

# Index

- Absorption
  - capacity, 322–325
  - rate, 322
- Accessibility, 30, 31, 54, 67, 75
- Accession, 16–17, 33, 34, 50–51, 115, 126
- Active share variable, 209, 213–215, 227, 232
- ADF tests. *See* Augmented Dickey-Fuller tests (ADF tests)
- ADL models. *See* Autoregressive distributed lag models (ADL models)
- Administrative autonomy, 255
- Administrative capacity, 279, 329
- Administrative decentralisation, 254–255
- Administrative deconcentration, 254
- Administrative reforms, 252, 270
- Agglomeration, 30, 52, 352
  - catastrophic, 20
  - economies, 20
  - effects, 31, 38, 292, 343
  - industrial, 52, 74
  - processes, 33
- Agriculture, 97, 157, 158, 188
- AIR. *See* Annual Implementation Reports (AIR)
- Allocation capacity, 322
- AMECO, 123
- Annual Implementation Reports (AIR), 325
- Areas of intervention, 299–306
- Asymmetric bicameralism, 263
- Asymmetric stocks, 26, 71
- Asymmetry, 344, 346–347
- Attractiveness, 201, 220, 224
- Augmented Dickey-Fuller tests (ADF tests), 114–115
  - panel unit-root tests, 160–161
- Austerity plans, 109
- Autonomous budgets, 257–258
- Autonomous communities, 256, 262–263, 265, 267
- Autoregressive distributed lag models (ADL models), 114–115, 132
- Backwash, 235–236, 246
- Balance of internal migration
  - per 1000 persons (BM1000), 240
- Balanced development, 271, 318, 341
- Balancing Fund, 260
- Baumol Hypothesis, 144–145, 161*n*5
- Best practices, 251–252, 258
- BM1000. *See* Balance of internal migration per 1000 persons (BM1000)
- Booming sector (B sector), 117
- Borrowing constraints, 144
  - in human capital investments channel, 154–155
  - to investment in education and endogenous fertility channels, 170
- Brexit, 314
- BRICS, 9, 18
- Budget distribution, 297

- CADF test. *See* Covariate augmented Dickey-Fuller test (CADF test)
- Capita gaps  
 in CEECs vs. EU average, 313  
 competitiveness gaps in CEECs, 315–318  
 evolution of GDP/cap in CEECs, 314  
 stage of development of non-euro countries, 317
- Capital and labour productivity, 296
- Capital expenditure, 276, 277–278
- Capital inflows, 114, 117, 122
- Catastrophic agglomeration, 20
- Catastrophic de-agglomeration, 20
- Catching-up process, 7  
 five-year average real growth rates  
 in CEECs and southern member states, 10  
 in groups of countries, 11  
 GDP per capita in PPP, 7, 8  
 measurement, 12–13  
 transition and integration period, 9
- Causality, 13, 155–156, 170, 344
- CCC. *See* Circular cumulative causation (CCC)
- CE. *See* Current expenditure (CE)
- Central and Eastern Europe Countries (CEEC), 4, 7, 313  
 in DD, 119–122  
 heterogeneous space, 313  
 allocation vs. absorption capacity, 322–325  
 GDP/capita gaps in CEECs vs. EU average, 313–318  
 new regulatory framework in 2014–2020 programming period, 325–329  
 Romania—national and regional disparities, 318–322
- integration, 25, 26  
 competitiveness trends, 36–38  
 economic trends, 33  
 GDP per capita and labour productivity, 27, 28  
 growth and productivity trends, 33–36  
 market integration, specialisation and trade, 38–40  
 theoretical background, 28–33  
 social issues, 40–45
- Central Government, 254, 271
- Centre of gravity, shifting of, 17–19
- Centre-periphery, 29  
 allocation of value-added shares, 346  
 development model, 45  
 differentiation, 26, 33, 38  
 distinction/pattern, 46, 50, 67  
 paradigm, 28–30  
*See also* Core-periphery; Eastern periphery
- CEPAL. *See* United Nations Economic Commission for Latin America (CEPAL)
- CF. *See* Cohesion Fund (CF)
- Circular cumulative causation (CCC), 340
- City–region relations, 234, 239, 243, 245
- Classical push–pull model, 201
- Cluster analysis, 183, 185, 190, 224
- Clusters of rural European regions  
 comparison of typologies, 190–193

- diversity of regions in
  - enlargement European Union, 178–180
- methodological approach, 181–185, 186
- RUFUS typology and core-periphery description, 194
- rural types for different sets of European member states, 185, 187–190
- usability of typology, 193
- Cohesion, 17, 74
- Cohesion Fund (CF), 292
- Cohesion Policy (CP), 25, 292
  - See also* European Union Cohesion Policy (2014–2020) (EU CP)
- Common Provisions Regulations (CPR), 306
- Competitive economy, 41
- Competitiveness, 17, 18, 26, 52, 99–100, 102
  - of cities and regions in Poland, 234–235
    - database and results, 240–244
    - testing for polish urban competitiveness and growth poles, 237–240
    - urban competitiveness and growth poles theory, 235–237
  - deficits of EU13 economies, 73
  - gaps in CEECs, 315–318
  - problems, 109
  - trends, 36–38
- Concentric ring theory, 234
- Conditional convergence process, 25
- Conditionalities, 298–313
- Consolidated Fund, 260
- Constitution, 262–263, 272, 279–280
- Consumer preferences, 340–341
- Convergence, 34, 104, 144, 224
  - in EU, 5
  - hypothesis, 91
  - of production structure, 99
- Convergence/divergence in EU, 9
- Core regions, 203, 220, 223
- Core-periphery, 194
  - differentiation, 26
    - CP, 51
    - dynamics of institutional environment, 47–49
    - institutional approach, 45–52
    - institutional index EU13, 50
    - institutional index EU15, 50
    - levels of GDP/capita, 46
    - role of institutions, 52
  - division, 19
  - gap, 18
  - imagery, 338, 347
  - models, 234, 339
    - of diversified-relational space, 345–347
    - of diversified-stylised space, 342–344
    - theoretical frameworks, 339–340
    - of uniform-abstract space, 340–342
  - pattern, 5–7, 26, 178
  - phenomenon, 179
  - See also* Centre-periphery; Eastern periphery
- CORINE urban land use, 181
- Corrective arm, 293*n*1, 307*n*9, 312
- Corruption, 52, 121, 325
- Counties, 279
- Country component, 107
- Country-specific recommendations (CSRs), 308*n*10
- Covariance analysis, 59
- Covariate augmented Dickey-Fuller test (CADF test), 130
- CP. *See* Cohesion Policy (CP)

- CPR. *See* Common Provisions Regulations (CPR)
- Credit markets imperfection  
 approach, 154–155
- Crisis, 9, 26, 28, 35, 46, 220, 299  
 impact of, 53, 62  
 economic, 25, 93, 292, 297, 308  
 EU's, 74  
 financial, 17, 261–262, 313
- Crowding-out, 131–132
- CSRs. *See* Country-specific recommendations (CSRs)
- Cultural peripherality, 30
- Current expenditure (CE), 123, 131–132
- Database, 240–244
- DD. *See* Dutch disease (DD)
- Debt, 90, 108, 260, 267, 285  
 crises, 4  
 debt-induced public, 4
- Decentralisation, 252  
 on Eastern Periphery of European Union, 270  
 in Poland, 278–286  
 in Romania, 270–278  
 of power, 253–255  
 on Southern Periphery of European Union, 255  
 in Italy, 256–262  
 in Spain, 262–270
- Decoupling process, 43
- Demographic pressure, 210, 213
- Demographic transition, 203, 207, 210
- Dependence theory. *See* Centre-periphery—paradigm
- Descriptive analysis, 128
- Development  
 disparities, 293, 298  
 gaps, 25, 28, 69, 295, 318  
 levels, 13  
 trap, 338
- Dichotomous pattern, 92, 96
- Disparities, 44, 293, 298  
 of border regions, 72  
 growth of, 31  
 institutional, 46–47  
 inter-regional, 315  
 national and regional, 318–322
- Disposable income, 208, 211–213, 217, 223
- DIST, 57–59
- Divergence in EU, 5
- Diversity  
 diversified-relational space, 340  
 models of, 345–347  
 diversified-stylised space, 339–340  
 models of, 342–344  
 of regions in enlargement EU, 178  
 methodological approach to diversity of rural areas in Europe, 180  
 peripheral situation, 179
- Division of power, 263
- DOLS methodology. *See* Dynamic Ordinary Least Squares methodology (DOLS methodology)
- Dutch disease (DD), 114, 115–119  
 ADF tests, 114–115  
 Central and Eastern European countries, 119–122  
 econometric models, 130–136  
 symptoms, 122–129  
 unit root tests of relevant variables, 129–130, 131
- Dynamic Ordinary Least Squares methodology (DOLS methodology), 132, 160, 161, 163–166
- Dynamic panel methods, 160*n*4
- Dynamic structural change process, 144–145, 151

- EACs. *See* Ex-ante conditionalities (EACs)
- EaP countries, 19
- East variable, 209
- Eastern European countries (EEC), 93, 97, 104, 107, 158–159, 201
- Eastern European economies, 120
- Eastern Neighbourhood (EN), 19, 72
- Eastern periphery, 5, 202, 205, 207–211, 218–226, 270
- decentralisation and local self-government
- in Poland, 278–286
- in Romania, 270–278
- of European Union, 270
- Southern EU periphery, *vs.*, 4
- See also* Centre-periphery; Core-periphery
- Eastern *vs.* Southern peripherality, 53
- confidence intervals, 68
- dynamics of peripherality, 64–66
- EP, 62–66
- indicators, 54, 55
- methodology and data, 53
- multivariate methods, 59
- PI, 61, 63, 67
- selection of indices, 57, 58
- SP, 60, 67–71
- system of structural equations, 56
- Eastward shift of economic dynamism and regional resilience, 16
- EC. *See* European Commission (EC)
- Econometric analysis, 160
- Econometric models, 130
- GMM, 132
- models
- for GDP growth rate, 133–134
- for real exchange rate, 135
- RER, 131–132
- Econometric strategy, 211–213, 237–240
- Economic
- affairs, 260, 267
- crisis, 25, 90, 93, 109, 120, 200, 206, 220, 224, 308
- cycle, 201, 208
- geography, 30–31
- governance, 293, 311
- integration, 20, 33, 91
- performance, 7, 13, 66, 69
- Economic and Monetary Union (EMU), 292
- Economic peripherality (EP), 53, 57
- Economic/economy, 151
- crisis, 200
- delay, 30
- economies of scale, 342
- growth, 145, 150, 152
- comparative perspective on, 146–150
- empirical model and results, 158–168
- inequality and growth, 154–156
- structural change and growth, 151–154
- imbalance, 354
- mechanism, 154–155
- policy, 165
- sectors, 191
- space, 343, 350
- theory, 157
- EDP. *See* Excessive Deficit Procedure (EDP)
- Education, 22, 152
- system, 43, 223, 224, 227
- Education(al), 152, 209

- deficit, 103
- quality, 210
- EEC. *See* Eastern European countries (EEC)
- Efficiency
  - efficiency-driven stage, 316
  - enhancers, 316
- EFSD. *See* European Fund for Strategic Investments (EFSD)
- EIB. *See* European Investment Bank (EIB)
- EIP. *See* Excessive imbalances procedure (EIP)
- Eleven new EU Member States (NMS), 120
- EM. *See* Expenditures of municipalities per one inhabitant (EM)
- EMFF. *See* European Maritime and Fisheries Fund (EMFF)
- Emigrants remittances, 120
- Emigration, 201–204, 208, 211, 213
- emod. *See* Modern services employment ratio (emod)
- Empirical analysis, 122
  - evolution
    - of GDP growth rate, 124
    - of GFCF, 125
    - of government current expenditure, 127
    - of real GDPpc, 123
    - of short-run interest rate, 126
  - GDP growth rate/RER, 129
  - real exchange rate/structural funds, 128
  - SF, 122–123
- Empirical model and results, 158
  - inequality and output, 161, 163, 164
  - panel unit-root tests, 160–161, 162
  - potential transmission mechanism, 159
  - structural change and inequality, 164–168, 169
- Employment, 151
  - changes in structure, 97
  - shares in GVA, 98–99
  - shares in total employment, 100–101
  - Southwestern economies, 102
- EMU. *See* Economic and Monetary Union (EMU)
- EN. *See* Eastern Neighbourhood (EN)
- Endogenous, 180, 295–296
- Endogenous growth theories, 295–296
- Enlargement, 33, 50–51, 120, 144
- ENP. *See* European Neighbourhood Policy (ENP)
- Environmental component, 183, 184
- EP. *See* Economic peripherality (EP)
- Equal opportunities, 341
- ESIF. *See* European Structural and Investment Funds (ESIF)
- ESPD. *See* European Spatial Development Policy (ESPD)
- etrad. *See* Traditional services employment ratio (etrad)
- EU. *See* European Union (EU)
- EU Cohesion Policy, 16–17
- EU core-periphery division
  - catching-up process, 7–11
  - CEECs, 4
  - core-periphery pattern in Europe, 5–7
  - GDP per capita in PPS, 6
  - interpreting trends with NEG's paradigm, 19–21

- shifting of centre of gravity, 17–19
- underlying factors, 11
  - catching-up measurement, 12–13
  - labour productivity and FDI inflows, 13–16
  - policy and structural factors, 11
- EU CP. *See* European Union Cohesion Policy (2014–2020) (EU CP)
- EU Funds, 121, 136, 294, 323, 331
- EU integration and centre periphery divide
  - changes in structure of production, employment and trade, 97–102
- European periphery, 90
  - productivity trends in, 92–97
- MFP, 91–92
- R&D and technology change
  - within industries, 105–108
- skill and technology biased structural change, 102–105
- EU's Eastern periphery, mapping migration transition in, 218
  - convergence process, 224
  - highly attractive regions, 220–223
  - NUTS2 regional classification, 222
  - southern states, 224
  - total net migration share, 219, 221
  - transition drivers, 218–220
  - 'unconventional' measures, 226
- EU2020 Strategy, 300
- Euro area, 90–91, 122, 292, 313
- Euro Plus Pact, 17
- Euro Zone, 35, 36, 41
- Euro-periphery, 292
- Europe of the Regions, 253, 278
- European Charter of Local Self-Government, 252, 283
- European Commission (EC), 120, 237, 293
- European Fund for Strategic Investments (EFSI), 293, 306–309, 313
- European integration, 24, 55, 90, 115, 313, 344
- European Investment Bank (EIB), 306–307
- European Maritime and Fisheries Fund (EMFF), 299
- European member states, rural types of, 185
  - Typology A, 185, 187–188
  - Typology C, 185, 189–190
- European Neighbourhood Policy (ENP), 19
- European periphery, 90
  - productivity trends in, 92–97
- European policy and programming, 178
- European Regional policy, 121
- European Spatial Development Policy (ESPD), 32
- European Structural and Investment Funds (ESIF), 293, 299, 306, 308, 309, 325–326
- European structural funds, 113, 137, 276
- European Union (EU), 4, 24, 115, 144, 178, 200, 252, 292
  - average
    - capita gaps in CEECs vs., 313–317
    - national and regional economic gaps with, 318–322

- economy, 23
  - competitiveness deficits of EU13 economies, 73
  - CP, 25
  - Eastern vs. Southern peripherality, 53–71
  - integration of Central and Eastern European Countries, 26–52
- EU-28, 9
- legal framework on EU
  - economic, social and territorial cohesion, 297–298
- low-skilled immigration threat, 200
- Member States, 12, 146, 211, 292
- obsessive problem of EU funds' absorption, 322–325
- regions, 12–13, 213, 220, 300
- European Union Cohesion Policy (2014–2020) (EU CP), 292, 293–294
- CEEC, 313–329
- new strategic framework,
  - objectives, regions, conditionalities, 298
  - new categories of regions, new objectives, 299–306
  - new conditionalities, 310–313
  - new financial instrument and new conditionalities, 306–309
- 'spatially-blind' and 'place-based' growth theories, 294
- from theoretical to normative background, 294
  - legal framework on EU economic, social and territorial cohesion, 297–298
  - theoretical background of EU cohesion policy, 295–297
- Europeanisation, 33, 51, 224
- Eurostat, 44–45, 59, 283
- Evolutionary-historical geographical political economy, 354
- Ex-ante conditionalities (EACs), 294, 310, 327
- Excessive Deficit Procedure (EDP), 299, 311
- Excessive imbalances procedure (EIP), 311
- Exogenous, 295, 296, 297
- Expenditures of municipalities per one inhabitant (EM), 241
- Export-led growth, 16, 109, 110
- Exporting capacities, 110
- External shocks, 120, 220
- Factor endowments, 340
- FDI. *See* Foreign direct investment (FDI)
- FE. *See* Fixed-effects (FE)
- FE model, 240–242, 243
- FEAD. *See* Fund for European Aid to Most Deprived (FEAD)
- Financial allocations, 291
- Financial autonomy, 253, 255, 258, 272, 283
- Financial crisis, 17, 92, 96, 109, 120, 256, 258, 261, 293, 297, 299, 306, 313
- Financial market, 73, 75, 90, 109, 316
- Financial period, 291, 293, 294, 299, 301, 330
- Fiscal autonomy, 256, 272, 283
- Fiscal crisis, 4
- Fiscal decentralisation, 254, 275, 283
- See also* Decentralisation



- Fiscal dependence, 272
- Fiscal federalism, 253, 257
- Fiscal income, 259, 265, 267
- Fiscal policy, 164
  - channel, 145
  - mechanism, 159
- Fixed-effects (FE), 235
  - mode, 240
  - model, 212
- Foreign direct investment (FDI), 114
  - attraction, 26
  - inflows, 13–16
- Fund for European Aid to Most Deprived (FEAD), 326*n*17
- GCI. *See* Global Competitiveness Index (GCI)
- GDP. *See* Gross domestic product (GDP)
- GDPGR. *See* Real GDP growth rate (GDPGR)
- General ex-ante conditionalities, 310
- General Method of Moments (GMM), 132
- Geographical agglomeration effects, 292
- Geographical periphery, 292
- GFCF. *See* Gross fixed capital formation (GFCF)
- Gini coefficient, 149, 156, 158
- Gini index, 163
- Global Competitiveness Index (GCI), 37, 315
- Global linkages, 346
- Global value chains (GVC), 345
  - positioning of industries within, 346–347
- Globalisation, 151–152
- Glocalisation, 251, 253, 285
- GMM. *See* General Method of Moments (GMM)
- Good governance, 7, 25, 45, 51, 74, 285, 353
- Governance space, 352–353
- Greece, 4, 6, 9, 13, 33, 41, 44, 46, 62, 126, 146, 149, 201, 256, 292, 315, 318
- Gross domestic product (GDP), 146, 234
  - evolution of GDP growth rate, 124
- GDP/capita gaps in CEECs vs. EU average, 313
  - competitiveness gaps, 315–318
  - evolution of GDP/cap, 314
  - stage of development of non-euro countries, 317
- growth rate/RER, 129
- local government revenues as percentage, 259
- models for, 130–131, 133–134
- Gross fixed capital formation (GFCF), 35, 123, 125
- Gross value added (GVA), 55, 97
  - shares in, 98–99
- Growth, 24, 25, 31, 33–36, 38, 40–44, 52, 62, 66, 71
- Growth multifactor productivity (MFP), 96
- Growth pole, 19, 28, 234, 235, 236, 238, 244, 246, 321
- Growth poles theory, 235–237
  - testing for polish, 237–240
- Growth rates, 5, 9–11, 13, 34, 62, 66, 94, 95, 153, 207, 208, 314
- Growth regressions, 152
- Growth theories, 45, 294, 295–297
- GVA. *See* Gross value added (GVA)

- GVC. *See* Global value chains (GVC)
- H0. *See* Null hypothesis (H0)
- HDR–OP. *See* Human Development Resources OP (HDR–OP)
- HDT. *See* High development theory (HDT)
- Health, 152  
 expenditures, 165  
 quality, 218  
 Romanian health-care system, 277  
 variable, 209
- Health system, 210, 211, 218
- Health-care, 225, 256, 258, 277  
 expenditures, 277
- Heterogeneity, 178  
 degree of, 12  
 local identity, interests, and economic and fiscal potential, 263  
 regional, 318  
 of services sector, 153
- Hierarchical agglomeration cluster analysis, 220
- High and medium-high technology, 104
- High development theory (HDT), 342
- Highly attractive regions, 220, 223
- Highly unattractive regions, 223
- Horizontal intra-industry trade (HIIT), 40
- Human capital, 155, 295–296  
 borrowing constraints in human capital investments channel, 154–155  
 relative shortage of, 103
- Human Development Resources OP (HDR–OP), 323
- Hungary, 62, 191–192, 270
- output growth and labour productivity growth, 95
- ICT. *See* Information and communication technology (ICT)
- Ideological peripherality, 30
- IIT typology. *See* Intra-industry trade typology (IIT typology)
- IM. *See* Incomes of municipalities per one inhabitant (IM)
- Immigrants, 207, 210
- Immigration, 200, 202, 203, 208, 213
- Imports (IMP), 60
- Income  
 inequality, 44, 146  
 variable, 209
- Incomes of municipalities per one inhabitant (IM), 240–241
- Increasing returns to scale (IRS), 342
- Independent Auditing Committee, 262
- Indicators, 146, 158, 178, 275, 282
- Industrial policy, 90, 110
- Industrial relocation, 3
- Industries, R&D and technology change within, 105–108
- Industry VA excluding  
 Construction and Building (VAIECB), 123
- Inequality, 145, 150, 159  
 comparative perspective on, 146–150  
 empirical model and results, 158–168, 169  
 and growth, 154–156  
 hampers growth, 160  
 of income distribution, 43, 44  
 and output, 161, 163  
 structural change and, 156–158

- Information and communication technology (ICT), 151–152
- Infrastructure, 16, 31, 69, 72, 118, 121, 245, 277, 300, 316, 318, 345
- Innovation, 316  
capacity, 25, 237
- Innovation driven stage, 316
- Integration, 24, 36, 38, 45, 55, 71  
process, 26, 46, 50, 53, 55, 113, 297
- Integration period, 9
- Integrative approach, 53  
*See also* Eastern vs. Southern peripherality
- Internal market, 24, 25, 35, 41, 52, 61, 74, 298
- Intra-industry trade typology (IIT typology), 39
- Investment, 72
- Investment clause, 312
- Irregularities, 323, 325
- IRS. *See* Increasing returns to scale (IRS)
- Italy  
decentralisation and self-government in, 256–262  
overall and local government revenues as percentage of GDP, 259  
structure of budgetary revenues, 260
- k-means cluster analysis, 183, 190
- Knowledge-intensive services, 104, 157
- Kuznets curve, 156–157
- Labour  
force, 24, 55, 60, 72, 120, 206, 223, 227  
frontiers, 203  
market  
dualism theory, 207  
segmentation, 213–214  
productivity, 13  
by country in 2015, 14  
growth in, 14  
growth rate in, 15
- Lagging sector (L sector), 117
- Lagrange multiplier test (LM test), 212
- Less-developed countries, 292, 294–295
- Level of specialization, 13
- Lisbon Treaty (LT), 297–298
- Living conditions, 208
- Living standard, 213, 236
- LM test. *See* Lagrange multiplier test (LM test)
- Loans, 254, 260, 270, 272, 277, 285, 293
- Local authorities, 236, 255, 257, 259, 260, 269, 272, 275, 277, 280, 283, 287
- Local autonomy, 255, 265
- Local Communities  
Revenue Act, 283  
in Spain, 267
- Local debt, 260, 267
- Local development, 252, 255, 354
- Local governments, 258  
division of responsibility among local governments in Spain, 264  
general share on Eastern Periphery of Europe Union, 271  
indicators of local revenues and expenditures in Poland, 282  
revenues as percentage of GDP in Italy, 259
- Local identity, 252, 253, 255, 270
- Local linkages, 346

- Local revenues, 272, 274, 282, 287
- Local self-government, 253–255  
 on Eastern Periphery of  
 European Union, 270  
 in Poland, 278–286  
 in Romania, 270–278  
 on Southern Periphery of  
 European Union, 255  
 in Italy, 256–262  
 in Spain, 262–270
- Local taxes, 255, 258, 272
- Long-run interest rate (LRIR), 123,  
 131–132  
 evolution of, 126
- Long-term growth of labour  
 productivity, 92–93
- Low and medium-high technology,  
 24, 104
- LRIR. *See* Long-run interest rate  
 (LRIR)
- LT. *See* Lisbon Treaty (LT)
- Macroeconomic conditionality, 294,  
 311–313  
 imbalances, 108, 305  
 policies, 29  
 stability, 36, 293, 307
- Macroeconomic Imbalance  
 Procedure (MIP), 19, 299
- Manufacturing, 39, 97–99, 104,  
 109, 119, 152, 343–344  
 sectors, 97, 115–116, 117–118,  
 150–151, 156, 185
- Market, 5, 7, 9, 16, 20, 30,  
 38–40, 54, 60, 71, 74,  
 153, 206, 292, 297,  
 352  
 integration, 292
- Marketplace, 340, 342–343, 347
- Medium-term budgetary objective  
 (MTO), 312
- Metropolisation, 257
- Metropolitan regions, 3, 18, 179
- MFP. *See* Multifactor productivity  
 (MFP)
- Migration  
 cycle, 204, 226  
 policy, 226, 228
- Migration process, 200, 205, 208,  
 209  
 hump, 204  
 migration-development nexus,  
 203–205  
 turnaround in Southern Europe,  
 205–207
- Migration transition, 201, 202  
 data overview and  
 econometric strategy,  
 211–213  
 descriptive statistics of variables,  
 232  
 drivers, 206  
 estimation results and  
 discussions, 213  
 income, 217–218  
 interaction regressors, 218  
 labour market segmentation,  
 213–214  
 regression results for  
 fixed-effects models,  
 214, 215–216  
 two-way fixed effects,  
 214–217
- EU enlargements, 200–201
- large scale migration,  
 201–202
- mapping migration transition in  
 EU's Eastern periphery,  
 218–226
- measuring drivers of migration  
 transition model,  
 207–211
- migration-development nexus,  
 203–205
- pattern, 205
- transitional path, 205–207

- MIP. *See* Macroeconomic Imbalance Procedure (MIP)
- Mobility, 203–204, 208, 295  
 form, 205  
 of labour, 20  
 population, 245
- Model of governance, 4–5
- Modern progressive sectors, 145  
 services, 157
- Modern services, 145, 149*n*1, 150, 160, 164, 165, 166, 168, 170
- Modern services employment ratio (emod), 159, 161, 161*n*5, 162, 164, 167
- Modernisation process, 203
- Monetary union, 26
- MTO. *See* Medium-term budgetary objective (MTO)
- Multi-core integration environment, 353
- Multi-dimensional space  
 case for modern spatial account of development, 347  
 lessons from three interpretations of space, 348–349  
 policy and economic space, 350  
 socio-cultural space, 350–351  
 core-periphery model revisited, 339  
 diversified-relational space models, 345–347  
 diversified-stylised space models, 342–344  
 theoretical frameworks, 339–340  
 uniform-abstract space models, 340–342  
 policy implications in, 351  
 governance space, 352–353  
 policy-mix of ‘big processes’, local and global, 353–354
- Multifactor productivity (MFP), 91–92, 97  
 growth, 93, 96
- Multivariate methods, 59
- Multivariate statistical techniques, 183, 184
- Municipalities, 257–260, 263–266, 279, 282
- National and regional economic gaps with EU average, 318–322
- National Ordinary Fund for Investment, 260
- National societies, 341
- Natural resource sector, 117–118
- ND1000. *See* Number of dwellings (ND1000)
- NEG. *See* New Economic Geography (NEG)
- Negative integration, 25
- Neoclassical growth accounting framework, 93
- Neoclassical growth theory, 235, 295
- Net lending variables (NL variables), 123, 131–132
- Net migration balance, 224, 227
- Network analysis, 57
- New Economic Geography (NEG), 5, 20, 29, 91, 296, 343, 344
- New member states (NMS), 5, 34, 40, 144–145, 147–148, 192
- NL variables. *See* Net lending variables (NL variables)
- NMS. *See* New member states (NMS)

- NNP100. *See* Number of population in non-productive age per 100 working-age persons (NNP100)
- Nomenclature of Units for Territorial Statistics in 2010, level 2 (NUTS2 2010), 211
- Non-euro CEECs, 317, 318
- Non-parametric methods, 127–129
- Non-tradable goods (NTG), 117–118, 123, 132, 137
- NPE100. *See* Number of private sector enterprises per 100 inhabitants (NPE100)
- NPP. *See* Number of population in productive age (NPP)
- NTG. *See* Non-tradable goods (NTG)
- NTP. *See* Number of total population (NTP)
- Null hypothesis (H<sub>0</sub>), 160–161
- Number of dwellings (ND1000), 241
- Number of population in non-productive age per 100 working-age persons (NNP100), 241
- Number of population in productive age (NPP), 241
- Number of private sector enterprises per 100 inhabitants (NPE100), 241
- Number of readers in public libraries per 1000 inhabitants (RPL1000), 241
- Number of total population (NTP), 241
- NUTS2 2010. *See* Nomenclature of Units for Territorial Statistics in 2010, level 2 (NUTS2 2010)
- NUTS3  
level, 180  
regions, 181
- OECD. *See* Organisation for Economic Co-operation and Development (OECD)
- Oil crisis, 201–202
- ‘One-size fits all’ policies, 91, 109
- Operational Programmes (OPs), 323
- OP–Increase Economic Competitiveness Programme (OP-IECP), 323
- Optimism, 200
- Ordinary Fund, 260
- Organisation for Economic Co-operation and Development (OECD), 43–44, 156  
ANBERD database, 107  
classification, 183  
rural–urban partnerships, 195
- Own resources, 255, 257
- Panel, 152–153, 155, 158–160, 240  
analysis, 211, 213, 239  
data analysis, 211, 213, 239  
unit-root tests, 160–161, 162
- Partnership Agreements (PAs), 308*n*10, 310
- PD. *See* Population density (PD)
- Peripheral cities, 178, 234
- Peripheral countries, 5, 7, 20, 31, 38, 50, 68, 144

- Peripheral regions, 28, 31, 71, 178, 193, 202, 223, 286, 292, 346
- Peripherality, 30, 178, 191–192
- Peripherality index (PI), 61, 67  
 correlations matrix, 85  
 for economies of European Union, 63  
 EU states by groups depending on, 70  
 maps of economic and spatial peripherality and topographic representation, 84  
 variables used in analysis of, 83
- Periphery  
 centre-periphery, 29, 346  
 core-periphery, 194  
 Eastern periphery, 207–211  
 European periphery, 90  
 Southern periphery, 207–211
- Perroux's growth pole theory, 234
- Pesaran CD test, 212
- Pessimism, 200
- PI. *See* Peripherality index (PI)
- Place-based approach, 178, 294, 295
- Poland  
 competitiveness of cities and regions in, 234  
 database and results, 240–244  
 testing for polish urban competitiveness and growth poles, 237–240  
 urban competitiveness and growth poles theory, 235–237  
 voivodships, 234–235
- decentralisation and local self-government in, 278  
 advanced reformer, 280–281  
 centralisation and decentralisation, 286
- distribution of government responsibility in, 281
- distribution of local expenditures in, 284
- evolution of regional GDP in, 285
- indicators of local revenues and expenditures in, 282
- Local Communities' Revenue Act, 283
- regionalization, 279
- Supreme Audit Office, 285–286
- Polarization, 20
- Policy  
 assessment, 183  
 factors, 11  
 implications in multi-dimensional space, 351  
 governance space, 352–353  
 policy-mix of 'big processes', 353–354  
 policymakers, 115  
 space, 350
- Polish cities, 235, 239, 240–241, 243, 245
- Political  
 mechanism, 154–155  
 peripherality, 30  
 political–economic constraints, 351  
 risks, 26
- Pooled ordinary least squares (POLS), 212, 235, 240, 241–244
- Population density (PD), 54, 181, 210, 240
- Positive spillovers, 97
- Potential transmission mechanism, 159
- Poverty risk, 41, 42, 44
- PPPs. *See* Public-private partnerships (PPPs)

- PPS. *See* Purchasing power standard (PPS)
- Prebisch-Singer hypothesis, 29
- Preventive arm, 293*n*1, 307*n*9, 312
- Private consumption, 4
- Product life cycle theory, 234, 345
- Production functions, 295, 340
- Productivity, 18, 33, 55, 145, 151, 153, 237
- Productivity trends in European periphery, 92
- GDP per capita, 92
- growth dynamics, 96–97
- labour productivity, 93
- MFP growth in EU-15 countries, 96
- output growth and labour productivity growth, 94–95
- Programming Period (2007–2014), 322–325
- Programming period, 17, 293, 297, 313–315
- Provinces, 257, 259, 260, 263, 267, 282
- Public affairs, 255–257
- Public policies, 120, 275, 314
- Public-private partnerships (PPPs), 33, 146
- Purchasing power standard (PPS), 33, 283
- Quantile regressions (QR), 159, 160, 166
- ‘Quasi-Federalist’ approach, 262
- distribution of budgetary revenue in Spain, 266
- distribution of public expenditures in Spain, 268
- division of responsibility among local governments in Spain, 264–265
- expenditures in autonomous community budgets in Spain, 269
- local communities in Spain, 267
- sources of revenue in autonomous community budgets, 267
- Spanish administrative system, 270
- Spanish autonomous communities, 265, 267
- Spanish population, 263
- R&D and technology change within industries, 105–108
- Random effects model, 212
- RCI. *See* Regional Competitiveness Index (RCI)
- RE. *See* Regional economics (RE)
- Re-allocation factors effect, 117–118
- Real exchange rate (RER), 114, 117*n*2, 123, 132–133, 136
- appreciation, 116
- evolution of, 125
- models for, 130–131, 135
- Real GDP growth rate (GDPGR), 123
- Real GDP per capita (RGDPpc), 123
- conditional density, 124
- Reconversion, 300
- Region((s)), 16, 20, 25, 31, 33, 52, 74, 212
- Regional attractiveness, 220
- Regional authorities, 280–281, 283
- Regional budgets, 253, 258–259, 285
- Regional Competitiveness Index (RCI), 316
- Regional development, 13, 283, 285, 295, 339
- EU, 291



- policies, 32, 43, 69, 72
  - traditional target of, 354
- Regional economics (RE), 240, 339, 344
- Regional government, 253, 262
- Regional heterogeneity, 318
- Regional level, 5, 202, 246, 285, 316
- Regional OP (ROP), 323
- Regionalisation, 270
  - decentralisation and local self-government
    - in Poland, 278–286
    - in Romania, 270–278
- Regression analysis, 234
- RER. *See* Real exchange rate (RER)
- Research and development (R&D), 153, 297
- Resilience, 5, 16, 69, 352–353
- Resource(s), 24, 45, 55, 115, 119, 193, 257–258, 300
  - effect, 118
  - movement effect, 117–118
  - niche, 203
- Returns, 91, 295, 315, 341
- RGDPpc. *See* Real GDP per capita (RGDPpc)
- Risk of poverty, 41–42
- Romania, 313
  - allocation *vs.* absorption capacity, 322–325
  - decentralisation and local self-government in, 270
  - authorities, 271–272
  - distribution of local expenditures in, 277
  - distribution of responsibility in, 273–274
  - general share of local government expenditures, 271
  - indicators of fiscal decentralisation in, 275
  - local budgetary decisions, 278
  - Romanian health-care system, 277
  - source of dysfunctionality, 275–276
  - sources of local budgetary revenues in, 274
  - GDP/capita gaps in CEECs *vs.* EU average, 313–318
  - new regulatory framework in 2014–2020 programming period, 325–329
  - Romania–national and regional disparities, 318–322
- Romanian Partnership Agreement (2014–2020), 321, 326
- ROP. *See* Regional OP (ROP)
- RPL1000. *See* Number of readers in public libraries per 1000 inhabitants (RPL1000)
- RUFUS. *See* Rural Future Networks (RUFUS)
- Rural
  - depopulation, 206
  - methodological approach to diversity of rural areas in Europe, 180
  - rural–urban migration, 206
  - types for different sets of European member states, 185, 187–190
- Rural Future Networks (RUFUS), 179
  - types of rural regions in Europe, 191–192
  - typology, 183–184, 193, 194
- Rural regions, 179, 181, 188, 191–192
- Saving, 144, 159, 170, 315, 340–341
- Scale economies, 40, 52, 151–152

- Schumpeterian growth approach, 296
- SE member states. *See* Southern EU member states (SE member states)
- SEC. *See* Southern European countries/Southern periphery (SEC)
- Sector component, 183
- Segmentation variable, 209
- 'Segregation' effect, 262
- Self-government practices  
economic and social development, 252  
in EU, 253  
*See also* Local self-government
- Services, 237, 259, 280, 344
- SF. *See* Structural Funds (SF)
- SGP. *See* Stability and Growth Pact (SGP)
- Shared revenue, 258, 265
- Short-run interest rate (SRIR), 131–132  
evolution of, 126
- Single Market (SM), 292
- Skill-biased technical change, 145
- Social  
peripherality, 30  
space, 339
- Social and cultural activities, 267, 277
- Social assistance, 207, 277
- Socio-cultural  
constraints, 351  
space, 350–351
- Socio-economic  
component, 183, 184  
indicators, 194
- Solow–Swan model, 29, 295
- Southern development zone, 18
- Southern economies, 99
- Southern EU member states (SE member states), 146
- Southern Europe, 4, 146, 149, 191  
migration turnaround in, 205–207
- Southern European countries/Southern periphery (SEC), 201
- Southern periphery, 207–211  
decentralisation and local self-government  
in Italy, 256–262  
in Spain, 262–270
- Southwestern countries, 104
- Southwestern economies, 102
- Southwestern Europe, 93
- SP. *See* Spatial peripherality (SP)
- Spain  
decentralisation in, 262–270  
local self-government in, 262–270
- Spain, 13, 92, 102, 150
- Spatial account of development,  
case for modern, 347  
lessons from three  
interpretations of space, 348–349  
policy and economic space, 350  
socio-cultural space, 350–351
- Spatial distribution, 30, 339
- Spatial influences, 347
- Spatial peripherality (SP), 25, 60
- Spatial representation, 339
- Spatial/geographic component, 32
- 'Spatially-blind' theories, 295
- Special National Fund, 260
- Special regime, 257
- 'Spending effect', 117–118
- Spillovers, 97, 246
- SRIR. *See* Short-run interest rate (SRIR)
- Stability and Growth Pact (SGP), 293  
preventive arm, 312
- Stagnant services, 145, 153

- Stagnation, 24–25, 35, 45, 92, 205, 330, 344
- State consolidation, 218
- Static panel estimation method, fixed effects, 158
- Static panel model estimators, 239
- Stationarity, 128, 159, 160–161
- Structural
- component, 107
  - factors, 11
  - reforms clause, 312
- Structural change, 145, 150
- changes in structure of
    - production, employment and trade, 97–102
  - comparative perspective on, 146–150
  - empirical model and results, 158–169
  - and growth, 151–154
  - and inequality, 156–158
  - process, 144
  - skill and technology biased, 102–105
- Structural deficiencies, 5
- Structural Funds (SF), 122–123, 131–132
- Structural reforms, 4, 26
- Structural transformation, 132, 224
- Sub-regional, 12, 75, 316
- Subnational communities, 254, 256, 262, 285
- Subsidiarity, principle of, 252, 254–255
- Subsidies, 272, 275, 293
- TCR. *See* Total current revenue (TCR)
- Technological change, 97, 144–145, 151, 155, 157–158, 295–296, 340–341
- Territorial development, 338
- Territory, 52, 236, 254, 340
- of variable geometry, 352
- Tertiarisation process, 150
- TEU. *See* Treaty on European Union (TEU)
- TFEU. *See* Treaty on Functioning of EU (TFEU)
- TG. *See* Tradable goods (TG)
- Thematic conditionalities, 310
- Tiebout model, 254
- ‘TIME’ variables, 57, 58
- Total current revenue (TCR), 123, 131–132
- Total value added (TVA), 123
- Tradable goods (TG), 115, 117, 122, 127, 132
- Tradable knowledge-intensive services, 157
- Trade
- balance, 102
  - changes in structure, 97–102
  - shares in technology classes, 105
- Traditional services, 150, 157, 170
- Traditional services employment ratio (etrad), 159, 161–167
- Transfers, 257, 258, 263, 272, 283
- Transition(al)
- drivers, 218–220
  - economies of Central and Eastern Europe, 144–145
  - path, 205–207
  - period, 9
  - personal services, 151–152
  - services quantile estimates, 167
  - theories, 203–205
- Treaty on European Union (TEU), 297*n*4
- Treaty on Functioning of EU (TFEU), 97*n*4, 293*n*1, 307*n*9
- TVA. *See* Total value added (TVA)
- Typology, 179
- for rural areas in Europe, 181

- basic settings and data base, 181
- factor and cluster analysis, 183–185, 186
- indicator selection and derivation of rural types, 181–183, 184
- typology A, 185, 187–188
- typology C, 188–190
- usability of, 193
- Typology of European rural areas for spatial impact
  - assessment of policies (TERA-SIAP approach)
  - TERA-SIAP approach, 193
- ‘Unconventional’ measures, 226
- Unemployment, 212
  - rates, 178
  - and unequal distribution of income, 42–43
  - variable, 209
- Uneven development, 235, 311, 339, 343
- Unevenness, 339
- Uniform-abstract, 339, 352
  - space, 338–339, 340–342
- Uniform-abstract space, 339
  - models of, 340–342
- Unit root, 114–115, 129–130, 131
  - tests of relevant variables, 129–130, 131
- United Nations Economic Commission for Latin America (CEPAL), 338
- Urban Audit Core City Regions, 181
- Urban Audit Large Urban Zones, 181
- Urban competitiveness
  - and growth poles theory, 235–237
  - testing for polish, 237–240
- Urban development, 234
- Urbanisation, 209–210, 237
  - process, 225, 227
  - variable, 209
- Urbanisation level, 213, 223, 227
- VAIECB. *See* Industry VA
  - excluding Construction and Building (VAIECB)
- Value-added taxes (VAT), 272
- Vernon’s product life cycle theory, 234, 235
- Vertical intra-industry trade (VIIT), 39–40
- ‘Vertical linkages’ model, 20
- Visualisation, 180, 194
- Voivodships, 234, 237, 243, 281, 282
- Weighted least squares (WLS), 160, 164
- Welfare, 7, 40, 158, 236, 350
- Wiiw, 146
- Williamson hypothesis, 341
- World Economic Forum (WEF), 37, 74, 316