

Essentials Of Economics Hubbard Garnett Lewis Document

Essentials of Economics Hubbard Garnett Lewis is a comprehensive guide that provides students, educators, and enthusiasts with a clear understanding of fundamental economic principles. Authored by distinguished economists Hubbard, Garnett, and Lewis, this book emphasizes the core concepts of economics, making complex ideas accessible and engaging. Whether you are a beginner or looking to deepen your knowledge, understanding the essentials outlined in this resource is crucial for grasping how economies function at both micro and macro levels.

Introduction to the Essentials of Economics

The study of economics revolves around understanding how individuals, businesses, and governments make choices to allocate scarce resources. The essentials of economics Hubbard Garnett Lewis distill these complex interactions into digestible insights, emphasizing the importance of supply and demand, market structures, and economic policies. By focusing on these core areas, the book offers a foundational framework that supports further exploration into specialized economic topics.

Fundamental Concepts in Economics

Understanding the essentials starts with grasping basic economic principles that underpin all economic activity.

What is Economics?

Economics is the social science concerned with the production, distribution, and consumption of goods and services. It examines how individuals and societies choose to allocate limited resources to satisfy their unlimited wants.

The Scarcity and Choice Dilemma

- Scarcity: Resources such as land, labor, and capital are limited.
- Choice: Due to scarcity, choices must be made about how best to allocate resources.
- Opportunity Cost: The value of the next best alternative foregone when making a decision.

Supply and Demand Fundamentals

These are the pillars of market economies, influencing prices and quantities exchanged.

- Law of Demand: As the price of a good decreases, demand generally increases, and vice versa.
- Law of Supply: As the price of a good increases, the quantity supplied tends to increase.
- Equilibrium Price: The price at which the quantity demanded equals the quantity supplied.

Market Equilibrium and Efficiency

Market equilibrium ensures optimal allocation of resources, leading to economic efficiency where no individual can be made better off without making someone else worse off.

Microeconomics: The Study of Individual Markets

Microeconomics delves into the behaviors of individual agents like consumers, firms, and industries.

Consumer Behavior and Utility

Consumers aim to maximize utility?the satisfaction derived from goods and services?while considering their budget constraints.

- Law of Diminishing Marginal Utility: Each additional unit consumed provides less satisfaction than the previous one.
- Indifference Curves: Graphical representation of consumer preferences.

Production and Costs

Firms seek to produce goods efficiently to maximize profits.

- Production Functions: Relationship between inputs and outputs.
- Costs of Production: Fixed costs, variable costs, and total costs.
- Economies of Scale: Cost advantages gained with increased production.

Market Structures

Different market types influence pricing and competition.

- Perfect Competition: Many firms, identical products, free entry and exit.
- Monopoly: Single firm dominates the market.
- Oligopoly: Few firms control the market.
- Monopolistic Competition: Many firms offer differentiated products.

Macroeconomics: The Broader Economic Environment

Macroeconomics looks at the economy as a whole, analyzing aggregate indicators and government policies.

Economic Growth and Development

Understanding how economies expand over time through increases in productivity and capital accumulation.

Inflation and Deflation

The rise or fall in general price levels impacts purchasing power and economic stability.

- Causes of Inflation: Demand-pull and cost-push factors.
- Effects of Inflation: Erosion of savings, menu costs, and uncertainty.

Unemployment and Labor Markets

Analyzing the levels and causes of unemployment to formulate effective policies.

- Types: Frictional, structural, cyclical.
- Natural Rate of Unemployment: The normal rate given the structure of the labor market.

Fiscal and Monetary Policies

Tools used by governments and central banks to stabilize the economy.

- Fiscal Policy: Government spending and taxation.
- Monetary Policy: Control of the money supply and interest rates.

Economic Systems and Policies

The book emphasizes different economic systems and their approaches to resource allocation.

Capitalism

An economic system characterized by private ownership and free markets.

Socialism

An economy where resources are owned and controlled by the state or the community.

Mixed Economies

Systems combining elements of capitalism and socialism to balance efficiency and equality.

Role of Government in Economics

Governments intervene in markets to correct failures, promote welfare, and ensure fair competition.

International Economics and Global Markets

Globalization has increased the importance of international trade and finance.

Trade Theories

Understanding comparative advantage and gains from trade.

Trade Policies and Barriers

Tariffs, quotas, and trade agreements influence international commerce.

Currency Exchange and Balance of Payments

Mechanisms for international transactions and their effects on economies.

Applying the Essentials: Practical Insights from Hubbard Garnett Lewis

The book not only covers theoretical concepts but also emphasizes practical applications.

Economic Decision-Making

- How individuals and firms make choices based on incentives and constraints.
- The importance of marginal analysis in decision-making.

Understanding Economic Indicators

- GDP, CPI, unemployment rate, and other metrics to assess economic health.
- How policymakers interpret these indicators to shape policies.

Contemporary Economic Issues

- Income inequality, environmental sustainability, technological change, and their impacts on economic policies.

Conclusion: Mastering the Essentials of Economics

The essentials of economics Hubbard Garnett Lewis serve as an invaluable resource for anyone seeking to understand the fundamental principles that govern economic activity. By focusing on core concepts like scarcity, supply and demand, market structures, and macroeconomic policies, the book provides a solid foundation for analyzing real-world economic issues. Whether you're a student preparing for exams, an aspiring economist, or a curious reader interested in how economies operate, grasping these essentials will enable you to interpret economic news, participate in informed discussions, and make better personal and professional decisions.

In summary, mastering the essentials of economics as outlined by Hubbard, Garnett, and Lewis equips you with the analytical tools necessary to navigate an increasingly complex global economy. From micro-level market behaviors to macroeconomic policies shaping nations, these core ideas form the backbone of economic literacy, empowering you to understand and engage with the economic challenges and opportunities of the modern world.

Essentials of Economics Hubbard Garnett Lewis: A Comprehensive Review

Economics, often described as the science of scarcity and choice, has evolved through various theories, models, and frameworks over centuries. Among the influential texts that have significantly shaped economic thought and education is Essentials of Economics by Hubbard, Garnett, and Lewis. This seminal work offers an accessible yet thorough introduction to foundational economic principles, making it a staple for students, educators, and practitioners alike. This review delves into the core components of the book, exploring its thematic structure, pedagogical approach, critical strengths, and areas for improvement.

Introduction to Essentials of Economics

The book, first published in the late 20th century, aims to distill complex economic concepts into digestible content without sacrificing analytical rigor. Its authors—Hubbard, Garnett, and Lewis—bring together academic expertise with practical insights, bridging theory and real-world application. The text is designed to serve as a standalone resource or supplementary guide in introductory economics courses, emphasizing clarity, relevance, and engagement.

The central thesis of Essentials of Economics revolves around understanding how individuals, firms, and governments make decisions in the face of scarcity, and how these decisions interact within markets to determine prices, outputs, and resource allocations. The book is structured to progressively build from basic principles to more complex topics, ensuring a logical learning curve.

Core Themes and Content Breakdown

Basic Economic Principles

The opening chapters establish the foundational concepts necessary for grasping economic analysis:

- Scarcity and Choice: Explains the fundamental economic problem—resources are limited, but human wants are unlimited—and introduces opportunity cost as a key concept.
- Supply and Demand: Details the mechanics of markets, illustrating how prices are determined through the interaction of buyers and sellers.
- Market Equilibrium: Discusses the conditions under which markets clear and the implications of shifts in supply and demand.

Economic Systems and Structures

The authors explore various economic systems, including:

- Market Economies: Emphasizing laissez-faire principles and the role of competitive markets.
- Command Economies: Analyzing centrally planned systems.
- Mixed Economies: Highlighting the blending of market and government interventions.

This section underscores the diversity of economic arrangements worldwide and their relative efficiencies and challenges.

Microeconomic Foundations

Focusing on individual decision-making units, the microeconomic sections cover:

- Consumer Behavior: Utility theory, budget constraints, and consumer choice.
- Firm Theory: Production functions, costs, and profit maximization.
- Market Structures: Perfect competition, monopolistic competition, oligopoly, and monopoly?each with their characteristics, advantages, and pitfalls.

Macroeconomic Perspectives

Transitioning to the broader economy, the book examines:

- National Income and Output: Measurement techniques like GDP and GNP.
- Unemployment and Inflation: Causes, types, and policy responses.
- Fiscal and Monetary Policy: Tools used by governments and central banks to stabilize and stimulate economic activity.
- International Economics: Trade theories, exchange rates, and globalization impacts.

Pedagogical Approach and Teaching Aids

Essentials of Economics distinguishes itself through its student-friendly approach, characterized by:

- Clear Language and Definitions: Avoiding jargon-heavy explanations, making complex ideas accessible.
- Real-World Examples: Incorporating current events and contemporary issues to contextualize theories.
- Visual Aids: Charts, graphs, and tables effectively illustrate economic relationships and trends.
- End-of-Chapter Summaries and Questions: Facilitating review and comprehension.
- Case Studies: Providing in-depth analysis of specific economic phenomena, such as inflation episodes or trade wars.

This approach fosters active learning and promotes critical thinking about economic issues.

Critical Evaluation of Essentials of Economics

Strengths

- Comprehensive Coverage: The book spans microeconomic and macroeconomic topics,

providing a holistic view.

- Clarity and Accessibility: Its straightforward language makes it suitable for beginners.
- Relevance: Frequent incorporation of contemporary issues enhances engagement.
- Balanced Perspective: It presents multiple viewpoints, encouraging critical analysis rather than dogmatic adherence to a single school of thought.
- Supplementary Resources: Ancillary materials, including instructor guides and online content, support teaching and self-study.

Limitations and Criticisms

- Depth of Theoretical Content: While excellent for introductions, some advanced topics are simplified, which might limit depth for more experienced readers.
- Bias Toward Neoclassical Economics: Critics argue that the book predominantly reflects mainstream economic paradigms, with limited exploration of heterodox theories such as behavioral economics, institutional economics, or ecological economics.
- Limited Focus on Contemporary Issues: Although recent editions include some updates, certain emerging topics like digital currencies, climate change economics, or inequality are underrepresented.
- Assumption of Rationality: The model largely assumes rational decision-making, which has been challenged by behavioral insights.

Impact and Relevance in Economic Education

Essentials of Economics has played a significant role in shaping undergraduate economics curricula worldwide. Its approachable style and comprehensive scope have made it a go-to textbook for introductory courses. Many educators praise its ability to simplify complex ideas without oversimplifying critical nuances.

Furthermore, the book's emphasis on real-world applications aligns with modern pedagogical trends that favor experiential learning. Its case studies and current event analyses help students connect theory with practice, fostering a more profound understanding of economic dynamics.

In terms of impact, the book has contributed to:

- Increasing economic literacy among non-specialists.
- Providing a solid foundation for further study in economics and related fields.
- Equipping policymakers and business leaders with accessible economic insights.

Future Directions and Recommendations

While Essentials of Economics remains a valuable resource, ongoing developments in the global economy necessitate continuous updates. Recommendations for future editions include:

- Integrating discussions on digital economies, cryptocurrencies, and blockchain technologies.
- Addressing contemporary challenges like climate change, sustainability, and income inequality.
- Incorporating behavioral economics to challenge the rational agent assumption.
- Expanding coverage of economic development and emerging economies.

Additionally, fostering interdisciplinary approaches?integrating sociology, political science, and environmental studies?can enrich understanding and reflect the interconnected nature of modern economic issues.

Conclusion

Essentials of Economics by Hubbard, Garnett, and Lewis stands as a foundational text that effectively balances clarity, breadth, and pedagogical effectiveness. Its focus on core principles, supplemented by real-world examples and visual aids, makes it particularly suitable for newcomers to economics. While it faces criticisms regarding depth and scope of emerging issues, its contribution to economic education remains substantial.

For students, educators, and practitioners seeking a reliable introduction to economic fundamentals, this book offers a compelling blend of accessibility and comprehensiveness. As the economic landscape continues to evolve, ongoing revisions and integrations of new topics will ensure that Essentials of Economics remains a relevant and vital resource in the field.

Disclaimer: This review synthesizes knowledge about Essentials of Economics and its significance in economic education based on available data up to October 2023. For specific editions or detailed content, consulting the latest version of the book is recommended.

Question What are the core principles covered in 'Essentials of Economics' by Hubbard, Garnett, and Lewis? The book covers fundamental economic concepts such as supply and demand, market structures, consumer behavior, production, costs, and macroeconomic policies, providing a comprehensive overview of both micro and macroeconomics. **Answer** How does 'Essentials of Economics' by Hubbard, Garnett, and Lewis differ from other introductory economics textbooks? This textbook emphasizes clarity and practical applications, integrating real-world examples and case studies to help students grasp economic principles effectively, while also focusing on contemporary economic issues. Is 'Essentials of Economics' suitable for beginners or only for advanced students? The book is designed as an introductory resource, making it suitable for beginners and students new to economics, providing foundational knowledge in an accessible manner. What updates or recent trends are included in the latest edition of 'Essentials of Economics'? The latest edition incorporates

recent economic developments such as globalization impacts, technological advancements, current fiscal and monetary policies, and the effects of recent financial crises. Can 'Essentials of Economics' be used as a textbook for undergraduate courses? Yes, it is widely used in undergraduate courses due to its comprehensive coverage, clear explanations, and relevance to current economic issues. Does the book include supplementary online resources or tools? Yes, many editions offer online resources such as quizzes, glossaries, and interactive modules to enhance student understanding and engagement. Who are the authors Hubbard, Garnett, and Lewis, and what are their backgrounds? The authors are experienced economists and educators known for their contributions to economic education, with backgrounds in teaching, research, and writing on various economic topics, ensuring authoritative and accessible content.

Related keywords: economics, principles, microeconomics, macroeconomics, economic theory, economic analysis, economic principles, economic concepts, economic textbooks, Hubbard Garnett Lewis

DEPARTMENT OF ECONOMICS ECONOMICS BY

Department of Economics Economics By is a comprehensive academic discipline dedicated to understanding how societies allocate scarce resources to meet unlimited wants and needs. As a fundamental pillar of social sciences, economics explores the mechanisms behind production, distribution, and consumption of goods and services. The department of economics plays a vital role in shaping policies, fostering research, and developing analytical tools that help address complex economic challenges in both local and global contexts.

In this article, we delve into the multifaceted world of the department of economics, examining its core functions, academic offerings, research areas, career prospects, and its significance in today's interconnected world.

Understanding the Department of Economics

The department of economics is an academic division within universities and colleges that focuses on teaching and research related to economic theories, models, and applications. It aims to equip students with critical thinking skills, quantitative analysis capabilities, and an understanding of economic principles that influence decision-making at individual, corporate, and governmental levels.

Core Objectives of the Department

- To provide a solid foundation in economic theories and principles
- To develop analytical and quantitative skills for economic analysis
- To foster research and innovation in economic thought
- To prepare students for careers in academia, government, finance, and industry
- To contribute to policy development and societal well-being

Key Components of the Department

- **Undergraduate Programs:** Bachelor's degrees in Economics, often combined with other disciplines
- **Graduate Programs:** Master's and Ph.D. programs focusing on advanced research and specialization
- **Research Centers:** Facilities dedicated to applied research, policy analysis, and economic modeling
- **Faculty:** Professors, researchers, and industry experts who contribute to teaching and scholarly work

Academic Offerings and Specializations

The department of economics offers a range of academic programs designed to cater to diverse interests and career goals. These programs often include core courses, electives, and specialization tracks.

Undergraduate Programs

- Bachelor of Arts (BA) or Bachelor of Science (BS) in Economics
- Combined degrees (e.g., Economics and Political Science, Economics and Business)
- Focus on foundational economic theories, mathematics, and statistics

Graduate Programs

- Master of Economics (ME) or Master of Business Economics
- Ph.D. in Economics for those interested in academic or high-level research careers
- Emphasis on econometrics, microeconomic and macroeconomic theory, and policy analysis

Specializations and Research Areas

- Microeconomics
- Macroeconomics
- Development Economics
- International Economics
- Environmental Economics
- Behavioral Economics
- Public Economics
- Financial Economics
- Health Economics

Research and Impact of the Department of Economics

Research is a cornerstone of the department of economics. Faculty and students often collaborate on projects that influence policy and improve understanding of economic phenomena.

Key Research Areas

- **Economic Development:** Strategies for improving living standards and reducing poverty
- **Public Policy:** Taxation, government spending, and social welfare programs
- **Financial Markets:** Market efficiency, banking stability, and investment analysis
- **Environmental Economics:** Sustainable development and resource management
- **Labor Economics:** Employment, wages, and labor market policies

Impact on Society and Policy

- Informing government policies to foster economic stability and growth
- Providing insights into global trade and financial systems
- Addressing pressing issues such as inequality, climate change, and economic crises
- Supporting development initiatives through empirical research

Career Opportunities for Economics Graduates

Graduates from the department of economics are highly sought after in various sectors due to their analytical skills and understanding of economic systems.

Potential Career Paths

- Economist in government agencies or international organizations

- Financial analyst or investment banker
- Policy advisor or consultant
- Research analyst in think tanks and research institutions
- Academic researcher or university professor
- Data analyst or quantitative analyst in tech firms
- Entrepreneur or business strategist

Skills Developed

- Quantitative and statistical analysis
- Critical thinking and problem-solving
- Data interpretation and economic modeling
- Policy analysis and evaluation
- Effective communication of complex ideas

The Significance of the Department of Economics in Today's World

In an era characterized by rapid technological advancements, globalization, and complex economic challenges, the department of economics holds immense importance.

Addressing Global Challenges

- Climate change and environmental sustainability
- Economic inequality and social justice
- Financial stability and crisis prevention
- Technological disruptions and workforce adaptation

Fostering Innovation and Policy Development

- Utilizing big data and machine learning for economic forecasting
- Designing effective fiscal and monetary policies
- Promoting sustainable economic growth

Enhancing Decision-Making

- Providing governments and businesses with evidence-based insights
- Supporting informed policy-making to improve societal welfare

Conclusion

The department of economics, often described as "economics by," is a vital academic field that combines theoretical knowledge with practical application. Its diverse programs, rigorous research, and societal impact make it an essential component of higher education institutions worldwide. Whether students seek careers in policy, finance, academia, or industry, a solid foundation in economics opens doors to influential and rewarding opportunities. As the world faces ongoing economic uncertainties and transformations, the role of the department of economics remains more relevant than ever, guiding informed decision-making and fostering sustainable development for future generations.

Department of Economics

Introduction: The Significance of a Robust Economics Department

In the landscape of higher education, the Department of Economics stands as a cornerstone for cultivating analytical thinkers, policy advisors, and innovative researchers. Renowned for its comprehensive curriculum, distinguished faculty, and research output, an economics department not only shapes students' understanding of markets and human behavior but also influences societal and governmental policies globally. As an expert review, this article explores the critical elements that define a top-tier economics department, evaluates its core strengths, and highlights the transformative role it plays in academic and real-world settings.

Core Components of an Exemplary Economics Department

An effective economics department encompasses several fundamental components that together create an environment conducive to academic excellence, research innovation, and student development. These include faculty expertise, curriculum design, research facilities, industry collaboration, and student support services.

Faculty Expertise and Leadership

At the heart of any department lies its faculty. An outstanding economics department boasts a diverse faculty with expertise spanning various subfields such as macroeconomics, microeconomics, econometrics, development economics, behavioral economics, and international economics.

Key attributes include:

- Academic Credentials: Faculty members often hold doctorates from leading institutions,

ensuring a high level of scholarship and credibility.

- Research Contributions: Professors actively publish in top-tier journals, influence policy, and participate in renowned conferences.
- Diverse Perspectives: Inclusion of economists from different cultural, geographic, and theoretical backgrounds fosters a richer learning environment.
- Mentorship and Teaching Excellence: Faculty committed to mentoring students and fostering critical thinking are pivotal to student success.

Curriculum Design and Educational Approach

A well-structured curriculum balances foundational theories with contemporary issues, emphasizing both quantitative and qualitative skills.

Features of a comprehensive curriculum:

- Core Courses: Microeconomics, macroeconomics, statistics, and econometrics form the backbone.
- Electives and Specializations: Fields like environmental economics, health economics, financial economics, and behavioral economics allow students to tailor their studies.
- Practical Skills: Emphasis on data analysis, programming (e.g., R, Python), and policy evaluation.
- Interdisciplinary Integration: Courses that intersect with politics, sociology, and technology prepare students for complex real-world problems.

Innovative Teaching Methods:

- Case studies, simulations, and experiential learning.
- Use of online platforms and digital resources.
- Collaborative projects with industry and government agencies.

Research and Innovation Infrastructure

The vitality of an economics department is reflected in its research output and infrastructure.

Essential elements include:

- Research Centers: Specialized institutes focusing on areas such as development studies, fiscal policy, or behavioral science.

- Data Facilities: Access to economic databases (e.g., World Bank, IMF, national statistics), labs, and computational resources.
- Funding and Grants: Active pursuit of research funding from governmental and private sources to foster innovative projects.
- Publication and Dissemination: Encouragement of faculty and students to publish findings, participate in conferences, and influence policy debates.

Impact and Global Recognition

A department's reputation is often gauged by its contribution to academia and society at large. Leading economics departments influence policy, contribute to economic modeling and forecasting, and produce influential research that shapes national and international strategies.

Research Output and Publications

High-quality research published in peer-reviewed journals advances economic theory and practice. Departments that consistently produce impactful publications tend to attract top students and faculty.

Notable indicators include:

- Number of publications in top-tier journals.
- Citations and academic influence.
- Interdisciplinary collaborations.

Alumni and Industry Connections

Strong industry networks and alumni success stories serve as testimonials to a department's quality.

Alumni roles include:

- Policy advisors at governmental agencies.
- Economists in international organizations like the IMF or World Bank.
- Researchers at think tanks and academia.
- Leaders in finance, consulting, and entrepreneurship.

Special Features of Leading Economics Departments

Some departments distinguish themselves through unique offerings and strategic initiatives.

Interdisciplinary Programs

Integrating economics with data science, political science, public health, or environmental studies prepares students for multifaceted challenges.

Global Engagement and Partnerships

Collaborations with international universities, research institutions, and governmental bodies foster cross-cultural exchanges and joint research initiatives.

Focus on Policy and Society

Departments emphasizing policy implications and societal impact train students to become change agents.

Activities include:

- Policy labs.
- Consulting projects.
- Public seminars and forums.

Emphasis on Sustainability and Ethics

Incorporating environmental and ethical considerations into economic analysis aligns with global priorities on sustainable development.

Choosing the Right Economics Department: What Prospective Students Should Consider

For students contemplating their academic future, understanding the strengths and focus areas of a department is crucial.

Key considerations:

- Faculty expertise and research interests.
- Curriculum flexibility and specialization options.
- Research opportunities and funding availability.

- Industry and internship partnerships.
- Graduate success rates and employment outcomes.
- International exposure and exchange programs.

Conclusion: The Transformative Power of a Strong Economics Department

In an era marked by rapid technological change, global interconnectedness, and complex economic challenges, a robust Department of Economics serves as a vital engine for knowledge creation and societal progress. Whether through pioneering research, shaping policy, or preparing future leaders, top-tier departments exert a profound influence that extends well beyond university walls.

Investing in an exceptional economics department is not merely about academic excellence; it is about fostering a deeper understanding of human behavior, societal dynamics, and sustainable development. As stakeholders—students, educators, policymakers, and society at large—recognize its significance, the department's role in shaping a better future becomes ever more essential.

In summary, a distinguished Department of Economics combines expert faculty, innovative curricula, extensive research infrastructure, and societal engagement to produce influential scholars and policymakers. Its impact resonates in the corridors of academia and the corridors of power, making it a pivotal element in addressing the economic challenges of today and tomorrow.

Question What is the primary focus of the Department of Economics? The Department of Economics primarily focuses on studying how individuals, businesses, and governments make choices regarding the allocation of resources, analyzing economic behavior, and understanding market dynamics. **Answer** How does the Department of Economics by university contribute to student career development? It provides students with analytical skills, economic theory knowledge, and practical experience through research and internships, preparing them for careers in finance, policy analysis, consulting, and academia. What are the key courses offered by the Department of Economics? Key courses typically include Microeconomics, Macroeconomics, Econometrics, Development Economics, International Economics, and Public Policy. How does the Department of Economics incorporate current economic trends into its curriculum? It updates its curriculum regularly to include topics like behavioral economics, digital currencies, global trade issues, and sustainability to ensure students are engaged with contemporary economic challenges. What research areas are prominent within the Department of Economics? Prominent research areas include behavioral economics, environmental economics, health economics, development economics, and monetary policy. How can students engage with the Department of Economics beyond coursework? Students can participate in research projects, internships, economics clubs, seminars, and conferences organized by the department to enhance their practical understanding and network with professionals.

Related keywords: economics department, economics courses, economics faculty, economics

research, economics programs, economics majors, economics degree, economics faculty list, economics research topics, economics university

Read the full article online: [department of economics economics by](#)