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< JEL Classification System / EconLit Subject Descriptors

## JEL Classification System / EconLit Subject Descriptors

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All changes since 2016-10-01 are noted below.

- <sup>‡</sup> = New Classification
- † = Updated Classification
- A00 General Economics and Teaching
- A10 General Economics: General
- A11 Role of Economics: Role of Economists: Market for Economists
- A12 Relation of Economics to Other Disciplines
- A13 Relation of Economics to Social Values
- A14 Sociology of Economics
- A19 General Economics: Other
- A20 Economic Education and Teaching of Economics: General
- A21 Economic Education and Teaching of Economics: Pre-college
- A22 Economic Education and Teaching of Economics: Undergraduate
- A23 Economic Education and Teaching of Economics: Graduate
- A29 Economic Education and Teaching of Economics: Other
- A30 Collective Works: General
- A31 Collected Writings of Individuals
- A32 Collective Volumes
- A33 Handbooks
- A39 Collective Works: Other
- B00 History of Economic Thought, Methodology, and Heterodox Approaches

| American Economic Association: JEL Codes  |
|---|
| History of Economic Thought through 1925: General   |
| History of Economic Thought: Preclassical (Ancient, Medieval, Mercantilist, Physiocratic)                   |
| History of Economic Thought: Classical (includes Adam Smith)  |
| History of Economic Thought: Neoclassical through 1925 (Austrian, Marshallian, Walrasian, Wicksellian) †    |
| History of Economic Thought through 1925: Socialist; Marxist  |
| History of Economic Thought through 1925: Historical; Institutional; Evolutionary                           |
| History of Economic Thought through 1925: Quantitative and Mathematical                                     |
| History of Economic Thought through 1925: International Trade and Finance                                   |
| History of Economic Thought through 1925: Other   |
| History of Economic Thought since 1925: General   |
| History of Economic Thought: Microeconomics   |
| History of Economic Thought: Macroeconomics   |
| History of Economic Thought: Quantitative and Mathematical  |
| History of Economic Thought since 1925: Socialist; Marxist; Sraffian  |
| History of Economic Thought since 1925: Historical; Institutional; Evolutionary; Austrian; Stockholm School |
| History of Economic Thought since 1925: Financial Economics   |
| History of Economic Thought since 1925: International Trade and Finance                                     |
| History of Economic Thought since 1925: Other   |
| History of Economic Thought: Individuals: General   |
| History of Economic Thought: Individuals  |
| Obituaries  |
| Economic Methodology: General   |
| Economic Methodology  |
| Economic Methodology: Other   |
| Current Heterodox Approaches: General   |
|   |

Current Heterodox Approaches: Socialist; Marxian; Sraffian

Current Heterodox Approaches: Austrian

 $Current\ Heterodox\ Approaches:\ Historical;\ Institutional;\ Evolutionary^{\dagger}$ 

https://www.aeaweb.org/econlit/jelCodes.php?view=econlit&print

B51

B52

B53

- **B54** Feminist Economics
- B59 Current Heterodox Approaches: Other
- C00 Mathematical and Quantitative Methods: General
- C01 Econometrics
- C02 Mathematical Methods
- C10 Econometric and Statistical Methods and Methodology: General
- C11 Bayesian Analysis: General
- C12 Hypothesis Testing: General
- C13 Estimation: General
- C14 Semiparametric and Nonparametric Methods: General
- C15 Statistical Simulation Methods: General
- C18 Methodological Issues: General
- C19 Econometric and Statistical Methods: Other
- C20 Single Equation Models; Single Variables: General
- C21 Single Equation Models; Single Variables: Cross-Sectional Models; Spatial Models; Treatment Effect Models; Quantile Regressions
- C22 Single Equation Models; Single Variables: Time-Series Models; Dynamic Ouantile Regressions; Dynamic Treatment Effect Models; Diffusion Processes
- C23 Single Equation Models; Single Variables: Panel Data Models; Spatio-temporal Models
- C24 Single Equation Models; Single Variables: Truncated and Censored Models; Switching Regression Models; Threshold Regression Models
- C25 Single Equation Models; Single Variables: Discrete Regression and Qualitative Choice Models; Discrete Regressors; Proportions; Probabilities
- C26 Single Equation Models: Single Variables: Instrumental Variables (IV) Estimation
- C29 Single Equation Models; Single Variables: Other
- C30 Multiple or Simultaneous Equation Models; Multiple Variables: General
- C31 Multiple or Simultaneous Equation Models: Cross-Sectional Models; Spatial Models; Treatment Effect Models; Quantile Regressions; Social Interaction Models
- C32 Multiple or Simultaneous Equation Models: Time-Series Models; Dynamic

| Quantile Regressions; Dynamic Treatment Effect Models; Diffusion Processe | S |
|---|---|
| State Space Models  |   |

- C33 Multiple or Simultaneous Equation Models: Panel Data Models; Spatiotemporal Models
- C34 Multiple or Simultaneous Equation Models: Truncated and Censored Models; Switching Regression Models
- C35 Multiple or Simultaneous Equation Models: Discrete Regression and Qualitative Choice Models; Discrete Regressors; Proportions
- C36 Multiple or Simultaneous Equation Models: Instrumental Variables (IV) Estimation
- C38 Multiple or Simultaneous Equation Models: Classification Methods; Cluster Analysis; Principal Components; Factor Models
- C39 Multiple or Simultaneous Equation Models; Multiple Variables: Other
- C40 Econometric and Statistical Methods: Special Topics: General
- C41 Duration Analysis; Optimal Timing Strategies
- C42 Classification Discontinued 2008. See C83.
- C43 Index Numbers and Aggregation; Leading indicators
- C44 Operations Research; Statistical Decision Theory
- C45 Neural Networks and Related Topics
- C46 Specific Distributions; Specific Statistics
- C49 Econometric and Statistical Methods: Special Topics: Other
- C50 Econometric Modeling: General
- C51 Model Construction and Estimation
- C52 Model Evaluation, Validation, and Selection
- C53 Forecasting Models; Simulation Methods
- C54 Quantitative Policy Modeling
- C55 Large Data Sets: Modeling and Analysis
- C57 Econometrics of Games and Auctions
- C58 Financial Econometrics
- C59 Econometric Modeling: Other
- C60 Mathematical Methods; Programming Models; Mathematical and Simulation Modeling: General
- C61 Optimization Techniques; Programming Models; Dynamic Analysis

| C62 | Existence and Stability Conditions of Equilibrium   |
|-----|---|
| C63 | Computational Techniques; Simulation Modeling   |
| C65 | Miscellaneous Mathematical Tools  |
| C67 | Input-Output Models   |
| C68 | Computable General Equilibrium Models   |
| C69 | Mathematical Methods; Programming Models; Mathematical and Simulation Modeling: Other       |
| C70 | Game Theory and Bargaining Theory: General  |
| C71 | Cooperative Games   |
| C72 | Noncooperative Games  |
| C73 | Stochastic and Dynamic Games; Evolutionary Games; Repeated Games                            |
| C78 | Bargaining Theory; Matching Theory  |
| C79 | Game Theory and Bargaining Theory: Other  |
| C80 | Data Collection and Data Estimation Methodology; Computer Programs:<br>General              |
| C81 | Methodology for Collecting, Estimating, and Organizing Microeconomic Data;<br>Data Access   |
| C82 | Methodology for Collecting, Estimating, and Organizing Macroeconomic Data;<br>Data Access   |
| C83 | Survey Methods; Sampling Methods  |
| C87 | Econometric Software  |
| C88 | Data Collection and Data Estimation Methodology; Computer Programs: Other Computer Software |
| C89 | Data Collection and Data Estimation Methodology; Computer Programs: Other                   |
| C90 | Design of Experiments: General  |
| C91 | Design of Experiments: Laboratory, Individual   |
| C92 | Design of Experiments: Laboratory, Group Behavior   |
| C93 | Field Experiments   |
| C99 | Design of Experiments: Other  |
|     |   |
|     |   |

- D00 Microeconomics: General
- D01 Microeconomic Behavior: Underlying Principles

- American Economic Association: JEL Codes D02 Institutions: Design, Formation, Operations, and Impact D04 Microeconomic Policy: Formulation, Implementation, and Evaluation D10 Household Behavior: General D11 Consumer Economics: Theory D12 Consumer Economics: Empirical Analysis D13 Household Production and Intrahousehold Allocation D14 Household Saving; Personal Finance D15 Intertemporal Household Choice; Life Cycle Models and Saving D18 Consumer Protection D19 Household Behavior and Family Economics: Other D20 Production and Organizations: General D21 Firm Behavior: Theory D22 Firm Behavior: Empirical Analysis D23 Organizational Behavior; Transaction Costs; Property Rights D24 Production; Cost; Capital; Capital, Total Factor, and Multifactor Productivity; Capacity D25 Intertemporal Firm Choice: Investment, Capacity, and Financing D29 Production and Organizations: Other D30 Distribution: General D31 Personal Income, Wealth, and Their Distributions D33 Factor Income Distribution
  - D39 Distribution: Other
  - D40 Market Structure, Pricing, and Design: General
  - D41 Market Structure, Pricing, and Design: Perfect Competition
  - D42 Market Structure, Pricing, and Design: Monopoly
  - D43 Market Structure, Pricing, and Design: Oligopoly and Other Forms of Market Imperfection
  - D44 Auctions
  - D45 Rationing; Licensing
  - D46 Value Theory
- D47 Market Design

- American Economic Association: JEL Codes D49 Market Structure and Pricing: Other D50 General Equilibrium and Disequilibrium: General D51 Exchange and Production Economies D52 Incomplete Markets D53 General Equilibrium and Disequilibrium: Financial Markets D57 General Equilibrium and Disequilibrium: Input-Output Tables and Analysis D58 Computable and Other Applied General Equilibrium Models D59 General Equilibrium and Disequilibrium: Other D60 Welfare Economics: General D61 Allocative Efficiency; Cost-Benefit Analysis D62 Externalities D63 Equity, Justice, Inequality, and Other Normative Criteria and Measurement D64 Altruism; Philanthropy; Intergenerational Transfers D69 Welfare Economics: Other D70 Analysis of Collective Decision-Making: General D71 Social Choice; Clubs; Committees; Associations D72 Political Processes: Rent-seeking, Lobbying, Elections, Legislatures, and Voting Behavior D73 Bureaucracy; Administrative Processes in Public Organizations; Corruption D74 Conflict; Conflict Resolution; Alliances; Revolutions D78 Positive Analysis of Policy Formulation and Implementation D79 Analysis of Collective Decision-Making: Other D80 Information, Knowledge, and Uncertainty: General D81 Criteria for Decision-Making under Risk and Uncertainty D82 Asymmetric and Private Information; Mechanism Design D83 Search; Learning; Information and Knowledge; Communication; Belief; Unawareness
- D84 Expectations; Speculations
- D85 Network Formation and Analysis: Theory
- D86 Economics of Contract: Theory
- D87 Neuroeconomics

| D89 Information and Uncertainty: Othe |
|---------------------------------------|
|---------------------------------------|

- D90 Micro-Based Behavioral Economics: General<sup>‡</sup>
- D91 Micro-Based Behavioral Economics: Role and Effects of Psychological, Emotional, Social, and Cognitive Factors on Decision Making<sup>‡</sup>
- E00 Macroeconomics and Monetary Economics: General
- E01 Measurement and Data on National Income and Product Accounts and Wealth; Environmental Accounts
- E02 Institutions and the Macroeconomy
- E10 General Aggregative Models: General
- E11 General Aggregative Models: Marxian; Sraffian; Kaleckian
- E12 General Aggregative Models: Keynes; Keynesian; Post-Keynesian
- E13 General Aggregative Models: Neoclassical
- E14 Austrian; Evolutionary; Institutional
- E16 General Aggregative Models: Social Accounting Matrix
- E17 General Aggregative Models: Forecasting and Simulation: Models and Applications
- E19 General Aggregative Models: Other
- E20 Consumption, Saving, Production, Investment, Labor Markets, and Informal Economy: General (includes Measurement and Data)
- E21 Macroeconomics: Consumption; Saving; Wealth
- E22 Investment; Capital; Intangible Capital; Capacity
- E23 Macroeconomics: Production
- E24 Employment; Unemployment; Wages; Intergenerational Income Distribution; Aggregate Human Capital; Aggregate Labor Productivity
- E25 Aggregate Factor Income Distribution
- E26 Informal Economy; Underground Economy
- E27 Macroeconomics: Consumption, Saving, Production, Employment, and Investment: Forecasting and Simulation: Models and Applications
- E29 Consumption, Saving, Production, Investment, Labor Markets, and Informal Economy: Other
- E30 Prices, Business Fluctuations, and Cycles: General (includes Measurement and Data)

| E31 | Price Level; Inflation; Deflation  |
|-----|--|
| E32 | Business Fluctuations; Cycles  |
| E37 | Prices, Business Fluctuations, and Cycles: Forecasting and Simulation: Models and Applications |
| E39 | Prices, Business Fluctuations, and Cycles: Other   |
| E40 | Money and Interest Rates: General  |
| E41 | Demand for Money   |
| E42 | Monetary Systems; Standards; Regimes; Government and the Monetary System; Payment Systems      |
| E43 | Interest Rates: Determination, Term Structure, and Effects                                     |
| E44 | Financial Markets and the Macroeconomy   |
| E47 | Money and Interest Rates: Forecasting and Simulation: Models and Applications                  |
| E49 | Money and Interest Rates: Other  |
| E50 | Monetary Policy, Central Banking, and the Supply of Money and Credit:<br>General               |
| E51 | Money Supply; Credit; Money Multipliers  |
| E52 | Monetary Policy  |
| E58 | Central Banks and Their Policies   |
| E59 | Monetary Policy, Central Banking, and the Supply of Money and Credit: Other                    |
| E60 | Macroeconomic Policy, Macroeconomic Aspects of Public Finance, and General Outlook: General    |
| E61 | Policy Objectives; Policy Designs and Consistency; Policy Coordination                         |
| E62 | Fiscal Policy  |
| E63 | Comparative or Joint Analysis of Fiscal and Monetary Policy; Stabilization; Treasury Policy    |
| E64 | Incomes Policy; Price Policy   |
| E65 | Studies of Particular Policy Episodes  |
| E66 | General Outlook and Conditions   |
| E69 | Macroeconomic Policy, Macroeconomic Aspects of Public Finance, and General Outlook: Other      |
| E70 | Macro-Based Behavioral Economics: General <sup>‡</sup>   |

Macro-Based Behavioral Economics: Role and Effects of Psychological,

## Emotional, Social, and Cognitive Factors on the Macro Economy $^{\ddagger}$

| F00 | International Economics: General   |
|-----|--|
| F01 | Global Outlook   |
| F02 | International Economic Order and Integration                                     |
| F10 | Trade: General   |
| F11 | Neoclassical Models of Trade   |
| F12 | Models of Trade with Imperfect Competition and Scale Economies;<br>Fragmentation |
| F13 | Trade Policy; International Trade Organizations                                  |
| F14 | Empirical Studies of Trade   |
| F15 | Economic Integration   |
| F16 | Trade and Labor Market Interactions  |
| F17 | Trade: Forecasting and Simulation  |
| F18 | Trade and Environment  |
| F19 | Trade: Other   |
| F20 | International Factor Movements and International Business: General               |
| F21 | International Investment; Long-term Capital Movements                            |
| F22 | International Migration  |
| F23 | Multinational Firms; International Business                                      |
| F24 | Remittances  |
| F29 | International Factor Movements: Other  |
| F30 | International Finance: General   |
| F31 | Foreign Exchange   |
| F32 | Current Account Adjustment; Short-term Capital Movements                         |
| F33 | International Monetary Arrangements and Institutions                             |
| F34 | International Lending and Debt Problems  |
| F35 | Foreign Aid  |
| F36 | Financial Aspects of Economic Integration  |
| F37 | International Finance Forecasting and Simulation: Models and Applications        |
| F38 | International Financial Policy: Financial Transactions Tax; Capital Controls     |

| F39 | International Finance: Other  |
|-----|---|
| F40 | Macroeconomic Aspects of International Trade and Finance: General   |
| F41 | Open Economy Macroeconomics   |
| F42 | International Policy Coordination and Transmission  |
| F43 | Economic Growth of Open Economies   |
| F44 | International Business Cycles   |
| F45 | Macroeconomic Issues of Monetary Unions   |
| F47 | Macroeconomic Aspects of International Trade and Finance: Forecasting and Simulation: Models and Applications |
| F49 | Macroeconomic Aspects of International Trade and Finance: Other   |
| F50 | International Relations, National Security, and International Political Economy: General                      |
| F51 | International Conflicts; Negotiations; Sanctions  |
| F52 | National Security; Economic Nationalism   |
| F53 | International Agreements and Observance; International Organizations  |
| F54 | Colonialism; Imperialism; Postcolonialism   |
| F55 | International Institutional Arrangements  |
| F59 | International Relations and International Political Economy: Other  |
| F60 | Economic Impacts of Globalization: General  |
| F61 | Economic Impacts of Globalization: Microeconomic Impacts  |
| F62 | Economic Impacts of Globalization: Macroeconomic Impacts  |
| F63 | Economic Impacts of Globalization: Economic Development   |
| F64 | Economic Impacts of Globalization: Environment  |
| F65 | Economic Impacts of Globalization: Finance  |
| F66 | Economic Impacts of Globalization: Labor  |
| F68 | Economic Impacts of Globalization: Policy   |
| F69 | Economic Impacts of Globalization: Other  |
|     |   |
| G00 | Financial Economics: General  |
| G01 | Financial Crises  |
| G10 | General Financial Markets: General (includes Measurement and Data)  |

| 0. 26. | American Francowic Associations JEL Codes   |
|--------|---|
| G11    | American Economic Association: JEL Codes Portfolio Choice; Investment Decisions                                 |
| G12    | Asset Pricing; Trading Volume; Bond Interest Rates  |
| G13    | Contingent Pricing; Futures Pricing; option pricing   |
| G14    | Information and Market Efficiency; Event Studies; Insider Trading   |
| G15    | International Financial Markets   |
| G17    | Financial Forecasting and Simulation  |
| G18    | General Financial Markets: Government Policy and Regulation   |
| G19    | General Financial Markets: Other  |
| G20    | Financial Institutions and Services: General  |
|        |   |
| G21    | Banks; Depository Institutions; Micro Finance Institutions; Mortgages   |
| G22    | Insurance; Insurance Companies; Actuarial Studies   |
| G23    | Pension Funds; Non-bank Financial Institutions; Financial Instruments; Institutional Investors                  |
| G24    | Investment Banking; Venture Capital; Brokerage; Ratings and Ratings Agencies                                    |
| G28    | Financial Institutions and Services: Government Policy and Regulation   |
| G29    | Financial Institutions and Services: Other  |
| G30    | Corporate Finance and Governance: General   |
| G31    | Capital Budgeting; Fixed Investment and Inventory Studies; Capacity   |
| G32    | Financing Policy; Financial Risk and Risk Management; Capital and Ownership Structure; Value of Firms; Goodwill |
| G33    | Bankruptcy; Liquidation   |
| G34    | Mergers; Acquisitions; Restructuring; Voting; Proxy Contests; Corporate<br>Governance                           |
| G35    | Payout Policy   |
| G38    | Corporate Finance and Governance: Government Policy and Regulation  |
|        |   |

- G39 Corporate Finance and Governance: Other
- G40 Behavioral Finance: General<sup>‡</sup>
- G41 Behavioral Finance: Role and Effects of Psychological, Emotional, Social, and Cognitive Factors on Decision Making in Financial Markets<sup>‡</sup>
- H00 Public Economics: General
- H10 Structure and Scope of Government: General

| HII | Structure, Scope, and Performance of Government  |
|-----|--|
| H12 | Crisis Management  |
| H13 | Economics of Eminent Domain; Expropriation; Nationalization  |
| H19 | Structure and Scope of Government: Other   |
| H20 | Taxation, Subsidies, and Revenue: General  |
| H21 | Taxation and Subsidies: Efficiency; Optimal Taxation   |
| H22 | Taxation and Subsidies: Incidence  |
| H23 | Taxation and Subsidies: Externalities; Redistributive Effects; Environmental Taxes and Subsidies                     |
| H24 | Personal Income and Other Nonbusiness Taxes and Subsidies; includes inheritance and gift taxes                       |
| H25 | Business Taxes and Subsidies including sales and value-added (VAT)   |
| H26 | Tax Evasion and Avoidance  |
| H27 | Taxation, Subsidies, and Revenues: Other Sources of Revenue  |
| H29 | Taxation and Subsidies: Other  |
| H30 | Fiscal Policies and Behavior of Economic Agents: General   |
| H31 | Fiscal Policies and Behavior of Economic Agents: Household   |
| H32 | Fiscal Policies and Behavior of Economic Agents: Firm  |
| H39 | Fiscal Policies and Behavior of Economic Agents: Other   |
| H40 | Publicly Provided Goods: General   |
| H41 | Public Goods   |
| H42 | Publicly Provided Private Goods  |
| H43 | Project Evaluation; Social Discount Rate   |
| H44 | Publicly Provided Goods: Mixed Markets   |
| H49 | Publicly Provided Goods: Other   |
| H50 | National Government Expenditures and Related Policies: General   |
| H51 | National Government Expenditures and Health  |
| H52 | National Government Expenditures and Education   |
| H53 | National Government Expenditures and Welfare Programs  |
| H54 | National Government Expenditures and Related Policies: Infrastructures;<br>Other Public Investment and Capital Stock |

| . 26. | American Economic Association: JEL Codes   |
|-------|--|
| H55   | Social Security and Public Pensions  |
| H56   | National Security and War  |
| H57   | National Government Expenditures and Related Policies: Procurement   |
| H59   | National Government Expenditures and Related Policies: Other   |
| H60   | National Budget, Deficit, and Debt: General  |
| H61   | National Budget; Budget Systems  |
| H62   | National Deficit; Surplus  |
| H63   | National Debt; Debt Management; Sovereign Debt   |
| H68   | Forecasts of Budgets, Deficits, and Debt   |
| H69   | National Budget, Deficit, and Debt: Other  |
| H70   | State and Local Government; Intergovernmental Relations: General   |
| H71   | State and Local Taxation, Subsidies, and Revenue   |
| H72   | State and Local Budget and Expenditures  |
| H73   | State and Local Government; Intergovernmental Relations: Interjurisdictional Differentials and Their Effects |
| H74   | State and Local Borrowing  |
| H75   | State and Local Government: Health; Education; Welfare; Public Pensions                                      |
| H76   | State and Local Government: Other Expenditure Categories   |
| H77   | Intergovernmental Relations; Federalism; Secession   |
| H79   | State and Local Government; Intergovernmental Relations: Other   |
| H80   | Public Economics: Miscellaneous Issues: General  |
| H81   | Governmental Loans; Loan Guarantees; Credits; Grants; Bailouts   |
| H82   | Governmental Property  |
| H83   | Public Administration; Public Sector Accounting and Audits   |
| H84   | Disaster Aid   |
| H87   | International Fiscal Issues; International Public Goods  |

- I00 Health, Education, and Welfare: General

H89 Public Economics: Miscellaneous Issues: Other

- I10 Health: General
- I11 Analysis of Health Care Markets

| ). 26. | American Economic Association: JEL Codes   |
|--------|--|
| I12    | Health Behavior  |
| I13    | Health Insurance, Public and Private   |
| I14    | Health and Inequality  |
| I15    | Health and Economic Development  |
| I18    | Health: Government Policy; Regulation; Public Health   |
| I19    | Health: Other  |
| I20    | Education and Research Institutions: General   |
| I21    | Analysis of Education  |
| I22    | Educational Finance; Financial Aid   |
| I23    | Higher Education; Research Institutions  |
| I24    | Education and Inequality   |
| I25    | Education and Economic Development   |
| I26    | Returns to Education   |
| I28    | Education: Government Policy   |
| I29    | Education: Other   |
| I30    | Welfare, Well-Being, and Poverty: General  |
| I31    | General Welfare; Well-Being  |
| I32    | Measurement and Analysis of Poverty  |
| I38    | Welfare, Well-Being, and Poverty: Government Programs; Provision and Effects of Welfare Programs |
| I39    | Welfare, Well-Being, and Poverty: Other  |
|        |  |
| J00    | Labor and Demographic Economics: General   |
| J01    | Labor Economics: General   |
| J08    | Labor Economics Policies   |
| J10    | Demographic Economics: General   |
| J11    | Demographic Trends, Macroeconomic Effects, and Forecasts   |

Marriage; Marital Dissolution; Family Structure; Domestic Abuse

Economics of the Elderly; Economics of the Handicapped; Non-labor Market

Fertility; Family Planning; Child Care; Children; Youth

Discrimination

J12

J13

J14

| ). 26. | American Economic Association: JEL Codes   |
|--------|--|
| J15    | Economics of Minorities, Races, Indigenous Peoples, and Immigrants; Non-labor Discrimination |
| J16    | Economics of Gender; Non-labor Discrimination  |
| J17    | Value of Life; Forgone Income  |
| J18    | Demographic Economics: Public Policy   |
| J19    | Demographic Economics: Other   |
| J20    | Demand and Supply of Labor: General  |
| J21    | Labor Force and Employment, Size, and Structure  |
| J22    | Time Allocation and Labor Supply   |
| J23    | Labor Demand   |
| J24    | Human Capital; Skills; Occupational Choice; Labor Productivity                               |
| J26    | Retirement; Retirement Policies  |
| J28    | Safety; Job Satisfaction; Related Public Policy  |
| J29    | Time Allocation, Work Behavior, and Employment Determination: Other                          |
| J30    | Wages, Compensation, and Labor Costs: General  |
| J31    | Wage Level and Structure; Wage Differentials   |
| J32    | Nonwage Labor Costs and Benefits; Retirement Plans; Private Pensions                         |
| J33    | Compensation Packages; Payment Methods   |
| J38    | Wages, Compensation, and Labor Costs: Public Policy  |
| J39    | Wages, Compensation, and Labor Costs: Other  |
| J40    | Particular Labor Markets: General  |
| J41    | Labor Contracts  |
| J42    | Monopsony; Segmented Labor Markets   |
| J43    | Agricultural Labor Markets   |
| J44    | Professional Labor Markets; Occupational Licensing   |
| J45    | Public Sector Labor Markets  |
| J46    | Informal Labor Markets   |
| J47    | Coercive Labor Markets   |
| I48    | Particular Labor Markets: Public Policy  |

Labor-Management Relations, Trade Unions, and Collective Bargaining:

Particular Labor Markets: Other

J49

J50

- General J51 Trade Unions: Objectives, Structure, and Effects J52 Dispute Resolution: Strikes, Arbitration, and Mediation; Collective Bargaining J53 Labor-Management Relations; Industrial Jurisprudence **I54** Producer Cooperatives; Labor Managed Firms; Employee Ownership J58 Labor-Management Relations, Trade Unions, and Collective Bargaining: Public Policy J59 Labor-Management Relations, Trade Unions, and Collective Bargaining: Other Mobility, Unemployment, Vacancies, and Immigrant Workers: General J60 J61 Geographic Labor Mobility; Immigrant Workers J62 Job, Occupational, and Intergenerational Mobility; Promotion Labor Turnover; Vacancies; Layoffs J63 Unemployment: Models, Duration, Incidence, and Job Search J64 J65 Unemployment Insurance; Severance Pay; Plant Closings J68 Mobility, Unemployment, and Vacancies: Public Policy J69 Mobility, Unemployment, and Vacancies: Other Labor Discrimination: General J70 Labor Discrimination J71 J78 Labor Discrimination: Public Policy Labor Discrimination: Other J79 J80 Labor Standards: General J81 Labor Standards: Working Conditions Labor Standards: Labor Force Composition J82 Labor Standards: Workers' Rights J83 Labor Standards: Public Policy **J88 J**89 Labor Standards: Other
- K00 Law and Economics: General
- K10 Basic Areas of Law: General (Constitutional Law)
- K11 Property Law
- K12 Contract Law

- K13 Tort Law and Product Liability; Forensic Economics
- K14 Criminal Law
- K15 Civil Law; Common Law<sup>‡</sup>
- K16 Election Law<sup>‡</sup>
- K19 Basic Areas of Law: Other
- K20 Regulation and Business Law: General
- K21 Antitrust Law
- K22 Business and Securities Law
- K23 Regulated Industries and Administrative Law
- K24 Cyber Law<sup>‡</sup>
- K25 Real Estate Law<sup>‡</sup>
- K29 Regulation and Business Law: Other
- K30 Other Substantive Areas of Law: General
- K31 Labor Law
- K32 Energy, Environmental, Health, and Safety Law<sup>†</sup>
- K33 International Law
- K34 Tax Law
- K35 Personal Bankruptcy Law
- K36 Family and Personal Law
- K37 Immigration Law
- K38 Human Rights Law; Gender Law<sup>‡</sup>
- K39 Other Substantive Areas of Law: Other
- K40 Legal Procedure, the Legal System, and Illegal Behavior: General
- K41 Litigation Process
- K42 Illegal Behavior and the Enforcement of Law
- K49 Legal Procedure, the Legal System, and Illegal Behavior: Other
- L00 Industrial Organization: General
- L10 Market Structure, Firm Strategy, and Market Performance: General
- L11 Production, Pricing, and Market Structure; Size Distribution of Firms
- L12 Monopoly; Monopolization Strategies

| L13 | Oligopoly and Other Imperfect Markets  |  |  |
|-----|--|--|--|
| L14 | Transactional Relationships; Contracts and Reputation; Networks  |  |  |
| L15 | Information and Product Quality; Standardization and Compatibility   |  |  |
| L16 | Industrial Organization and Macroeconomics: Industrial Structure and Structural Change; Industrial Price Indices |  |  |
| L17 | Open Source Products and Markets   |  |  |
| L19 | Market Structure, Firm Strategy, and Market Performance: Other   |  |  |
| L20 | Firm Objectives, Organization, and Behavior: General   |  |  |
| L21 | Business Objectives of the Firm  |  |  |
| L22 | Firm Organization and Market Structure   |  |  |
| L23 | Organization of Production   |  |  |
| L24 | 4 Contracting Out; Joint Ventures; Technology Licensing  |  |  |
| L25 | L25 Firm Performance: Size, Diversification, and Scope   |  |  |
| L26 | 26 Entrepreneurship  |  |  |
| L29 | 29 Firm Objectives, Organization, and Behavior: Other  |  |  |
| L30 | 0 Nonprofit Organizations and Public Enterprise: General   |  |  |
| L31 | Nonprofit Institutions; NGOs; Social Entrepreneurship  |  |  |
| L32 | 2 Public Enterprises; Public-Private Enterprises   |  |  |
| L33 | Comparison of Public and Private Enterprises and Nonprofit Institutions; Privatization; Contracting Out          |  |  |
| L38 | Public Policy  |  |  |
| L39 | Nonprofit Organizations and Public Enterprise: Other   |  |  |
| L40 | Antitrust Issues and Policies: General   |  |  |
| L41 | Monopolization; Horizontal Anticompetitive Practices   |  |  |
| L42 | Vertical Restraints; Resale Price Maintenance; Quantity Discounts  |  |  |
| L43 | Legal Monopolies and Regulation or Deregulation  |  |  |
| L44 | Antitrust Policy and Public Enterprises, Nonprofit Institutions, and Professional Organizations                  |  |  |
| L49 | Antitrust Policy: Other  |  |  |
| L50 | Regulation and Industrial Policy: General  |  |  |
| L51 | Economics of Regulation  |  |  |

| L52 | Industrial Policy; Sectoral Planning Methods   |  |  |  |
|-----|--|--|--|--|
| L53 | Enterprise Policy  |  |  |  |
| L59 | Regulation and Industrial Policy: Other  |  |  |  |
| L60 | Industry Studies: Manufacturing: General   |  |  |  |
| L61 | Metals and Metal Products; Cement; Glass; Ceramics   |  |  |  |
| L62 | Automobiles; Other Transportation Equipment; Related Parts and Equipment                                       |  |  |  |
| L63 | Microelectronics; Computers; Communications Equipment  |  |  |  |
| L64 | Other Machinery; Business Equipment; Armaments   |  |  |  |
| L65 | Chemicals; Rubber; Drugs; Biotechnology; Plastics <sup>†</sup>   |  |  |  |
| L66 | Food; Beverages; Cosmetics; Tobacco; Wine and Spirits  |  |  |  |
| L67 | Other Consumer Nondurables: Clothing, Textiles, Shoes, and Leather Goods;<br>Household Goods; Sports Equipment |  |  |  |
| L68 | Appliances; Furniture; Other Consumer Durables   |  |  |  |
| L69 | Industry Studies: Manufacturing: Other   |  |  |  |
| L70 | Industry Studies: Primary Products and Construction: General   |  |  |  |
| L71 | Mining, Extraction, and Refining: Hydrocarbon Fuels  |  |  |  |
| L72 | Mining, Extraction, and Refining: Other Nonrenewable Resources   |  |  |  |
| L73 | Forest Products  |  |  |  |
| L74 | Construction   |  |  |  |
| L78 | Industry Studies: Primary Products and Construction: Government Policy   |  |  |  |
| L79 | Industry Studies: Primary Products and Construction: Other   |  |  |  |
| L80 | Industry Studies: Services: General  |  |  |  |
| L81 | Retail and Wholesale Trade; e-Commerce   |  |  |  |
| L82 | Entertainment; Media   |  |  |  |
| L83 | Sports; Gambling; Restaurants; Recreation; Tourism   |  |  |  |
| L84 | Personal, Professional, and Business Services  |  |  |  |
| L85 | Real Estate Services   |  |  |  |
| L86 | Information and Internet Services; Computer Software   |  |  |  |
| L87 | Postal and Delivery Services   |  |  |  |
| L88 | Industry Studies: Services: Government Policy  |  |  |  |
| L89 | Industry Studies: Services: Other  |  |  |  |

| L90 | Industry Studies: Transportation and Utilities: General   |
|-----|---|
| L91 | Transportation: General   |
| L92 | Railroads and Other Surface Transportation  |
| L93 | Air Transportation  |
| L94 | Electric Utilities  |
| L95 | Gas Utilities; Pipelines; Water Utilities   |
| L96 | Telecommunications  |
| L97 | Utilities: General  |
| L98 | Industry Studies: Utilities and Transportation: Government Policy                                   |
| L99 | Industry Studies: Utilities and Transportation: Other   |
|     |   |
| M00 | Business Administration and Business Economics; Marketing; Accounting; Personnel Economics: General |
| M10 | Business Administration: General  |
| M11 | Production Management   |
| M12 | Personnel Management; Executives; Executive Compensation  |
| M13 | New Firms; Startups   |
| M14 | Corporate Culture; Diversity; Social Responsibility   |
| M15 | IT Management   |
| M16 | International Business Administration   |
| M19 | Business Administration: Other  |
| M20 | Business Economics: General   |
| M21 | Business Economics  |
| M29 | Business Economics: Other   |
| M30 | Marketing and Advertising: General  |
| M31 | Marketing   |
| M37 | Advertising   |
| M38 | Marketing and Advertising: Government Policy and Regulation   |
| M39 | Marketing and Advertising: Other  |
| M40 | Accounting and Auditing: General  |
| M41 | Accounting  |

- M42 Auditing
- M48 Accounting and Auditing: Government Policy and Regulation
- M49 Accounting: Other
- M50 Personnel Economics: General
- M51 Personnel Economics: Firm Employment Decisions; Promotions
- M52 Personnel Economics: Compensation and Compensation Methods and Their Effects
- M53 Personnel Economics: Training
- M54 Personnel Economics: Labor Management
- M55 Personnel Economics: Labor Contracting Devices
- M59 Personnel Economics: Other
- N00 Economic History: General
- N01 Development of the Discipline: Historiographical; Sources and Methods
- N10 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: General, International, or Comparative
- N11 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: U.S.; Canada: Pre-1913
- N12 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: U.S.; Canada: 1913-
- N13 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: Europe: Pre-1913
- N14 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: Europe: 1913-
- N15 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: Asia including Middle East
- N16 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: Latin America; Caribbean
- N17 Economic History: Macroeconomics and Monetary Economics; Industrial Structure; Growth; Fluctuations: Africa; Oceania
- N20 Economic History: Financial Markets and Institutions: General, International, or Comparative
- N21 Economic History: Financial Markets and Institutions: U.S.; Canada: Pre-1913
- N22 Economic History: Financial Markets and Institutions: U.S.; Canada: 1913-

- N23 Economic History: Financial Markets and Institutions: Europe: Pre-1913
- N24 Economic History: Financial Markets and Institutions: Europe: 1913-
- N25 Economic History: Financial Markets and Institutions: Asia including Middle East
- N26 Economic History: Financial Markets and Institutions: Latin America; Caribbean
- N27 Economic History: Financial Markets and Institutions: Africa; Oceania
- N30 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: General, International, or Comparative
- N31 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: U.S.; Canada: Pre-1913
- N32 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: U.S.; Canada: 1913-
- N33 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: Europe: Pre-1913
- N34 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: Europe: 1913-
- N35 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: Asia including Middle East
- N36 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: Latin America; Caribbean
- N37 Economic History: Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy: Africa; Oceania
- N40 Economic History: Government, War, Law, International Relations, and Regulation: General, International, or Comparative
- N41 Economic History: Government, War, Law, International Relations, and Regulation: U.S.; Canada: Pre-1913
- N42 Economic History: Government, War, Law, International Relations, and Regulation: U.S.; Canada: 1913-
- N43 Economic History: Government, War, Law, International Relations, and Regulation: Europe: Pre-1913
- N44 Economic History: Government, War, Law, International Relations, and Regulation: Europe: 1913-

- N45 Economic History: Government, War, Law, International Relations, and Regulation: Asia including Middle East
- N46 Economic History: Government, War, Law, International Relations, and Regulation: Latin America; Caribbean
- N47 Economic History: Government, War, Law, International Relations, and Regulation: Africa; Oceania
- N50 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: General, International, or Comparative
- N51 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: U.S.; Canada: Pre-1913
- N52 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: U.S.; Canada: 1913-
- N53 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: Europe: Pre-1913
- N54 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: Europe: 1913-
- N55 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: Asia including Middle East
- N56 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: Latin America; Caribbean
- N57 Economic History: Agriculture, Natural Resources, Environment, and Extractive Industries: Africa; Oceania
- N60 Economic History: Manufacturing and Construction: General, International, or Comparative
- N61 Economic History: Manufacturing and Construction: U.S.; Canada: Pre-1913
- N62 Economic History: Manufacturing and Construction: U.S.; Canada: 1913-
- N63 Economic History: Manufacturing and Construction: Europe: Pre-1913
- N64 Economic History: Manufacturing and Construction: Europe: 1913-
- N65 Economic History: Manufacturing and Construction: Asia including Middle East
- N66 Economic History: Manufacturing and Construction: Latin America;
- N67 Economic History: Manufacturing and Construction: Africa; Oceania
- N70 Economic History: Transport, International and Domestic Trade, Energy, Technology, and Other Services: General, International, or Comparative

- N71 Economic History: Transport, Trade, Energy, Technology, and Other Services: U.S.; Canada: Pre-1913
- N72 Economic History: Transport, Trade, Energy, Technology, and Other Services: U.S.; Canada: 1913-
- N73 Economic History: Transport, Trade, Energy, Technology, and Other Services: Europe: Pre-1913
- N74 Economic History: Transport, Trade, Energy, Technology, and Other Services: Europe: 1913-
- N75 Economic History: Transport, Trade, Energy, Technology, and Other Services: Asia including Middle East
- N76 Economic History: Transport, Trade, Energy, Technology, and Other Services: Latin America; Caribbean
- N77 Economic History: Transport, Trade, Energy, Technology, and Other Services: Africa; Oceania
- N80 Micro-Business History: General, International, or Comparative
- N81 Micro-Business History: U.S.; Canada: Pre-1913
- N82 Micro-Business History: U.S.; Canada: 1913-
- N83 Micro-Business History: Europe: Pre-1913
- N84 Micro-Business History: Europe: 1913-
- N85 Micro-Business History: Asia including Middle East
- N86 Micro-Business History: Latin America; Caribbean
- N87 Micro-Business History: Africa; Oceania
- N90 Regional and Urban History: General
- N91 Regional and Urban History: U.S.; Canada: Pre-1913
- N92 Regional and Urban History: U.S.; Canada: 1913-
- N93 Regional and Urban History: Europe: Pre-1913
- N94 Regional and Urban History: Europe: 1913-
- N95 Regional and Urban History: Asia including Middle East
- N96 Regional and Urban History: Latin America; Caribbean
- N97 Regional and Urban History: Africa; Oceania
- O00 Economic Development, Innovation, Technological Change, and Growth
- O10 Economic Development: General

| ). 26.   | American Economic Association: JEL Codes  |  |  |  |
|--|---|--|--|--|
| 011  | 1 Macroeconomic Analyses of Economic Development  |  |  |  |
| 012  | 2 Microeconomic Analyses of Economic Development  |  |  |  |
| O13  | 3 Economic Development: Agriculture; Natural Resources; Energy;<br>Environment; Other Primary Products    |  |  |  |
| 014  | 14 Industrialization; Manufacturing and Service Industries; Choice of Technology                          |  |  |  |
| O15  | 5 Economic Development: Human Resources; Human Development; Income Distribution; Migration                |  |  |  |
| O16  | O16 Economic Development: Financial Markets; Saving and Capital Investme Corporate Finance and Governance |  |  |  |
| 017  | Formal and Informal Sectors; Shadow Economy; Institutional Arrangements                                   |  |  |  |
| O18 Economic Development: Urban, Rural, Regional, and Transportation And Housing; Infrastructure |   |  |  |  |
| 019  | International Linkages to Development; Role of International Organizations                                |  |  |  |
| O20  | Development Planning and Policy: General  |  |  |  |
| O21  | Planning Models; Planning Policy  |  |  |  |
| O22  | Project Analysis  |  |  |  |
| O23  | Fiscal and Monetary Policy in Development   |  |  |  |
| O24  | Development Planning and Policy: Trade Policy; Factor Movement; Foreign Exchange Policy                   |  |  |  |
| O25  | Industrial Policy   |  |  |  |
| O29  | Development Planning and Policy: Other  |  |  |  |
| O30  | Innovation; Research and Development; Technological Change; Intellectual Property Rights: General         |  |  |  |
| O31  | Innovation and Invention: Processes and Incentives  |  |  |  |
| O32  | Management of Technological Innovation and R&D  |  |  |  |
| O33  | Technological Change: Choices and Consequences; Diffusion Processes                                       |  |  |  |
| O34  | Intellectual Property and Intellectual Capital  |  |  |  |
| O35  | Social Innovation   |  |  |  |

Technological Change: Other

O38

039

Technological Change: Government Policy

O40 Economic Growth and Aggregate Productivity: General

| 041 | One, Two, and Multisector Growth Models  |
|-----|--|
| 042 | Monetary Growth Models   |
| O43 | Institutions and Growth  |
| O44 | Environment and Growth   |
| O47 | Empirical Studies of Economic Growth; Aggregate Productivity; Cross-Country Output Convergence |
| O49 | Economic Growth and Aggregate Productivity: Other  |
| O50 | Economywide Country Studies: General   |
| 051 | Economywide Country Studies: U.S.; Canada  |
| O52 | Economywide Country Studies: Europe  |
| O53 | Economywide Country Studies: Asia including Middle East  |
| 054 | Economywide Country Studies: Latin America; Caribbean  |
| O55 | Economywide Country Studies: Africa  |
| 056 | Economywide Country Studies: Oceania   |
| O57 | Comparative Studies of Countries   |
|     |  |
| P00 | Economic Systems: General  |
| P10 | Capitalist Systems: General  |
| P11 | Capitalist Systems: Planning, Coordination, and Reform   |
| P12 | Capitalist Enterprises   |
| P13 | Cooperative Enterprises  |
| P14 | Capitalist Systems: Property Rights  |
| P16 | Capitalist Systems: Political Economy  |
| P17 | Capitalist Systems: Performance and Prospects  |
| P18 | Energy; Environment  |
| P19 | Capitalist Systems: Other  |
| P20 | Socialist Systems and Transitional Economies: General  |
| P21 | Socialist Systems and Transitional Economies: Planning, Coordination, and Reform               |
| P22 | Socialist Systems and Transitional Economies: Prices   |
| P23 | Socialist Systems and Transitional Economies: Factor and Product Markets;                      |

| Industry Studies; Population | n |
|------------------------------|---|
|------------------------------|---|

- P24 Socialist Systems and Transitional Economies: National Income, Product, and Expenditure; Money; Inflation
- P25 Socialist Systems and Transitional Economies: Urban, Rural, and Regional Economics
- P26 Socialist Systems and Transitional Economies: Political Economy; Property Rights
- P27 Socialist Systems and Transitional Economies: Performance and Prospects
- P28 Socialist Systems and Transitional Economies: Natural Resources; Energy; Environment
- P29 Socialist Systems and Transitional Economies: Other
- P30 Socialist Institutions and Their Transitions: General
- P31 Socialist Enterprises and Their Transitions
- P32 Collectives; Communes; Agriculture
- P33 Socialist Institutions and Their Transitions: International Trade, Finance, Investment, Relations, and Aid
- P34 Socialist Institutions and Their Transitions: Financial Economics
- P35 Socialist Institutions and Their Transitions: Public Economics
- P36 Socialist Institutions and Their Transitions: Consumer Economics; Health; Education and Training: Welfare, Income, Wealth, and Poverty
- P37 Socialist Systems and Transitional Economies: Legal Institutions; Illegal Behavior
- P39 Socialist Institutions and Their Transitions: Other
- P40 Other Economic Systems: General
- P41 Other Economic Systems: Planning, Coordination, and Reform
- P42 Other Economic Systems: Productive Enterprises; Factor and Product Markets; Prices; Population
- P43 Other Economic Systems: Public Economics; Financial Economics
- P44 Other Economic Systems: National Income, Product, and Expenditure; Money; Inflation
- P45 Other Economic Systems: International Trade, Finance, Investment and Aid
- P46 Other Economic Systems: Consumer Economics; Health; Education and Training; Welfare, Income, Wealth, and Poverty
- P47 Other Economic Systems: Performance and Prospects

| P48 | Other Economic Systems: Political Economy; Legal Institutions; Property Rights; Natural Resources; Energy; Environment; Regional Studies |  |  |  |
|-----|--|--|--|--|
| P49 | Other Economic Systems: Other  |  |  |  |
| P50 | Comparative Economic Systems: General  |  |  |  |
| P51 | Comparative Analysis of Economic Systems   |  |  |  |
| P52 | Comparative Studies of Particular Economies  |  |  |  |
| P59 | O Comparative Economic Systems: Other  |  |  |  |
|     |  |  |  |  |
| Q00 | Agricultural and Natural Resource Economics; Environmental and Ecological Economics: General   |  |  |  |
| Q01 | Sustainable Development  |  |  |  |
| Q02 | 2 Commodity Markets  |  |  |  |
| Q10 | Agriculture: General   |  |  |  |
| Q11 | Agriculture: Aggregate Supply and Demand Analysis; Prices  |  |  |  |
| Q12 | Micro Analysis of Farm Firms, Farm Households, and Farm Input Markets  |  |  |  |
| Q13 | Agricultural Markets and Marketing; Cooperatives; Agribusiness   |  |  |  |
| Q14 | Agricultural Finance   |  |  |  |
| Q15 | 5 Land Ownership and Tenure; Land Reform; Land Use; Irrigation; Agriculture and Environment  |  |  |  |
| Q16 | 6 Agricultural R&D Agricultural Technology; Biofuels; Agricultural Extension<br>Services   |  |  |  |
| Q17 | Agriculture in International Trade   |  |  |  |
| Q18 | Agricultural Policy; Food Policy   |  |  |  |
| Q19 | Agriculture: Other   |  |  |  |
| Q20 | Renewable Resources and Conservation: General  |  |  |  |
| Q21 | Renewable Resources and Conservation: Demand and Supply; Prices  |  |  |  |
| Q22 | Renewable Resources and Conservation: Fishery; Aquaculture   |  |  |  |
| Q23 | Renewable Resources and Conservation: Forestry   |  |  |  |
| Q24 | Renewable Resources and Conservation: Land   |  |  |  |
| Q25 | Renewable Resources and Conservation: Water  |  |  |  |
| Q26 | Recreational Aspects of Natural Resources  |  |  |  |

| . 26. | American Economic Association: JEL Codes   |  |  |  |
|-------|--|--|--|--|
| Q27   | Renewable Resources and Conservation: Issues in International Trade              |  |  |  |
| Q28   | Renewable Resources and Conservation: Government Policy                          |  |  |  |
| Q29   | Renewable Resources and Conservation: Other                                      |  |  |  |
| Q30   | Nonrenewable Resources and Conservation: General                                 |  |  |  |
| Q31   | Nonrenewable Resources and Conservation: Demand and Supply; Prices               |  |  |  |
| Q32   | Exhaustible Resources and Economic Development                                   |  |  |  |
| Q33   | Resource Booms   |  |  |  |
| Q34   | Natural Resources and Domestic and International Conflicts                       |  |  |  |
| Q35   | Hydrocarbon Resources  |  |  |  |
| Q37   | Nonrenewable Resources and Conservation: Issues in International Trade           |  |  |  |
| Q38   | Nonrenewable Resources and Conservation: Government Policy                       |  |  |  |
| Q39   | 9 Nonrenewable Resources and Conservation: Other                                 |  |  |  |
| Q40   | Energy: General  |  |  |  |
| Q41   | Energy: Demand and Supply; Prices  |  |  |  |
| Q42   | Alternative Energy Sources   |  |  |  |
| Q43   | Energy and the Macroeconomy  |  |  |  |
| Q47   | Energy Forecasting   |  |  |  |
| Q48   | Energy: Government Policy  |  |  |  |
| Q49   | Energy: Other  |  |  |  |
| Q50   | Environmental Economics: General   |  |  |  |
| Q51   | Valuation of Environmental Effects   |  |  |  |
| Q52   | Pollution Control Adoption and Costs; Distributional Effects; Employment Effects |  |  |  |
| Q53   | Air Pollution; Water Pollution; Noise; Hazardous Waste; Solid Waste; Recycling   |  |  |  |
| Q54   | Climate; Natural Disasters and Their Management; Global Warming                  |  |  |  |
| Q55   | Environmental Economics: Technological Innovation                                |  |  |  |
| 0 = 6 |  |  |  |  |

- Q56 Environment and Development; Environment and Trade; Sustainability; Environmental Accounts and Accounting; Environmental Equity; Population Growth
- Q57 Ecological Economics: Ecosystem Services; Biodiversity Conservation; Bioeconomics; Industrial Ecology
- Q58 Environmental Economics: Government Policy

| O59 Environmental E | conomics: | Otner |
|---------------------|-----------|-------|
|---------------------|-----------|-------|

- R00 Urban, Rural, Regional, Real Estate, and Transportation Economics: General
- R10 General Regional Economics (includes Regional Data)
- R11 Regional Economic Activity: Growth, Development, Environmental Issues, and Changes
- R12 Size and Spatial Distributions of Regional Economic Activity
- R13 General Equilibrium and Welfare Economic Analysis of Regional Economies
- R14 Land Use Patterns
- R15 General Regional Economics: Econometric and Input-Output Models; Other Models
- R19 General Regional Economics: Other
- R20 Urban, Rural, Regional, Real Estate, and Transportation Economics: Household Analysis: General
- R21 Urban, Rural, Regional, Real Estate, and Transportation Economics: Housing Demand
- R22 Urban, Rural, Regional, Real Estate, and Transportation Economics: Other Demand
- R23 Urban, Rural, Regional, Real Estate, and Transportation Economics: Regional Migration; Regional Labor Markets; Population; Neighborhood Characteristics
- R28 Urban, Rural, Regional, Real Estate, and Transportation Economics: Government Policy
- R29 Urban, Rural, Regional, Real Estate, and Transportation Economics: Household Analysis: Other
- R30 Real Estate Markets, Spatial Production Analysis, and Firm Location: General
- R31 Housing Supply and Markets
- R32 Other Spatial Production and Pricing Analysis
- R33 Nonagricultural and Nonresidential Real Estate Markets
- R38 Production Analysis and Firm Location: Government Policy
- R39 Real Estate Markets, Spatial Production Analysis, and Firm Location: Other
- R40 Transportation Economics: General
- R41 Transportation: Demand, Supply, and Congestion; Travel Time; Safety and Accidents; Transportation Noise

| R42                                     |  |  |  |
|---|--|--|--|
| R48                                     | Transportation Economics: Government Pricing and Policy                  |  |  |
| R49                                     | 9 Transportation Economics: Other  |  |  |
| R50                                     |  |  |  |
| R51                                     | Finance in Urban and Rural Economies                                     |  |  |
| R52                                     | Regional Government Analysis: Land Use and Other Regulations             |  |  |
| R53                                     |  |  |  |
| R58                                     | Regional Development Planning and Policy                                 |  |  |
| R59 Regional Government Analysis: Other |  |  |  |
|   |  |  |  |
| Y10                                     | Data: Tables and Charts  |  |  |
| Y20                                     | Introductory Material  |  |  |
| Y30                                     | 80 Book Reviews (unclassified)   |  |  |
| Y40                                     | 0 Dissertations (unclassified)   |  |  |
| Y50                                     | 0 Further Reading (unclassified)   |  |  |
| Y60                                     | Excerpt  |  |  |
| Y70                                     | No Author General Discussions  |  |  |
| Y80                                     | Related Disciplines  |  |  |
| Y90                                     | Miscellaneous Categories: Other  |  |  |
| Y91                                     | Pictures and Maps  |  |  |
| Y92                                     | Novels, Self-Help Books, etc.  |  |  |
|   |  |  |  |
| Z00                                     | Other Special Topics: General  |  |  |
| Z10                                     | Cultural Economics; Economic Sociology; Economic Anthropology: General   |  |  |
| Z11                                     | Cultural Economics: Economics of the Arts and Literature                 |  |  |
| Z12                                     | Cultural Economics: Religion   |  |  |
| Z13                                     | Economic Sociology; Economic Anthropology; Language; Social and Economic |  |  |

Z19 Cultural Economics: Other

Z18 Cultural Economics: Public Policy

Stratification<sup>†</sup>

| Z20 | Sports | <b>Economics:</b> | General |
|-----|--------|-------------------|---------|
|-----|--------|-------------------|---------|

Z21 Sports Economics: Industry Studies

Z22 Sports Economics: Labor Issues

Z23 Sports Economics: Finance

Z28 Sports Economics: Policy

Z29 Sports Economics: Other

Z30 Tourism Economics: General

Z31 Tourism: Industry Studies

Z32 Tourism and Development

Z33 Tourism: Marketing and Finance

Z38 Tourism: Policy

Z39 Tourism: Other

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