

Kenneth J Arrow Social Choice And Individual Values

Social Choice and Individual Values **Social Choice and Individual Values Handbook of Social Choice and Welfare Handbook of Social Choice and Welfare** *Collected Papers of Kenneth J. Arrow: Social choice and justice* **Welfare Economics and Social Choice Theory** **Welfare Economics and Social Choice Theory** The Arrow Impossibility Theorem **Social Choice Theory** *Social Choice and the Mathematics of Manipulation Logic and Social Choice (RLE Social Theory)* **A Primer in Social Choice Theory** Classics of Social Choice **A Primer in Social Choice Theory** *Arrow and the Foundations of the Theory of Economic Policy* **The Theory of Social Choice** **Social Choice and Welfare** **Decisions and Elections** Conversations on Social Choice and Welfare Theory - Vol. 1 *Social Choice and Multicriterion Decision-Making* **Coalition Formation and Social Choice** *Social Choice and Democratic Values* **Social Choice Game Theory, Social Choice and Ethics** *Essays in Honor of Kenneth J. Arrow: Volume 1, Social Choice and Public Decision Making* **Collective Choice and Social Welfare** **Mathematics of Social Choice** Collective Decision Making **Collective Choice and Social Welfare** *Rationalizing Capitalist Democracy* **Majority Judgment** Finance & Development, September 2014 **Democratic Planning and Social Choice** **Dilemmas** *Social Choice and Legitimacy* *Individual Choice Under Certainty and Uncertainty* **Foundations of Social Choice Theory** **Handbook of Computational Social Choice** **The Limits of Organization** **Artificial Intelligence Safety and Security** *Handbook of Social Choice and Voting*

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Social Choice and Individual Values

Sep 30 2022 Originally published in 1951, "Social Choice and Individual Values" introduced "Arrow's Impossibility Theorem" and founded the field of social choice theory in economics and political science. This new edition, including a new foreword by Nobel laureate Eric Maskin, reintroduces Arrow's seminal book to a new generation of students and researchers."Far beyond a classic, this small book unleashed the ongoing explosion of interest in social choice and voting theory. A

half-century later, the book remains full of profound insight: its central message, 'Arrow's Theorem, ' has changed the way we think."-- Donald G. Saari, author of "Decisions and Elections: Explaining the Unexpected " Classics of Social Choice Oct 20 2021 Over the centuries an intriguing collection of thinkers have realized that voting and social choice are not straightforward. Yet despite the work of many distinguished contributors in this area, the subject has only become established in the last few decades. Indeed, many earlier writings were lost and their

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content forgotten, only to be rediscovered later and then forgotten again. This puzzling saga of intellectual history unfolds in *Classics of Social Choice* through these original writings. The editors have included recently discovered pieces and other major contributions - newly translated where necessary. The introduction explains who each writer was, locates him in a historical context, and analyzes his argument. It was only in the 1940s and 1950s that the theory of social choice was established by Duncan Black and Kenneth Arrow - whose Nobel Prize in Economics was awarded in part for this work. It is now a large and thriving branch of economics and politics. *Classics of Social Choice* will interest anyone working in social choice theory as well as students of medieval thought, the Enlightenment, and constitutions.

Social Choice and Legitimacy
Dec 30 2019 Governing
requires choices, and hence
trade-offs between conflicting

goals or criteria. This book asserts that legitimate governance requires explanations for such trade-offs and then demonstrates that such explanations can always be found, though not for every possible choice. In so doing, John W. Patty and Elizabeth Maggie Penn use the tools of social choice theory to provide a new and discriminating theory of legitimacy. In contrast with both earlier critics and defenders of social choice theory, Patty and Penn argue that the classic impossibility theorems of Arrow, Gibbard, and Satterthwaite are inescapably relevant to, and indeed justify, democratic institutions. Specifically, these institutions exist to do more than simply make policy - through their procedures and proceedings, these institutions make sense of the trade-offs required when controversial policy decisions must be made.

*Rationalizing Capitalist
Democracy* May 03 2020
Offering a fascinating
biography of a foundational

theory, Amadae reveals not only how the ideological battles of the Cold War shaped ideas but also how those ideas may today be undermining the very notion of individual liberty they were created to defend.

Logic and Social Choice (RLE Social Theory) Dec 22 2021
How is a social decision made out of individual members' decisions? This is one of the primary questions in the social sciences. *Logic and Social Choice* provides an answer to the topic by the application of mathematical logic. Yasusuke Murakami formulates social decision-making in logical terms, and shows that an analysis of social decision is equivalent to a logical calculus in many-valued logic. The logical conditions are then derived for various types of societies, especially for democracy. This foundation enables the author to discuss such topics as the relation between direct democracy and the representative system, a comparison of various rules of election, and the stability of social decision. The main

conclusion is that inconsistency or paradox is inherent not only in voting and in democracy itself, but also in any piecemeal social decision-making.

Game Theory, Social Choice and Ethics Nov 08 2020
There are problems to whose solution I would attach an infinitely greater import ancfl than to those of mathematics, for example touching ethics, or our relation to God, or concerning our destiny and our future; but their solution lies wholly beyond us and completely outside the province of science. J. F. C. Gauss
For a11 his prescience in matters physical and mathematicial, the great Gauss apparently did not foresee one development peculiar to OUT own time. The development I have in mind is the use of mathematical reasoning - in partieu lar the axiomatic method - to explicate alternative concepts of rationality and morality. The present bipartite collection of essays (Vol. 11, Nos. 2 and 3 of this journal) is entitled 'Game Theory, Social Choiee, and Ethics'. The eight papers

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represent state-of-the-art research in formal moral theory. Their intended aim is to demonstrate how the methods of game theory, decision theory, and axiomatic social choice theory can help to illuminate ethical questions central not only to moral theory, but also to normative public policy analysis. Before discussion of the contents of the papers, it should prove helpful to recall a number of pioneering papers that appeared during the decade of the 1950s. These papers contained a series of mathematical and conceptual breakthroughs which laid the basis for much of today's research in formal moral theory. The papers deal with two somewhat distinct topics: the concept of individual and collective rationality, and the concept of social justice.

Welfare Economics and

Social Choice Theory Apr 25 2022 This book covers the main topics of welfare economics — general equilibrium models of exchange and production, Pareto optimality, uncertainty,

externalities and public goods — and some of the major topics of social choice theory — compensation criteria, fairness, voting. Arrow's Theorem, and the theory of implementation. The underlying question is this: "Is a particular economic or voting mechanism good or bad for society?" Welfare economics is mainly about whether the market mechanism is good or bad; social choice is largely about whether voting mechanisms, or other more abstract mechanisms, can improve upon the results of the market. This second edition updates the material of the first, written by Allan Feldman. It incorporates new sections to existing first-edition chapters, and it includes several new ones. Chapters 4, 6, 11, 15 and 16 are new, added in this edition. The first edition of the book grew out of an undergraduate welfare economics course at Brown University. The book is intended for the undergraduate student who has some prior familiarity with microeconomics. However, the

book is also useful for graduate students and professionals, economists and non-economists, who want an overview of welfare and social choice results unburdened by detail and mathematical complexity. Welfare economics and social choice both probably suffer from excessively technical treatments in professional journals and monographs.

Social Choice and Welfare

Jun 15 2021 This volume comprises papers presented at the Symposium on Collective Choice, by leading experts in this field. It presents recent advances in Social Choice Theory and Welfare Economics. The papers are classified in two broad groups: (1) those dealing with the ethical aspects of the theory of social choice and (2) those concerned with the positive aspects. The papers in the first part are concerned with the Arrow-type aggregation problem or aspects of it and with more specific questions relating to optimality, justice and welfare. In part II several papers

discuss the problem of strategic misrevelation of preferences by individuals, others discuss simple voting games, social choice-correspondences and electoral competition. The main features are: - Recent advances in social choice theory and welfare economics - New mathematical approaches to social choice theory (differential and algebraic topology) -New aspects of the concepts of justice and optimality in welfare economics and social choice.

A Primer in Social Choice Theory

Nov 20 2021 This introductory text explores the theory of social choice. This text is an important starting point for students grappling with the complexities of social choice theory. Rigorous yet accessible, with new chapter exercises, it avoids the use of technical language and provides an up-to-date discussion of this rapidly developing field.

Democratic Planning and Social Choice Dilemmas Jan 29 2020 Using the economic

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approach of social choice theory, this unique book examines difficulties found in democratic processes involved in the creation and implementation of planning policies. Social choice theory focuses on the hard trade-offs to be made between rationality in decision-making on the one hand, and political values such as democracy, liberalism and freedom from manipulation on the other. As an institution can be seen as a set of rules, the focus on rules and procedures of collective choice makes social choice theory well suited for analysing important political aspects of planning institutions. Special attention is given to communicative planning and the logical reasons why all the desirable properties of dialogue cannot be simultaneously attained. The analysis provides original and significant new insights into the process and the institutions involved. It highlights weak spots of present planning techniques and procedures and suggests further steps towards

institutionally enriched planning theory.

Handbook of Social Choice and Welfare Aug 30 2022 The Handbook of Social Choice and Welfare presents, in two volumes, essays on past and on-going work in social choice theory and welfare economics. The first volume consists of four parts. In Part 1 (Arrovian Impossibility Theorems), various aspects of Arrovian general impossibility theorems, illustrated by the simple majority cycle first identified by Condorcet, are expounded and evaluated. It also provides a critical survey of the work on different escape routes from impossibility results of this kind. In Part 2 (Voting Schemes and Mechanisms), the operation and performance of voting schemes and cost-sharing mechanisms are examined axiomatically, and some aspects of the modern theory of incentives and mechanism design are expounded and surveyed. In Part 3 (structure of social choice rules), the positional rules of collective decision-

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making (the origin of which can be traced back to a seminal proposal by Borda), the game-theoretic aspects of voting in committees, and the implications of making use of interpersonal comparisons of welfare (with or without cardinal measurability) are expounded, and the status of utilitarianism as a theory of justice is critically examined. It also provides an analytical survey of the foundations of measurement of inequality and poverty. In order to place these broad issues (as well as further issues to be discussed in the second volume of the Handbook) in perspective, Kotaro Suzumura has written an extensive introduction, discussing the historical background of social choice theory, the vistas opened by Arrow's Social Choice and Individual Values, the famous "socialist planning" controversy, and the theoretical and practical significance of social choice theory. The primary purpose of this Handbook is to provide an accessible introduction to the

current state of the art in social choice theory and welfare economics. The expounded theory has a strong and constructive message for pursuing human well-being and facilitating collective decision-making.

Handbook of Social Choice and Voting Jun 23 2019 This

Handbook provides an overview of interdisciplinary research related to social choice and voting that is intended for a broad audience. Expert contributors from various fields present critical summaries of the existing literature, including intuitive explanations of technical terminology and well-known theorems, suggesting new directions for research.

Collective Choice and Social Welfare

Sep 06 2020 This book is concerned with the study of collective preference, in particular with the relationship between the objectives of social action and the preferences and aspirations of society's members. Professor Sen's approach is based on the assumption that the problem of

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collective choice cannot be satisfactorily discussed within the confines of economics. While collective choice forms a crucial aspect of economics, the subject pertains also to political science, the theory of the state, and to the theory of decision procedures. The author has therefore used material from these disciplines, plus philosophical aspects from ethics and the theory of justice.

Collective Choice and Social Welfare Jun 03 2020 Originally published in 1970, this classic study has been recognized for its groundbreaking role in integrating economics and ethics, and for its influence in opening up new areas of research in social choice, including aggregative assessment. It has also had a large influence on international organizations, including the United Nations, notably in its work on human development. The book showed that the "impossibility theorems" in social choice theory--led by the pioneering work of Kenneth Arrow--do not negate the possibility of reasoned and

democratic social choice. Sen's ideas about social choice, welfare economics, inequality, poverty, and human rights have continued to evolve since the book's first appearance.

This expanded edition preserves the text of the original while presenting eleven new chapters of fresh arguments and results.

"Expanding on the early work of Condorcet, Pareto, Arrow, and others, Sen provides rigorous mathematical argumentation on the merits of voting mechanisms...For those with graduate training, it will serve as a frequently consulted reference and a necessity on one's book shelf." --J. F.

O'Connell, *Choice Social Choice and the Mathematics of Manipulation*

Jan 23 2022 A mathematical look at why it is impossible to devise a completely unmanipulable voting system, first published in 2005.

Decisions and Elections May 15 2021 It is not uncommon to be frustrated by the outcome of an election or a decision in voting, law, economics,

engineering, and other fields. Does this bad result reflect poor data or poorly informed voters? Or does the disturbing conclusion reflect the choice of the decision/election procedure? Nobel Laureate Kenneth Arrow's famed theorem has been interpreted to mean no decision procedure is without flaws. Similarly, Nobel Laureate Amartya Sen dashes hope for individual liberties by showing their incompatibility with societal needs. This highly accessible book offers a new, different interpretation and resolution of Arrow's and Sen's theorems. Using simple mathematics, it shows that these negative conclusions arise because, in each case, some of their assumptions negate other crucial assumptions. Once this is understood, not only do the conclusions become expected, but a wide class of other phenomena can also be anticipated.

Majority Judgment Apr 01 2020 An account of a new theory and method of voting, judging and ranking, majority

judgment, shown to be superior to all other known methods. In *Majority Judgment*, Michel Balinski and Rida Laraki argue that the traditional theory of social choice offers no acceptable solution to the problems of how to elect, to judge, or to rank. They find that the traditional model—transforming the "preference lists" of individuals into a "preference list" of society—is fundamentally flawed in both theory and practice. Balinski and Laraki propose a more realistic model. It leads to an entirely new theory and method—majority judgment—proven superior to all known methods. It is at once meaningful, resists strategic manipulation, elicits honesty, and is not subject to the classical paradoxes encountered in practice, notably Condorcet's and Arrow's. They offer theoretical, practical, and experimental evidence—from national elections to figure skating competitions—to support their arguments. Drawing on insights from wine, sports,

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music, and other competitions, Balinski and Laraki argue that the question should not be how to transform many individual rankings into a single collective ranking, but rather, after defining a common language of grades to measure merit, how to transform the many individual evaluations of each competitor into a single collective evaluation of all competitors. The crux of the matter is a new model in which the traditional paradigm—to compare—is replaced by a new paradigm—to evaluate.

The Limits of Organization

Aug 25 2019 The tension between what we wish for and what we can get, between values and opportunities, exists even at the purely individual level. A hermit on a mountain may value warm clothing and yet be hard-pressed to make it from the leaves, bark, or skins he can find. But when many people are competing with each other for satisfaction of their wants, learning how to exploit what is available becomes more difficult. In this volume, Nobel Laureate

Kenneth J. Arrow analyzes why - and how - human beings organize their common lives to overcome the basic economic problem: the allocation of scarce resources. The price system is one means of organizing society to mediate competition, and Arrow analyzes its successes and failures. Alternative modes of achieving efficient allocation of resources are explored: government, the internal organization of the firm, and the 'invisible institutions' of ethical and moral principles. Professor Arrow shows how these systems create channels to make decisions, and discusses the costs of information acquisition and retrieval. He investigates the factors determining which potential decision variables are recognized as such. Finally, he argues that organizations must achieve some balance between the power of the decision makers and their obligation to those who carry out their decisions - between authority and responsibility.

Social Choice Theory Feb 21

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2022 This is a textbook introducing selected topics in formal social choice theory. Social choice theory studies group choices that are based on information about preferences of members of the group (voting rules being one important special case). This involves economics, which provides the method of modelling individual decision making; political philosophy, which provides criteria about the allocation of decision-influencing power; and game theory, which provides a framework for thinking about the strategies individuals employ in trying to influence the group choice. The goal of this book is to take basic ideas like impossibility theorems, rights exercising and strategy proofness and give the student just enough technical background to be able to understand these ideas in a logically rigorous way. This is done through a set of 250 exercises that constitute the heart of the book and which differentiate this book from all other texts in social choice

theory.

Artificial Intelligence Safety and Security Jul 25 2019 The history of robotics and artificial intelligence in many ways is also the history of humanity's attempts to control such technologies. From the Golem of Prague to the military robots of modernity, the debate continues as to what degree of independence such entities should have and how to make sure that they do not turn on us, its inventors. Numerous recent advancements in all aspects of research, development and deployment of intelligent systems are well publicized but safety and security issues related to AI are rarely addressed. This book is proposed to mitigate this fundamental problem. It is comprised of chapters from leading AI Safety researchers addressing different aspects of the AI control problem as it relates to the development of safe and secure artificial intelligence. The book is the first edited volume dedicated to addressing challenges of constructing safe and secure

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advanced machine intelligence. The chapters vary in length and technical content from broad interest opinion essays to highly formalized algorithmic approaches to specific problems. All chapters are self-contained and could be read in any order or skipped without a loss of comprehension.

Social Choice and

Multicriterion Decision-Making

Mar 13 2021 A study of the industrial outranking problem, one of the major outstanding problems of current operations research and managerial decision-making.

Collective Decision Making

Jul 05 2020 Harrie de Swart is a Dutch logician and mathematician with a great and open interest in applications of logic. After being confronted with Arrow's Theorem, Harrie became very interested in social choice theory. In 1986 he took the initiative to start up a group of Dutch scientists for the study of social choice theory. This initiative grew out to a research group and a series of

colloquia, which were held approximately every month at the University of Tilburg in The Netherlands. The organization of the colloquia was in the hands of Harrie and under his guidance they became more and more internationally known. Many international scholars liked visiting the social choice colloquia in Tilburg and enjoyed giving one or more presentations about their work. They liked Harrie's kindness and hospitality, and the openness of the group for anything and everything in the field of social choice. The Social Choice Theory Group started up by Harrie consisted, and still consists, of scholars from several disciplines; mostly economics, mathematics, and (mathematical) psychology. It was set up for the study of and discussion about anything that had to do with social choice theory including, and not in the least, the supervision of PhD students in the theory.

Members of the group were, among others, Thom Bezembinder (psychologist), Hans Peters (mathematician),

Pieter Ruys (economist), Stef Tijs (mathematician and game theorist) and, of course, Harrie de Swart (logician and mathematician).

Social Choice and Democratic Values Jan 11 2021 This book offers a comprehensive overview and critique of the most important political and philosophical interpretations of the basic results of social choice, assessing their plausibility and seeking to identify the links between the theory of social choice and the more traditional issues of political theory and philosophy. In this regard, the author eschews a strong methodological commitment or technical formalism; the approach is instead based on the presentation of political facts and illustrated via numerous real-life examples. This allows the reader to get acquainted with the philosophical and political dispute surrounding voting and collective decision-making and its links to social choice theory. [The Arrow Impossibility Theorem](#) Mar 25 2022 Kenneth

Arrow's pathbreaking Impossibility theorem was a watershed in the history of welfare economics, voting theory, and collective choice, demonstrating that there is no voting rule that satisfies the four desirable axioms of decisiveness, consensus, nondictatorship, and independence. In this book, Amartya Sen and Eric Maskin explore the implications of Arrow's theorem. Sen considers its ongoing utility, exploring the theorem's value and limitations in relation to recent research on social reasoning, while Maskin discusses how to design a voting rule that gets us closer to the ideal. Given that achieving the ideal is impossible. The volume also contains a contextual introduction by social choice scholar Prasanta K. Pattanaik and commentaries from Joseph E. Stiglitz and Kenneth Arrow himself, as well as essays by Sen and Maskin outlining the mathematical proof and framework behind their assertions.

Finance & Development.

September 2014 Mar 01 2020

This chapter discusses various past and future aspects of the global economy. There has been a huge transformation of the global economy in the last several years. Articles on the future of energy in the global economy by Jeffrey Ball and on measuring inequality by Jonathan Ostry and Andrew Berg are also illustrated. Since the 2008 global crisis, global economists must change the way they look at the world.

Welfare Economics and

Social Choice Theory May 27

2022 This book covers the main topics of welfare economics — general equilibrium models of exchange and production, Pareto optimality, uncertainty, externalities and public goods — and some of the major topics of social choice theory — compensation criteria, fairness, voting, Arrow's Theorem, and the theory of implementation. The underlying question is this: "Is a particular economic or voting mechanism good or bad for society?" Welfare economics is mainly about

whether the market mechanism is good or bad; social choice is largely about whether voting mechanisms, or other more abstract mechanisms, can improve upon the results of the market. This second edition updates the material of the first, written by Allan Feldman. It incorporates new sections to existing first-edition chapters, and it includes several new ones. Chapters 4, 6, 11, 15 and 16 are new, added in this edition. The first edition of the book grew out of an undergraduate welfare economics course at Brown University. The book is intended for the undergraduate student who has some prior familiarity with microeconomics. However, the book is also useful for graduate students and professionals, economists and non-economists, who want an overview of welfare and social choice results unburdened by detail and mathematical complexity. Welfare economics and social choice both probably suffer from excessively technical treatments in

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professional journals and monographs.

Social Choice Dec 10 2020

'Social Choice' is a comprehensive exploration of the key questions, concepts, terminology, methods and results of social choice theory.

Individual Choice Under Certainty and Uncertainty Nov 28 2019

The third volume of Arrow's Collected Papers concerns the basic concept of rationality as it applies to an economic decision maker. In particular, it addresses the problem of choice faced by consumers in a multicommodity world and presents specific models of choice useful in economic analysis. It also discusses choice models under uncertainty.

Handbook of Computational Social Choice Sep 26 2019

The rapidly growing field of computational social choice, at the intersection of computer science and economics, deals with the computational aspects of collective decision making. This handbook, written by thirty-six prominent members

of the computational social choice community, covers the field comprehensively.

Chapters devoted to each of the field's major themes offer detailed introductions. Topics include voting theory (such as the computational complexity of winner determination and manipulation in elections), fair allocation (such as algorithms for dividing divisible and indivisible goods), coalition formation (such as matching and hedonic games), and many more. Graduate students, researchers, and professionals in computer science, economics, mathematics, political science, and philosophy will benefit from this accessible and self-contained book.

The Theory of Social Choice

Jul 17 2021 One fundamental premise of democratic theory is that social policy, group choice, or collective action should be based on the preferences of the individuals in the society, group, or collective. Using the tools of formal mathematical analysis, Peter C. Fishburn explores and defines the

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conditions for social choice and methods for synthesizing individuals' preferences. This study is unique in its emphasis on social choice functions, the general position that individual indifference may not be transitive, and the use of certain mathematics such as linear algebra. The text is divided into three main parts: social choice between two alternatives, which examines a variety of majority-like functions; simple majority social choice, which focuses on social choice among many alternatives when two-element feasible subset choices are based on simple majority; and a general study of aspects and types of social choice functions for many alternatives. Originally published in 1973. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while

presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

Handbook of Social Choice and Welfare Jul 29 2022 This second part of a two-volume set continues to describe economists' efforts to quantify the social decisions people necessarily make and the philosophies that those choices define. Contributors draw on lessons from philosophy, history, and other disciplines, but they ultimately use editor Kenneth Arrow's seminal work on social choice as a jumping-off point for discussing ways to incentivize, punish, and distribute goods. Develops many subjects from Volume 1 (2002) while introducing new themes in welfare economics and social choice theory. Features four sections: Foundations, Developments of the Basic Arrowian Schemes,

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Fairness and Rights, and Voting and Manipulation Appeals to readers who seek introductions to writings on human well-being and collective decision-making Presents a spectrum of material, from initial insights and basic functions to important variations on basic schemes

Arrow and the Foundations of the Theory of Economic Policy Aug 18 2021

[Conversations on Social Choice and Welfare Theory - Vol. 1](#) Apr 13 2021 This volume presents interviews that have been conducted from the 1980s to the present with important scholars of social choice and welfare theory. Starting with a brief history of social choice and welfare theory written by the book editors, it features 15 conversations with four Nobel Laureates and other key scholars in the discipline. The volume is divided into two parts. The first part presents four conversations with the founding fathers of modern social choice and welfare theory: Kenneth Arrow, John

Harsanyi, Paul Samuelson, and Amartya Sen. The second part includes conversations with scholars who made important contributions to the discipline from the early 1970s onwards. This book will appeal to anyone interested in the history of economics, and the history of social choice and welfare theory in particular.

Foundations of Social Choice Theory Oct 27 2019

First published in 1986, this volume of essays offers an examination of the philosophical foundations of social choice theory, in its context as the outgrowth of welfare economics. The essays advance both criticisms and suggestions for alternative approaches.

A Primer in Social Choice Theory Sep 18 2021 This introductory text explores the theory of social choice. Written as a primer suitable for advanced undergraduates and graduates, this text will act as an important starting point for students grappling with the complexities of social choice theory. Rigorous yet

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accessible, this primer avoids the use of technical language and provides an up-to-date discussion of this rapidly developing field. This is the first in a series of texts published in association with the LSE.

Coalition Formation and Social Choice

Feb 09 2021

Coalition Formation and Social Choice provides a unified and comprehensive study of coalition formation and collective decision-making in committees. It discusses the main existing theories including the size principle, conflict of interest theory, dominant player theory, policy distance theory and power excess theory. In addition, the book offers new theories of coalition formation in which the endogenous formation of preferences for coalitions is basic. Both simple game theory and social choice theory are extensively applied in the treatment of the theories. This combined application not only leads to new theories but also offers a new and fresh perspective on coalition

formation and collective decision-making in committees. The book covers the fundamental concepts and results of social choice theory including Arrow's Impossibility Theorem. Furthermore, it gives a coherent treatment of the theory of simple games. Besides more traditional topics in simple game theory like power indices, it also introduces new aspects of simple games such as the Chow parameter, the Chow vector and the notion of similar games.

Collected Papers of Kenneth J.

Arrow: Social choice and justice

Jun 27 2022

Arrow takes up the basic question of whether collective choices can reflect individual preferences. The seminal 1950 paper that opens the volume shows that given reasonable conditions that social choices must satisfy to reflect individual preferences, it is impossible to make a choice among alternatives without violating some of the conditions.

Essays in Honor of Kenneth J.

Arrow: Volume 1, Social Choice

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and Public Decision Making

Oct 08 2020 The first of three volumes of essays in honour of the distinguished economic theorist Professor Kenneth J. Arrow.

Mathematics of Social

Choice Aug 06 2020

Mathematics of Social Choice is a fun and accessible book that looks at the choices made by groups of people with different preferences, needs, and interests. Divided into three parts, the text first examines voting methods for selecting or ranking candidates. A brief second part addresses compensation problems wherein an indivisible item must be assigned to one of several people who are equally entitled to ownership of the item, with monetary compensation paid to the others. The third part discusses the problem of sharing a divisible resource among several people.

Mathematics of Social Choice can be used by undergraduates studying mathematics and students whose only mathematical background is

elementary algebra. More advanced material can be skipped without any loss of continuity. The book can also serve as an easy introduction to topics such as the Gibbard-Satterthwaite theorem, Arrow's theorem, and fair division for readers with more mathematical background.

Social Choice and Individual

Values Nov 01 2022

The literature on the theory of social choice has grown considerably beyond the few items in existence at the time the first edition of this book appeared in 1951. Some of the new literature has dealt with the technical, mathematical aspects, more with the interpretive. My own thinking has also evolved somewhat, although I remain far from satisfied with present formulations. The exhaustion of the first edition provides a convenient time for a selective and personal stocktaking in the form of an appended commentary entitled, 'Notes on the Theory of Social Choice, 1963, ' containing reflections on the text and its omissions

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and on some of the more recent literature. This form has seemed more appropriate than

a revision of the original text, which has to some extent acquired a life of its own.