Journal of Economic Literature (JEL) Classification System
(Updated 11/2011)

Subject Categories

A - General Economics and Teaching
B - History of Economic Thought, Methodology, and Heterodox Approaches
C - Mathematical and Quantitative Methods
D - Microeconomics
E - Macroeconomics and Monetary Economics
F - International Economics
G - Financial Economics
H - Public Economics
I - Health, Education, and Welfare
J - Labor and Demographic Economics
K - Law and Economics
L - Industrial Organization
M - Business Administration and Business Economics; Marketing; Accounting
N - Economic History
O - Economic Development, Technological Change, and Growth
P - Economic Systems
Q - Agricultural and Natural Resource Economics; Environmental and Ecological Economics
R - Urban, Rural, and Regional Economics
Y - Miscellaneous Categories
Z - Other Special Topics

Full List of Classifications

A - General Economics and Teaching
   A1 - General Economics
      A10 - 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 - Other

   A2 - Economic Education and Teaching of Economics
      A20 - General
      A21 - Pre-college
      A22 - Undergraduate
      A23 - Graduate
      A29 - Other

   A3 - Collective Works
      A30 - General
      A31 - Collected Writings of Individuals
      A32 - Volumes
      A33 - Handbooks
      A39 - Other
B - History of Economic Thought, Methodology, and Heterodox Approaches
   B0 - General
      B00 - General
   B1 - History of Economic Thought through 1925
      B10 - General
      B11 - Pred classical (Ancient, Medieval, Mercantilist, Physiocratic)
      B12 - Classical
      B13 - Neoclassical through 1925 (Austrian, Marshallian, Walrasian, Stockholm School)
      B14 - Socialist; Marxist
      B15 - Historical; Institutional; Evolutionary
      B16 - History of Economic Thought: Quantitative and Mathematical
      B19 - Other
   B2 - History of Economic Thought since 1925
      B20 - General
      B21 - Microeconomics
      B22 - Macroeconomics
      B23 - History of Economic Thought: Econometrics; Quantitative and Mathematical Studies
      B24 - Socialist; Marxist; Sraffian
      B25 - Historical; Institutional; Evolutionary; Austrian
      B26 - Financial Economics
      B29 - Other
   B3 - History of Economic Thought: Individuals
      B30 - General
      B31 - Individuals
      B32 - Obituaries
   B4 - Economic Methodology
      B40 - General
      B41 - Economic Methodology
      B49 - Other
   B5 - Current Heterodox Approaches
      B50 - General
      B51 - Socialist; Marxian; Sraffian
      B52 - Institutional; Evolutionary
      B53 - Austrian
      B54 - Feminist Economics
      B59 - Other

C - Mathematical and Quantitative Methods
   C0 - General
      C00 - General
      C01 - Econometrics
      C02 - Mathematical Methods
   C1 - Econometric and Statistical Methods and Methodology: General
      C10 - 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 - Other

C2 - Single Equation Models; Single Variables
   C20 - General
      C21 - Cross-Sectional Models; Spatial Models; Treatment Effect Models; Quantile Regressions
      C22 - Time-Series Models; Dynamic Quantile Regressions; Dynamic Treatment Effect Models (Updated!)
      C23 - Models with Panel Data; Longitudinal Data; Spatial Time Series
      C24 - Truncated and Censored Models; Switching Regression Models
      C25 - Discrete Regression and Qualitative Choice Models; Discrete Regressors; Proportions
      C26 - Instrumental Variables (IV) Estimation
      C29 - Other

C3 - Multiple or Simultaneous Equation Models; Multiple Variables
   C30 - General
      C31 - Cross-Sectional Models; Spatial Models; Treatment Effect Models; Quantile Regressions; Social Interaction Models
      C32 - Time-Series Models; Dynamic Quantile Regressions; Dynamic Treatment Effect Models (Updated!)
      C33 - Models with Panel Data; Longitudinal Data; Spatial Time Series
      C34 - Truncated and Censored Models; Switching Regression Models
      C35 - Discrete Regression and Qualitative Choice Models; Discrete Regressors; Proportions
      C36 - Instrumental Variables (IV) Estimation
      C38 - Classification Methods; Cluster Analysis; Factor Models
      C39 - Other

C4 - Econometric and Statistical Methods: Special Topics
   C40 - General
      C41 - Duration Analysis; Optimal Timing Strategies
      C43 - Index Numbers and Aggregation
      C44 - Statistical Decision Theory; Operations Research
      C45 - Neural Networks and Related Topics
      C46 - Specific Distributions; Specific Statistics
      C49 - Other

C5 - Econometric Modeling
   C50 - General
      C51 - Model Construction and Estimation
      C52 - Model Evaluation, Validation, and Selection
      C53 - Forecasting Models; Simulation Methods
      C54 - Quantitative Policy Modeling
      C58 - Financial Econometrics
      C59 - Other

C6 - Mathematical Methods; Programming Models; Mathematical and Simulation Modeling
C60 - 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 - Other

C7 - Game Theory and Bargaining Theory
C70 - General
C71 - Cooperative Games
C72 - Noncooperative Games
C73 - Stochastic and Dynamic Games; Evolutionary Games; Repeated Games
C78 - Bargaining Theory; Matching Theory
C79 - Other

C8 - Data Collection and Data Estimation Methodology; Computer Programs
C80 - General
C81 - Methodology for Collecting, Estimating, and Organizing Microeconomic Data; Data Analysis
C82 - Methodology for Collecting, Estimating, and Organizing Macroeconomic Data; Data Analysis
C83 - Survey Methods; Sampling Methods
C87 - Econometric Software
C88 - Other Computer Software
C89 - Other

C9 - Design of Experiments
C90 - General
C91 - Laboratory, Individual Behavior
C92 - Laboratory, Group Behavior
C93 - Field Experiments
C99 - Other

D - Microeconomics
D0 - General
D00 - General
D01 - Microeconomic Behavior: Underlying Principles
D02 - Institutions: Design, Formation, and Operations
D03 - Behavioral Economics; Underlying Principles
D04 - Microeconomic Policy: Formulation; Implementation; Evaluation

D1 - Household Behavior and Family Economics
D10 - General
D11 - Consumer Economics: Theory
D12 - Consumer Economics: Empirical Analysis
D13 - Household Production and Intrahousehold Allocation
D14 - Personal Finance
D18 - Consumer Protection
D19 - Other
D2 - Production and Organizations
   D20 - General
   D21 - Firm Behavior: Theory
   D22 - Firm Behavior: Empirical Analysis
   D23 - Organizational Behavior; Transaction Costs; Property Rights
   D24 - Production; Cost; Capital, Total Factor, and Multifactor Productivity; Capacity
   D29 - Other

D3 - Distribution
   D30 - General
   D31 - Personal Income, Wealth, and Their Distributions
   D33 - Factor Income Distribution
   D39 - Other

D4 - Market Structure and Pricing
   D40 - General
   D41 - Perfect Competition
   D42 - Monopoly
   D43 - Oligopoly and Other Forms of Market Imperfection
   D44 - Auctions
   D45 - Rationing; Licensing
   D46 - Value Theory
   D49 - Other

D5 - General Equilibrium and Disequilibrium
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   D51 - Exchange and Production Economies
   D52 - Incomplete Markets
   D53 - Financial Markets
   D57 - Input–Output Tables and Analysis
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   D61 - Allocative Efficiency; Cost–Benefit Analysis
   D62 - Externalities
   D63 - Equity, Justice, Inequality, and Other Normative Criteria and Measurement
   D64 - Altruism
   D69 - Other

D7 - Analysis of Collective Decision-Making
   D70 - 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
   D78 - Positive Analysis of Policy-Making and Implementation
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D8 - Information, Knowledge, and Uncertainty
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**E - Macroeconomics and Monetary Economics**

**E0 - General**

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**E1 - General Aggregative Models**

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**E2 - Macroeconomics: Consumption, Saving, Production, Employment, and Investment**

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**E3 - Prices, Business Fluctuations, and Cycles**

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**E4 - Money and Interest Rates**

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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 - Forecasting and Simulation: Models and Applications
E49 - Other

E5 - Monetary Policy, Central Banking, and the Supply of Money and Credit
E50 - General
E51 - Money Supply; Credit; Money Multipliers
E52 - Monetary Policy
E58 - Central Banks and Their Policies
E59 - Other

E6 - Macroeconomic Policy, Macroeconomic Aspects of Public Finance, and General Outlook
E60 - 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 - Other

F - International Economics
F0 - General
F00 - General
F01 - Global Outlook
F02 - International Economic Order

F1 - Trade
F10 - General
F11 - Neoclassical Models of Trade
F12 - Models of Trade with Imperfect Competition and Scale Economies
F13 - Trade Policy; International Trade Organizations
F14 - Country and Industry Studies of Trade
F15 - Economic Integration
F16 - Trade and Labor Market Interactions
F17 - Trade Forecasting and Simulation
F18 - Trade and Environment
F19 - Other

F2 - International Factor Movements and International Business
F20 - General
F21 - International Investment; Long-Term Capital Movements
F22 - International Migration
F23 - Multinational Firms; International Business
F24 - Remittances
F29 - Other

F3 - International Finance
F30 - 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
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F4 - Macroeconomic Aspects of International Trade and Finance
F40 - General
F41 - Open Economy Macroeconomics
F42 - International Policy Coordination and Transmission
F43 - Economic Growth of Open Economies
F44 - International Business Cycles
F47 - Forecasting and Simulation: Models and Applications
F49 - Other

F5 - International Relations and International Political Economy
F50 - 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

G - Financial Economics
G0 - General
G00 - General
G01 - Financial Crises
G02 - Behavioral Finance: Underlying Principles (Updated!)

G1 - General Financial Markets
G10 - General
G11 - Portfolio Choice; Investment Decisions
G12 - Asset Pricing; Trading volume; Bond Interest Rates
G13 - Contingent Pricing; Futures Pricing
G14 - Information and Market Efficiency; Event Studies
G15 - International Financial Markets
G17 - Financial Forecasting and Simulation
G18 - Government Policy and Regulation
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G2 - Financial Institutions and Services
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G21 - Banks; Other Depository Institutions; Micro Finance Institutions; Mortgages
G22 - Insurance; Insurance Companies
G23 - Pension Funds; Other Private Financial Institutions
G24 - Investment Banking; Venture Capital; Brokerage; Ratings and Ratings Agencies
G28 - Government Policy and Regulation
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G3 - Corporate Finance and Governance
G30 - 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 (Updated!)
G33 - Bankruptcy; Liquidation
G34 - Mergers; Acquisitions; Restructuring; Corporate Governance
G35 - Payout Policy
G38 - Government Policy and Regulation
G39 - Other

H - Public Economics
H0 - General
H00 - General

H1 - Structure and Scope of Government
H10 - General
H11 - Structure, Scope, and Performance of Government
H12 - Crisis Management
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H2 - Taxation, Subsidies, and Revenue
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H21 - Efficiency; Optimal Taxation
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H23 - Externalities; Redistributive Effects; Environmental Taxes and Subsidies
H24 - Personal Income and Other Nonbusiness Taxes and Subsidies
H25 - Business Taxes and Subsidies
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H3 - Fiscal Policies and Behavior of Economic Agents
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H4 - Publicly Provided Goods
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H42 - Publicly Provided Private Goods
H43 - Project Evaluation; Social Discount Rate
H44 - Publicly Provided Goods: Mixed Markets
H49 - Other

H5 - National Government Expenditures and Related Policies
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H51 - Government Expenditures and Health
H52 - Government Expenditures and Education
H53 - Government Expenditures and Welfare Programs
H54 - Infrastructures; Other Public Investment and Capital Stock
H55 - Social Security and Public Pensions
H56 - National Security and War
H57 - Procurement
H59 - Other

H6 - National Budget, Deficit, and Debt
H60 - General
H61 - Budget; Budget Systems
H62 - Deficit; Surplus
H63 - Debt; Debt Management; Sovereign Debt
H68 - Forecasts of Budgets, Deficits, and Debt
H69 - Other

H7 - State and Local Government; Intergovernmental Relations
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H71 - State and Local Taxation, Subsidies, and Revenue
H72 - State and Local Budget and Expenditures
H73 - 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 - Other

H8 - Miscellaneous Issues
H80 - General
H81 - Governmental Loans, Loan Guarantees, Credits, and Grants
H82 - Governmental Property
H83 - Public Administration; Public Sector Accounting and Audits
H84 - Disaster Aid (Updated!)
H87 - International Fiscal Issues; International Public Goods
H89 - Other

I - Health, Education, and Welfare
I0 - General
I00 - General

I1 - Health
I10 - General
I11 - Analysis of Health Care Markets
I12 - Health Production
I13 - Health Insurance, Public and Private (Updated!)
I14 - Health and Inequality
I15 - Health and Economic Development
I18 - Government Policy; Regulation; Public Health
I19 - Other

I2 - Education and Research Institutions
I20 - General
I21 - Analysis of Education
I22 - Educational Finance
I23 - Higher Education and Research Institutions
I24 - Education and Inequality
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  L61 - Metals and Metal Products; Cement; Glass; Ceramics
  L62 - Automobiles; Other Transportation Equipment
  L63 - Microelectronics; Computers; Communications Equipment
  L64 - Other Machinery; Business Equipment; Armaments
  L65 - Chemicals; Rubber; Drugs; Biotechnology
  L66 - Food; Beverages; Cosmetics; Tobacco; Wine and Spirits
  L67 - Other Consumer Nondurables: Clothing, Textiles, Shoes, and Leather
  L68 - Appliances; Other Consumer Durables
L69 - Other

L7 - Industry Studies: Primary Products and Construction
L70 - General
  L71 - Mining, Extraction, and Refining: Hydrocarbon Fuels
  L72 - Mining, Extraction, and Refining: Other Nonrenewable Resources
  L73 - Forest Products
  L74 - Construction
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L8 - Industry Studies: Services
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  L81 - Retail and Wholesale Trade; e-Commerce
  L82 - Entertainment; Media
  L83 - Sports; Gambling; Recreation; Tourism
  L84 - Personal, Professional, and Business Services
  L85 - Real Estate Services
  L86 - Information and Internet Services; Computer Software
  L87 - Postal and Delivery Services
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L9 - Industry Studies: Transportation and Utilities
L90 - General
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L94 - Electric Utilities
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L96 - Telecommunications
L97 - Utilities: General
L98 - Government Policy
L99 - Other

M - Business Administration and Business Economics; Marketing; Accounting
   M0 - General
      M00 - General

   M1 - Business Administration
      M10 - General
      M11 - Production Management
      M12 - Personnel Management; Executive Compensation
      M13 - New Firms; Startups
      M14 - Corporate Culture; Social Responsibility
      M15 - IT Management
      M16 - International Business Administration
      M19 - Other

   M2 - Business Economics
      M20 - General
      M21 - Business Economics
      M29 - Other

   M3 - Marketing and Advertising
      M30 - General
      M31 - Marketing
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      M38 - Government Policy and Regulation
      M39 - Other

   M4 - Accounting and Auditing
      M40 - General
      M41 - Accounting
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      M48 - Government Policy and Regulation
      M49 - Other

   M5 - Personnel Economics
      M50 - General
      M51 - Firm Employment Decisions; Promotions
      M52 - Compensation and Compensation Methods and Their Effects
      M53 - Training
      M54 - Labor Management
      M55 - Labor Contracting Devices
      M59 - Other

N - Economic History
N0 - General
  N00 - General
  N01 - Development of the Discipline: Historiographical; Sources and Methods

N1 - Macroeconomics and Monetary Economics; Growth and Fluctuations
  N10 - General, International, or Comparative
  N11 - U.S.; Canada: Pre-1913
  N12 - U.S.; Canada: 1913–
  N13 - Europe: Pre-1913
  N14 - Europe: 1913–
  N15 - Asia including Middle East
  N16 - Latin America; Caribbean
  N17 - Africa; Oceania

N2 - Financial Markets and Institutions
  N20 - General, International, or Comparative
  N21 - U.S.; Canada: Pre-1913
  N22 - U.S.; Canada: 1913–
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  N30 - General, International, or Comparative
  N31 - U.S.; Canada: Pre-1913
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  N35 - Asia including Middle East
  N36 - Latin America; Caribbean
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N4 - Government, War, Law, International Relations, and Regulation
  N40 - General, International, or Comparative
  N41 - U.S.; Canada: Pre-1913
  N42 - U.S.; Canada: 1913–
  N43 - Europe: Pre-1913
  N44 - Europe: 1913–
  N45 - Asia including Middle East
  N46 - Latin America; Caribbean
  N47 - Africa; Oceania

N5 - Agriculture, Natural Resources, Environment, and Extractive Industries
  N50 - General, International, or Comparative
  N51 - U.S.; Canada: Pre-1913
  N52 - U.S.; Canada: 1913–
  N53 - Europe: Pre-1913
  N54 - Europe: 1913–
  N55 - Asia including Middle East
  N56 - Latin America; Caribbean
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N6 - Manufacturing and Construction
   N60 - General, International, or Comparative
   N61 - U.S.; Canada: Pre-1913
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   N65 - Asia including Middle East
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N7 - Transport, Trade, Energy, Technology, and Other Services
   N70 - General, International, or Comparative
   N71 - U.S.; Canada: Pre-1913
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N8 - Micro-Business History
   N80 - General, International, or Comparative
   N81 - U.S.; Canada: Pre-1913
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N9 - Regional and Urban History
   N90 - General, International, or Comparative
   N91 - U.S.; Canada: Pre-1913
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   N94 - Europe: 1913–
   N95 - Asia including Middle East
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O - Economic Development, Technological Change, and Growth
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   O10 - General
   O11 - Macroeconomic Analyses of Economic Development
   O12 - Microeconomic Analyses of Economic Development
   O13 - Agriculture; Natural Resources; Energy; Environment; Other Primary Products
   O14 - Industrialization; Manufacturing and Service Industries; Choice of Technology
   O15 - Human Resources; Human Development; Income Distribution; Migration
   O16 - Economic Development: Financial Markets; Saving and Capital Investment; Corporate Finance and Governance
   O17 - Formal and Informal Sectors; Shadow Economy; Institutional Arrangements
O18 - Urban, Rural, Regional, and Transportation Analysis; housing; Infrastructure (Updated!)
O19 - International Linkages to Development; Role of International Organizations

O2 - Development Planning and Policy
O20 - General
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O22 - Project Analysis
O23 - Fiscal and Monetary Policy in Development
O24 - Trade Policy; Factor Movement Policy; Foreign Exchange Policy
O25 - Industrial Policy
O29 - Other

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O30 - General (Updated!)
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 Rights
O38 - Government Policy
O39 - Other

O4 - Economic Growth and Aggregate Productivity
O40 - General
O41 - One, Two, and Multisector Growth Models
O42 - Monetary Growth Models
O43 - Institutions and Growth
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O57 - Comparative Studies of Countries

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Q14 - Agricultural Finance
Q15 - Land Ownership and Tenure; Land Reform; Land Use; Irrigation; Agriculture and Environment
Q16 - R&D; Agricultural Technology; Biofuels; Agricultural Extension Services
Q17 - Agriculture in International Trade
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Q54 - Climate; Natural Disasters; Global Warming
Q55 - Technological Innovation
Q56 - Environment and Development; Environment and Trade; Sustainability; Environmental Accounts and Accounting; Environmental Equity; Population
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Q57 - Ecological Economics: Ecosystem Services; Biodiversity Conservation; Bioeconomics; Industrial Ecology
Q58 - Government Policy
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   R00 - General (Updated!)

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   R12 - Size and Spatial Distributions of Regional Economic Activity
   R13 - General Equilibrium and Welfare Economic Analysis of Regional Economies
   R14 - Land Use Patterns
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   R21 - Housing Demand (Updated!)
   R22 - Other Demand (Updated!)
   R23 - Regional Migration; Regional Labor Markets; Population; Neighborhood Characteristics (Updated!)
   R28 - Government Policy (Updated!)
   R29 - Other (Updated!)

R3 - Housing Markets, Production Analysis, and Firm Location
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   R33 - Nonagricultural and Nonresidential Real Estate Markets
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      Y10 - Data: Tables and Charts
  Y2 - Introductory Material
      Y20 - Introductory Material
  Y3 - Book Reviews (unclassified)
      Y30 - Book Reviews (unclassified)
  Y4 - Dissertations (unclassified)
      Y40 - Dissertations (unclassified)
  Y5 - Further Reading (unclassified)
      Y50 - Further Reading (unclassified)
  Y6 - Excerpts
      Y60 - Excerpts
  Y7 - No Author General Discussions
      Y70 - No Author General Discussions
  Y8 - Related Disciplines
      Y80 - Related Disciplines
  Y9 - Other
      Y90 - Other
      Y91 - Pictures and Maps

Z - Other Special Topics
  Z0 - General
      Z00 - General
  Z1 - Cultural Economics; Economic Sociology; Economic Anthropology
      Z10 - General
      Z11 - Economics of the Arts and Literature
      Z12 - Religion
      Z13 - Economic Sociology; Economic Anthropology; Social and Economic Stratification
      Z18 - Public Policy (Updated!)
      Z19 - Other