banerjee, A. 241
Banks, I. 125
Barberán, R. 150, 152, 167, 194
Bardhan, P. 228, 239, 240
Baron, D. 203, 204
Bartholmai, B. 294
Basque Country 208, 261, 357, 360, 366
Baum, S. 35
Bayoumi, T. 35, 126, 171, 194
Bel, G. 361, 362
Belgium 108, 122–3
  devolution 109–12
  equalization 112–13, 120–21
  inter-regional fiscal flows
    measurement 149
    estimates 117–21
  expenditures and revenues allocation 147, 148
  methodology 121–2, 147
  surplus/deficit treatment 148
  reforms
    1970 109
    1980 109–10
    1989 110–12
    2001 112
  regional economic disparities 113–15
  vertical transfers to regions and communities 115–17
  benefit approach 15, 22, 23, 30, 60, 61, 62
Beramendi, P. 201, 211
Bermeo, N. 341
Besley, T. 227, 239, 240
Bilsen, V. 117
Bingley, P. 17
Bird, R. 41, 47, 50, 54, 372, 373, 377
Bird, R.M. 344–5
Bosway, R. 200
Bodenstein, M. 301
Bodenstein, T. 276, 280, 289
Boex, J. 236
Boix, C. 191, 192, 299, 301, 360
Bolivia, decentralization 230
Bolton, P. 192, 200, 201, 211, 330, 338, 353
Bom, P. 278
Bonaglia, F. 278
Bordignon, M. 235, 271, 330
Bosch, N. 171, 194, 195, 299
Brazil
decentralization to local jurisdictions 236, 244
dependence federal bargain 212
institutional design 203
inter-regional redistribution 195, 196–9
regional representation and legislative bargaining 204, 205
Breguet, B. 51, 52
Breton, A. 227
Bromley, C. 394
Brosio, G. 101, 102
Browning, E. 18
Brunelle, D. 376
Brusco, S. 330
Buchanan, J. 200
Canada
Charlottetown Accord 374
costal reduction policy 373–4
economic ties with Québec 377–9
dependence federal bargain 213–14
equalization 28–9, 128, 213–14
Established Programme Financing 128
federal fiscal balances calculation 40
data 133
economic gain approach 132
expenditure allocation 135–6, 198–9
federal surplus 136
methodology 132–6
and redistribution, 1998 and 2004 139–44
results for 1998 and 2004 136–9
revenue allocation 133–5
fiscal federalism 126–31
horizontal fiscal imbalances 128, 131
human capital flows 51, 52
institutional design 202, 208
inter-regional fiscal flows 27–9, 125–6, 144–5
inter-regional fiscal flows determinants 49, 57–8
inter-regional fiscal flows measurement expenditure allocation 15, 148
methodology 147, 149
revenues allocation 148
surplus/deficit treatment 148
inter-regional redistribution 139–44, 195, 196–7, 198–9
Meech Lake Accord 374
regional representation and legislative bargaining 204, 208
taxation 132, 133–4
trade flows 51
vertical fiscal imbalances 128, 131, 132
see also Québec
Canadian Dairy Commission (CDC) 50
Caramani, D. 282, 294, 295, 296
Carrubba, C.J. 289
Case, A. 227, 299
cash-flow approach 15, 19, 21, 22, 23, 30, 44
Cassady, K. 34, 35
Castells, A. 151, 152, 281, 298, 299, 300, 301, 303, 304, 305, 307, 308, 311
Castles, F. 192
Catalonia 173–4, 208, 357, 358, 366–8, 369
central government infrastructure investment 360–62
culture 360
central government budget calculation 177–81
central government deficit 362–4
internationalisation 358, 359
language protection 367–8
regional financing, role in 261, 266–7
regional fiscal capacity 365, 366, 367
regional fiscal flows 183
Statute of Autonomy 368
see also Spain
Catsambas, T. 60
Cattori, Ph. 113
Cavalli-Sforza, L. 360
centralization and infrastructure investment 322–5
<table>
<thead>
<tr>
<th>Term</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>centralized taxation</td>
<td>191, 211, 213, 214, 215</td>
</tr>
<tr>
<td>centrifugal forces</td>
<td>340–41, 357–8, 368–9</td>
</tr>
<tr>
<td>centripetal forces</td>
<td>340–41, 357–8, 368</td>
</tr>
<tr>
<td>Chhibber, P.</td>
<td>272</td>
</tr>
<tr>
<td>civil conflict</td>
<td>265, 333–4, 341, 345, 351, 352, 353</td>
</tr>
<tr>
<td>clientelist politics</td>
<td>228, 243–4</td>
</tr>
<tr>
<td>coalition governments</td>
<td>202–3, 232, 245</td>
</tr>
<tr>
<td>Collier, P.</td>
<td>334</td>
</tr>
<tr>
<td>Colomer, J.</td>
<td>215, 258</td>
</tr>
<tr>
<td>community-driven development</td>
<td>243</td>
</tr>
<tr>
<td>conditional cash transfers</td>
<td>243</td>
</tr>
<tr>
<td>conflict</td>
<td>265, 333–4, 341, 345–6, 351, 352, 353</td>
</tr>
<tr>
<td>constituency development funds</td>
<td>237</td>
</tr>
<tr>
<td>Conversi, D.</td>
<td>360</td>
</tr>
<tr>
<td>Coronel, S.</td>
<td>237</td>
</tr>
<tr>
<td>Côté, M.</td>
<td>381</td>
</tr>
<tr>
<td>country formations and breakups</td>
<td>329–30, 351</td>
</tr>
<tr>
<td>conflict</td>
<td>333–4</td>
</tr>
<tr>
<td>constitutions, importance</td>
<td>354–5</td>
</tr>
<tr>
<td>country size</td>
<td>330–33</td>
</tr>
<tr>
<td>decentralization and federalism</td>
<td>339–46</td>
</tr>
<tr>
<td>centripetal and centrifugal forces</td>
<td>340–41</td>
</tr>
<tr>
<td>ethnic conflict</td>
<td>345–6</td>
</tr>
<tr>
<td>measurement problems</td>
<td>344–6</td>
</tr>
<tr>
<td>simple model</td>
<td>341–4</td>
</tr>
<tr>
<td>economies of scale</td>
<td>330–31</td>
</tr>
<tr>
<td>federalism</td>
<td>339–41</td>
</tr>
<tr>
<td>heterogeneity of preferences</td>
<td>331–2</td>
</tr>
<tr>
<td>international openness</td>
<td>332–3</td>
</tr>
<tr>
<td>inter-regional redistribution</td>
<td>335–9</td>
</tr>
<tr>
<td>income-based transfers</td>
<td>335, 337–9</td>
</tr>
<tr>
<td>preference-based transfers</td>
<td>335–7</td>
</tr>
<tr>
<td>market size</td>
<td>332–3</td>
</tr>
<tr>
<td>national borders</td>
<td>330–34</td>
</tr>
<tr>
<td>national institutions</td>
<td>354</td>
</tr>
<tr>
<td>regional autonomy</td>
<td>340</td>
</tr>
<tr>
<td>country stability</td>
<td>see country formations and breakups</td>
</tr>
<tr>
<td>Courchene, T.J.</td>
<td>376</td>
</tr>
<tr>
<td>Cox, G.W.</td>
<td>281, 300</td>
</tr>
<tr>
<td>Crain, W.M.</td>
<td>278</td>
</tr>
<tr>
<td>Cremer, J.</td>
<td>231</td>
</tr>
<tr>
<td>Curtice, J.</td>
<td>395</td>
</tr>
<tr>
<td>Dahlberg, M.</td>
<td>299</td>
</tr>
<tr>
<td>Davies, J.</td>
<td>27</td>
</tr>
<tr>
<td>De Dios, E.</td>
<td>237</td>
</tr>
<tr>
<td>de Haan, J.</td>
<td>278</td>
</tr>
<tr>
<td>De La Fuente, A.</td>
<td>277, 289, 299, 301</td>
</tr>
<tr>
<td>Deblock, C.</td>
<td>376</td>
</tr>
<tr>
<td>decentralization</td>
<td>351</td>
</tr>
<tr>
<td>and country stability</td>
<td>339–46</td>
</tr>
<tr>
<td>design of</td>
<td>264</td>
</tr>
<tr>
<td>and ethnic conflict</td>
<td>345–6</td>
</tr>
<tr>
<td>intergovernmental grants, impact on</td>
<td>250–54</td>
</tr>
<tr>
<td>Spain, case study</td>
<td>254–5</td>
</tr>
<tr>
<td>irreversible nature of</td>
<td>264–5</td>
</tr>
<tr>
<td>by politicians</td>
<td>227–31, 244–5</td>
</tr>
<tr>
<td>analytical framework</td>
<td>231–4</td>
</tr>
<tr>
<td>international development assistance</td>
<td>243–4</td>
</tr>
<tr>
<td>local jurisdictions’ characteristics</td>
<td>234–43</td>
</tr>
<tr>
<td>deficits</td>
<td>25, 26, 64</td>
</tr>
<tr>
<td>Desmet, K.</td>
<td>332, 360</td>
</tr>
<tr>
<td>Diaz-Cayeros, A.</td>
<td>192, 201, 211, 212</td>
</tr>
<tr>
<td>Dickovick, J.T.</td>
<td>230</td>
</tr>
<tr>
<td>Diermeier, D.</td>
<td>202</td>
</tr>
<tr>
<td>Dixit, A.</td>
<td>276, 281, 299</td>
</tr>
<tr>
<td>Dollery, B.E.</td>
<td>281</td>
</tr>
<tr>
<td>Duffy-Deno, K.T.</td>
<td>278, 285</td>
</tr>
<tr>
<td>Dungan, P.</td>
<td>381, 383</td>
</tr>
<tr>
<td>Eberts, R.W.</td>
<td>278, 285</td>
</tr>
<tr>
<td>economic gain approach</td>
<td>15–16, 22, 23, 30, 44, 146</td>
</tr>
<tr>
<td>elite capture</td>
<td>229, 233, 239</td>
</tr>
<tr>
<td>Ellingsen, T.</td>
<td>330</td>
</tr>
<tr>
<td>endogenous borders</td>
<td>333–4</td>
</tr>
<tr>
<td>endogenous federal bargains</td>
<td>210–15, 221–2</td>
</tr>
<tr>
<td>equalization</td>
<td>213–14, 270, 362</td>
</tr>
<tr>
<td>Australia</td>
<td>213–14</td>
</tr>
<tr>
<td>Belgium</td>
<td>112–13, 120–21</td>
</tr>
<tr>
<td>Canada</td>
<td>28–9, 128, 213–14</td>
</tr>
<tr>
<td>Germany</td>
<td>198, 214</td>
</tr>
<tr>
<td>Spain</td>
<td>364–5, 367</td>
</tr>
<tr>
<td>Espasa, M.</td>
<td>194, 299</td>
</tr>
<tr>
<td>ethnic conflict</td>
<td>345–6, 351, 353</td>
</tr>
<tr>
<td>European monetary union</td>
<td>358</td>
</tr>
<tr>
<td>European Structural Funds</td>
<td>215</td>
</tr>
<tr>
<td>European Union</td>
<td></td>
</tr>
<tr>
<td>infrastructure funding</td>
<td>289</td>
</tr>
</tbody>
</table>
inter-regional redistribution 195, 196–7, 198–9
regional representation and legislative bargaining 204, 207
expenditure 13–14, 22–3, 59–60
allocation of 22, 23–5, 60–61, 62

Fageda, X. 361, 362
Faguet, J.-P. 322
Faith, R. 200
Feddersen, T. 202
federal expenditure 13–14, 22–3, 59–60
allocation of 22, 23–5, 60–61, 62
federal institutions 192
federal revenue allocation 16–22, 61
federalism 191
and country stability 340–46
and fiscal balances 51, 53–4
and inter-regional redistribution 191–2, 200–210, 215
empirical analysis 194–9
endogenous federal bargains 210–15
parliamentary democracy 202–3
presidential democracy 202, 203–4
regional representation 204–10
federations 13, 386
Ferejohn, J. 203
Ferraz, C. 244
Finan, F. 244
fiscal balances see regional fiscal balances
fiscal federalism and fiscal balances 51, 53–4
fiscal incidence approach 15, 44, 146
see also benefit approach
Fisman, R.J. 346
Flatters, F. 200
flow approach 60, 61, 62–3, 151
Foster, A. 240
France, infrastructure investment determinants 276, 289
data 282–5, 294
results 286–8
Fratesi, U. 289
free market arrangement (FMA) 42, 43
Frey, R.L. 44, 45
Fritsch, B. 294
Fry, E. 378

García-Escribano, M. 235
Gardner, J.A. 366
Gatti, R. 346
Generalitat de Catalunya 151, 152, 154
geographical determinants of fiscal balances 46, 48
Germany 276
endogenous federal bargain 211, 214
equalization 198, 214
equity 279
German Basic Law 214
infrastructure investment determinants 278, 289, 322
data 282–5, 294–5
results 286–8
institutional design 203, 208
inter-regional redistribution 195, 196–7, 198–9, 355
regional representation and legislative bargaining 204, 207
gerrymandering decentralization 271–2
Giarda, P. 81
Gilbert, G. 42
Glynn, A. 125
Goldberg, M.A. 380
Golden, M. 295
Gómez-Reino, J.L. 272
Goyal, S. 330
grants-financed local jurisdictions 227–31, 244–5
analytical framework 231–4
international development assistance 243–4
local jurisdictions’ characteristics 234–43
Gravelle, J. 19
Great Britain see United Kingdom
Grin, F. 375
Grossman, H.I. 333
Grossman, P.J. 280, 281
Haavelmo, T. 333
Haimanko, O. 336, 337, 362
Hancock, J. 213
Hansen, L.P. 286
Hanushek, E. 304
Harberger, A. 19
Hellwell, J. 27
heterogeneity of preferences 331–2, 358, 360
Index

Hinich, M. 209
Hirshleifer, J. 333
Hix, S. 354
Hofmann, U. 278
horizontal fiscal imbalance 53
Horowitz, D.L. 334
human capital flows 51, 52
income-based transfers 335, 337–9, 353, 354, 369
India
citizen participation in resource allocation decisions 230
citizenship development funds 237
decentralization to local jurisdictions 234, 235, 239–43
dergional redistribution 195, 196–9
political reservations, village level 229
poverty alleviation schemes 239–40
regional representation and legislative bargaining 204, 208–9
Village Education Committees (VECs) 241, 242
Indonesia, decentralization to local jurisdictions 234, 235
infrastructure investment
budgeted-funded 322
and centralization 322–5
user-funded 322
infrastructure investment determinants
276–7
conclusions 289–90
data 282–5
descriptive statistics 283–5
operationalization 282–3, 284
empirical estimation and results 285–8
estimation results 286–8
policy equation specification 285–6
hypotheses
efficiency 278
equity 279
political factors 280, 281
redistribution 279
literature review
normative principles 277–9
political factors 279–81
Inman, R. 346
Inman, R.P. 276, 353, 355
Instituto de Estudios Fiscales 151, 152
intergenerational fiscal imbalance 54
inter-governmental grants 195–8, 201–2
decentralization, impact of 251–4
Spain, case study 254–5
parliamentary democracy 202–3
presidential democracy 202, 203–4
regional representation and legislative bargaining 204–9
see also grants-financed local jurisdictions
international development assistance 243–4
inter-provincial redistribution 200–210
parliamentary democracy 202–3
presidential democracy 202, 203–4
regional representation and legislative bargaining 204–9
inter-regional fiscal flows, impacts of 44–5
inter-regional fiscal flows measurement 13–36
income concept 29–31
inter-regional redistribution indices 31–5
federal fiscal balances only 31–2
income/consumption-based global indices 34–5
income/consumption-based local indices 32–4
net regional fiscal flows calculation 14–29
benefit approach 15, 22, 23, 30
cash-flow approach 15, 19, 21, 22, 23, 30
deficits 26
economic gain approach 15–16, 22, 23, 30
expenditure externalities 27–8
federal expenditures 22–5
federal fiscal balances 29
federal revenues allocation 16–22
non-tax revenues 16, 21–2
regional tax exporting 28–9
surpluses 25–6
tax revenues 17–20
tax structures 14–15
The political economy of inter-regional fiscal flows

tax systems, federal and regional interaction 28
inter-regional redistribution 13–14, 15–16, 18, 26, 215–16
and country stability 335–9, 362–5
income-based transfers 335, 337–9
preference-based transfers 335–7
empirical analysis 194–9
endogenous federal bargains 210–15
and federalism 191–2
indices 31–5
Ireland 235, 400
Italy 276
Constitutional reform 75, 77, 78, 81–2, 85–7
fiscal decentralization 75, 78, 80–81, 82–7
fiscal federalism 77–82
government levels 77–8
public expenditure 82–4
revenue 84–5
infrastructure investment
determinants 278, 287
data 282–5, 295
results 286–8
inter-regional redistribution 86–7, 355
net fiscal flows computation 75–6, 87–101
data 87–9
expenditures, regional distribution 91–4, 147, 148
literature comparison 101–4
methodology 89–91, 147, 149
results 97–101
revenues, regional distribution 95–7, 147, 148

Jacobsen, G. 281
Joanis, M. 299
Johansson, E. 281, 283, 299
Judd, K. 19
jurisdiction size 236, 270, 272

Keefer, P. 242
Kenya, constituency development funds 237
Kesselman, J. 18
King, Mackenzie 127–8
Klingemann, H.-D. 279
Knight, B. 298
Kollman, K. 272
Krugman, P. 192
Lago-Peñas, I. 273
Lago-Peñas, S. 270, 272, 273
Lanot, G. 17
Latin America
decentralization to local jurisdictions 235–6
inter-regional redistribution 198–9
Laurier, Sir Wilfrid 127
Le Breton, M. 330, 336, 362, 369
Levi, M.D. 380
Levitt, S.D. 276, 281, 299
Lewis, J.B. 304
Ligthart, J.E. 278
Lijphart, A. 340
Lindbeck, A. 300
Lindert, P. 191
Linzen, D.A. 304
local elite capture 229, 233, 239
local jurisdictions, grants-financed 227–31, 244–5
analytical framework 231–4
international development assistance 243–4
local jurisdictions’ characteristics 234–43
Lockwood, B. 17, 231
Londregan, J. 276, 281, 299
López Casasnovas, G. 151, 364
MacDougall, D. 117
Maclean, I. 393
Manning, A. 17
Mansell, R. 33, 125
Martinez, E. 151
Martínez-Vázquez, J. 236, 271, 272
Mas, M.J. 282, 295
Masson, P. 35, 126, 171, 194
Mauro, P. 332
McCracken, M. 125
McCubbins, M.D. 281, 300
McGillivray, F. 281
Métilz, J. 171
Meltzer, A. 191, 209, 222, 301, 302
Mendes, M. 227
Menz, F.C. 376
Mera, K. 277
Mexico 192, 236
Milanovic, B. 209
Minelli, E. 87
Mitchell, J. 390
mobility as fiscal balance determinant 48–9
Montmarquette, C. 17
Montolio, D. 305
Mookherjee, D. 228, 239
Moore, A. 128
Moreno, L. 365
Musgrave, R.A. 250
Mushkin, J. 60
national borders 330–34, 357–62
national institutions 354
Navarre 261
net regional fiscal flows calculation 14–29
benefit approach 15, 22, 23, 30
cash-flow approach 15, 19, 21, 22, 23, 30
deficits 26
economic gain approach 15–16, 22, 23, 30
expenditure externalities 27–8
federal expenditures 22–5
federal fiscal balances 29
federal revenues allocation 16–22
non-tax revenues 16, 21–2
regional tax exporting 28–9
surpluses 25–6
tax revenues 17–20
tax systems, federal and regional interaction 28
Netherlands 235
neutral-fisc income 31
Nigeria, decentralization to local jurisdictions 234, 235, 236
non-tax revenues 16, 21–2
Norregaard, J. 59
North, D. 42
North American Trade Agreement (NAFTA) 51
Oakley, L.K. 278
Oates, W. 227, 231, 250, 277
Oberholzer-Gee, F. 231
Okner, B. 34
O’Laughlin, L. 49
O’Neill, K. 230
Ordessook, P. 209
Organisation for Economic Co-operation and Development (OECD) countries 235
Paci, R. 295
Padovano, F. 123
Palfrey, T. 231
Panizza, U. 230
parliamentary democracy 202–3
Pechman, J. 34
peripheralization 215
Persson, T. 211, 231, 276, 301, 302
Peru, decentralization to local jurisdictions 234, 235
Philippines
bossism 238
citizen participation in resource allocation decisions 230
constituency development funds 237
decentralization to local jurisdictions 234, 235, 236, 237–8
vote-buying 238
Picci, L. 282, 295
Pitlik, H. 208
Plateau, J.-P. 239
political fiscal balance determinants 49
political unions 221–6
politically motivated decentralization 227–31, 244–5
analytical framework 231–4
international development assistance 243–4
local jurisdictions’ characteristics 234–43
Pons, J. 364
preference-based transfers 335–7, 352–3, 354, 355, 369
presidential democracy 202, 203–4
programmatic redistribution 5, 299, 300–302, 304, 311–16
Proulx, P.P. 383
Prud’homme, R. 294
public expenditure 13–14, 22–3, 59–60
allocation of 22, 23–5, 60–61, 62
public goods 59–60, 330
Pusceddu, N. 295
Québec constitutional options 380
costs and benefits 380–84
demographic impacts 381
economic impacts 381–3
political impacts 384
constitutional reform 373–4, 385–6
fiscal autonomy 372–3
fiscal ties with rest of Canada 377–9
French-language protection 375, 385–6
historical background 374–5
independence movement 372–6
labor ties with rest of Canada 377
language policy 375
net fiscal flows 377–8
out-migration 377
secession 386
sovereignty, financial viability of 378–9
trade ties with rest of Canada 376–7

Randolph, W. 19
Rault, S. 377
Redoano, M. 231
regional fiscal balances
demographic determinants 48–9
determinants 46, 48–9
and fiscal federalism 51, 53–4
horizontal imbalance 53
intergenerational imbalance 54
measurement 39–46
methodology 44–6, 62–3
for whom 39–41
by whom 41–4
surpluses/deficits, adjustment for 64
current practices 66–7
cyclical adjustment 67–8
numerical illustration 69–72
relative regional fiscal balances 68–9
structural and cyclical components 65
vertical imbalance 53
regional infrastructure investment
determinants 276–7
conclusions 289–90
data 282–5
descriptive statistics 283–5
operationalization 282–3, 284
empirical estimation and results 285–8
estimation results 286–8
policy equation specification 285–6
hypotheses
efficiency 278
equity 279
political factors 280, 281
redistribution 279
literature review
normative principles 277–9
political factors 279–81
regional redistribution see regional redistribution
regional tax exporting 28–9
Renzsch, W. 214
Revelli, F. 101, 102
revenue allocation 16–22, 61
Reynolds, M. 34
Richard, S. 191, 209, 222, 301, 302
Riker, W. 191
road infrastructure investment see regional infrastructure investment
determinants
Rodden, J. 228, 252
Rodriguez-Pose, A. 289
Roland, G. 192, 200, 201, 211, 330, 338, 353
Rollison, R. 207
Romer, T. 191
Romp, W. 278
Rosenthal, H. 302
Rosenzweig, M. 240
Rubinfeld, D.L. 355
Ruggeri, G.C. 121, 169
Ruiz Almendral, V. 263
Russell, P. 213
Saba, A. 295
Sachs, J. 194
Saiegh, S.M. 341
Sala-i-Martin, X. 194
Scharf, K. 231
Schlenker, R. 33, 125
Scotland 389–90
Barnett Formula 391–3, 394, 398
Calman Commission 394, 399, 400
devolution 391, 393–5
economic ties with rest of UK 395–9
future 399–402
independence 395, 400–401
nationalism, history of 389–95
North Sea oil revenues 397, 398, 399
parliament 394–5
public expenditure 397–9
public expenditure funding 391–3
tax revenues 397, 398
Scottish National Party (SNP) 390–91, 394, 395, 399, 400
secession 333–4, 352, 353, 358, 360, 386
see also country formations and breakups
service delivery performance, yardstick competition on 243–4
Shah, A. 41
Short, J. 59, 61
Sidel, J.T. 238
Smolarsky, E. 34
Snyder, J.M. 276, 281, 299
sole agency arrangement (SAA) 42, 43
Solé Ollé, A. 281
Sørensen, R.J. 280
Sorribas, P. 308
South Africa 230, 355
Spain 357
airport policy 325, 361–2
autonomous communities 261, 263–4, 266, 357, 360, 362–6 see also Catalonia
centralization and infrastructure investment 322–5, 360–62
Constitution 365–6
country stability 357–62
and federalism 365–8
and inter-regional redistribution 362–5
decentralization 249–50, 258, 266
endogenous federal bargain 214–15
equalization 364–5, 367
federal fiscal balances calculation 182–7
benefit approach (burden-benefit approach) 182, 183, 184–5
cash-flow approach 182, 185
domestic income approach 186–7
economic gain approach 186–7
monetary flow approach 178–9, 181, 182, 185, 186
tax-benefit incidence principle 178, 179–81
First Regional Financing Agreement 255, 258
fiscal federalism 273–4
foral regime 261
institutional design 203, 208, 276
inter-regional redistribution 174–6, 195, 196–7, 198–9, 362–5, 369
political instability 225
regional fiscal capacity 365, 366, 367
regional net fiscal flows 362–4
regional representation and legislative bargaining 204, 208
secession 358, 360
trade liberalisation 358
see also Catalonia; Spain, regional financing; Spain, regional infrastructure investment determinants
Spain, inter-regional fiscal flows estimations 150–53
benefit approach 154, 155–6, 157, 158–9, 160–62, 163, 164–6
flow approach 154–7, 158, 159, 160–62, 163, 164–6
previous studies
data and statistical sources 152
expenditures 152, 153
institutional framework 151–2
methodological approximations 151
revenues 152–3
results 153–71
expenditures 157–63
fiscal balance determinants 167–9
regional fiscal flows 163–6
revenues 154–7
Spain, regional financing
instability of 255, 258–64, 273
decentralization, ongoing 263–4
decentralization asymmetry 260–62
renegotiations, ongoing 263–4
vertical imbalances 262–3
political rationale for 249, 254–5
Spain, regional infrastructure investment and centralization policy 322–5, 360–62
Spain, regional infrastructure investment determinants 297–9, 316–17
countries’ comparison 278, 280
data 284, 295–6
results 286–8
data and variables
dependent variable 305–7
economic variables 307
political variables 307–8
sample 304–5
empirical design
programmatic redistribution 304
tactical redistribution 302–4
interpretative framework 299–302
programmatic redistribution 299, 300–302
tactical redistribution 299, 300
results
programmatic redistribution 311–16
tactical redistribution 308–11
Spiller, P. 341
Spolaore, E. 200, 205, 211, 360
Staal, K. 330
Stevenson, G. 213
Strauss-Kahn, V. 362
Stromberg, D. 300
Strumpf, K.S. 231
Suárez Pandiello, J. 263
surpluses 25–6, 64
swing voters 232, 245, 253, 270
Tabellini, G. 211, 231, 276, 301, 302, 354
tactical redistribution 5, 280–81, 299, 300, 302–4
see also politically motivated decentralization
Tanzania, fiscal balance determinants 48, 49
tax centralization 191, 211, 213, 214, 215
tax exporting 28–9
tax revenues 16–20
tax systems, interaction between federal and regional 28
Tendler, J. 244
Tiebout, C.M. 227
Tirado, D.A. 358
Tommasi, M. 341
trade liberalisation 358
transportation infrastructure investment determinants 276–7
conclusions 289–90
data 282–5
descriptive statistics 283–5
operationalization 282–3, 284
empirical estimation and results 285–8
estimation results 286–8
policy equation specification 285–6
hypotheses
efficiency 278
equity 279
political factors 280, 281
redistribution 279
literature review
normative principles 277–9
political factors 279–81
Trela, I. 126
Trias Fargas, R. 150
Tullock, G. 333
Turati, G. 78
unions see political unions
United Kingdom
Barnett Formula 391–3, 394, 398
Calman Commission 394, 399, 400
devolution 391, 393–5
economic ties with Scotland 395–9
Goschen Formula 390, 391
public expenditure funding, Wales and Scotland 391–3
see also Scotland
United States
Civil War and federal decentralization 341
endogenous federal bargain 211, 212
historical fiscal balance determinants 48, 49
institutional design 203, 204
inter-regional redistribution 195, 196–9
regional infrastructure investment 280–81
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>regional representation and legislative bargaining 204, 205–7</td>
</tr>
<tr>
<td>Uriel, E. 152, 167, 182</td>
</tr>
<tr>
<td>Ursprung, H. 301</td>
</tr>
<tr>
<td>Vaillancourt, L. 381</td>
</tr>
<tr>
<td>Van Cayseele, P. 117</td>
</tr>
<tr>
<td>Van de Voorde, A. 117</td>
</tr>
<tr>
<td>Varshney, A. 242</td>
</tr>
<tr>
<td>Venezuela, decentralization to local jurisdictions 236</td>
</tr>
<tr>
<td>Verdonck, M. 113</td>
</tr>
<tr>
<td>Verheirstraeten, A. 117</td>
</tr>
<tr>
<td>Vermaeten, F. 20</td>
</tr>
<tr>
<td>vertical fiscal imbalance 53</td>
</tr>
<tr>
<td>Vives, X. 277, 299, 362</td>
</tr>
<tr>
<td>Wacziarg, R. 332, 360</td>
</tr>
<tr>
<td>Wane, W. 232</td>
</tr>
<tr>
<td>Watts, R.L. 254</td>
</tr>
<tr>
<td>Weber, S. 330, 336, 362, 369</td>
</tr>
<tr>
<td>Weibull, J. 300</td>
</tr>
<tr>
<td>Weingast, B. 227, 341</td>
</tr>
<tr>
<td>Weise, C. 289</td>
</tr>
<tr>
<td>Whalley, J. 126</td>
</tr>
<tr>
<td>Wibbels, E. 211, 301, 340, 345, 353, 354, 355</td>
</tr>
<tr>
<td>Wittman, D.A. 330</td>
</tr>
<tr>
<td>Worthington, A.C. 281</td>
</tr>
<tr>
<td>Wright, G. 207</td>
</tr>
<tr>
<td>yardstick competition on service delivery performance 243–4</td>
</tr>
<tr>
<td>Young, R. 380</td>
</tr>
<tr>
<td>Yu, W. 15, 33, 121, 126, 169</td>
</tr>
<tr>
<td>Zummer, F. 171</td>
</tr>
</tbody>
</table>