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## **Social Hierarchies between Democracy and Autocracy**

Björn Toelstede 2020-11-04

Social hierarchies exist in democracies as well as in authoritarian societies. However, their nature is different. Democratic hierarchies are built bottom-up through election, while autocratic hierarchies are built top-down through coalition formation and domination. Both have power asymmetries between the weaker citizens and the stronger politicians, which are amplified the

stronger the hierarchies are.

This thesis introduces a model which combines pro-/anti-social behavior with different degrees of hierarchies which I unite in a model called the Structure-Behavior Diagram (Toelstede, 2020/1). This model has the power to categorize countries according to these criteria, and indicates when and how societies move between democracy and authoritarianism. The movements of societies in the political space of the Structure-Behavior Diagram are marked by certain patterns and

dynamics. I use the path dependence theory (Toelstede, 2019/2) and examine how so-called path-creating mechanisms can emerge and influence societies to move from democracy to authoritarianism. I show that path dependency-induced dynamics can put democracies at risk and are more serious in hierarchical societies than in horizontal societies. Institutional punishment is widely seen as more stable than peer punishment. However, in political reality, institutional punishment – here in the form of policing – can be marked by over- and under-punishment as well as changes in sociality (Toelstede, 2019/1 and 2020/2). These findings show, together with hierarchy-sensitive characteristics of the path dependency, that institutional punishment and social hierarchies require more attention. Lastly, I show that most democratic societies are intuitively aware of the power asymmetries and long principal-agent chains between them and their political agents.

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Together, these features provide increasing benefits for an anti-social descent of the agents, although some societies are prepared to trade personal freedom for higher socio-economic welfare. They therefore strive for higher socio-economic efficiency by embracing strong governmental forms and high conformity levels. I call this efficient statism (Toelstede, 2019/2). In doing so, societies compliantly put their free and democratic order at risk.

### **The Connected City** Zachary

P. Neal 2012-08-06 The Connected City explores how thinking about networks helps make sense of modern cities: what they are, how they work, and where they are headed. Cities and urban life can be examined as networks, and these urban networks can be examined at many different levels. The book focuses on three levels of urban networks: micro, meso, and macro. These levels build upon one another, and require distinctive analytical approaches that make it possible to consider

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different types of questions. At one extreme, micro-urban networks focus on the networks that exist within cities, like the social relationships among neighbors that generate a sense of community and belonging. At the opposite extreme, macro-urban networks focus on networks between cities, like the web of nonstop airline flights that make face-to-face business meetings possible. This book contains three major sections organized by the level of analysis and scale of network. Throughout these sections, when a new methodological concept is introduced, a separate 'method note' provides a brief and accessible introduction to the practical issues of using networks in research. What makes this book unique is that it synthesizes the insights and tools of the multiple scales of urban networks, and integrates the theory and method of network analysis.

**Animal Social Networks** Dr. Jens Krause 2015 The scientific study of network structure of dominance hierarchy of ant workers Pdf upload Arnold o Murray

social, and biological - has received an enormous amount of interest in recent years. However, the network approach has been applied to the field of animal behaviour relatively late compared to many other biological disciplines. Understanding social network structure is of great importance for biologists since the structural characteristics of any network will affect its constituent members and influence a range of diverse behaviours. These include finding and choosing a sexual partner, developing and maintaining cooperative relationships, and engaging in foraging and anti-predator behavior. This novel text provides an overview of the insights that network analysis has provided into major biological processes, and how it has enhanced our understanding of the social organisation of several important taxonomic groups. It brings together researchers from a wide range of disciplines with the aim of providing both an overview of the

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network approach for understanding patterns and process in animal populations, as well as outlining how current methodological constraints and challenges can be overcome. *Animal Social Networks* is principally aimed at graduate level students and researchers in the fields of ecology, zoology, animal behaviour, and evolutionary biology but will also be of interest to social scientists.

*Macaque Societies* Bernard Thierry 2004-09-16 Animal and human societies are multifaceted. In order to understand how they have evolved, it is necessary to investigate each of the constituent facets including individual abilities and personalities, life-history traits, mating systems, demographic dynamics, gene flows, social relationships, ecology and phylogeny. By exploring the nature and evolution of macaque social organization, this book develops our knowledge of the rise of societies and their

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course of evolution. Macaques are the most comprehensively studied of all monkey groups, and the 20 known species feature a broad diversity in their social relationships, making them a particularly good group for exploring the evolution of societies. This book will be of primary interest to those studying animal behaviour and primatology, but will also be useful to those involved in the study of human societies.

**Sustainable Human Settlements** Ranvinder Singh Sandhu 2001 Contributed articles presented at the International Conference on Habitat Agenda and Human Settlements in South and Southeast Asia in the 21st Century held at Amritsar on 18th and 19th Feb., 2000.

**The Emerging Digital Economy** Börje Johansson 2006-09-22 This book provides a balanced, empirically-based view of the "Digital Economy," and explores its regional and geographical import in areas where the Digital Economy meets more traditional

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patterns. More than just an interpretive analysis, this book utilizes empirical evidence in its assessment of the dynamics of specific regions in different parts of the world. The book also examines the policy implications of the rising Digital Economy.

**Quantitative Analysis of Ecological Networks** Mark R. T. Dale 2021-04-15 Network thinking and network analysis are rapidly expanding features of ecological research. Network analysis of ecological systems include representations and modelling of the interactions in an ecosystem, in which species or factors are joined by pairwise connections. This book provides an overview of ecological network analysis including generating processes, the relationship between structure and dynamic function, and statistics and models for these networks. Starting with a general introduction to the composition of networks and their characteristics, it includes details on such topics as measures of network

Complexity, Applications of  
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spectral graph theory, how best to include indirect species interactions, and multilayer, multiplex and multilevel networks. Graduate students and researchers who want to develop and understand ecological networks in their research will find this volume inspiring and helpful. Detailed guidance to those already working in network ecology but looking for advice is also included.

**Networks** Mark Newman 2018-07-04 The study of networks, including computer networks, social networks, and biological networks, has attracted enormous interest in the last few years. The rise of the Internet and the wide availability of inexpensive computers have made it possible to gather and analyze network data on an unprecedented scale, and the development of new theoretical tools has allowed us to extract knowledge from networks of many different kinds. The study of networks is broadly interdisciplinary and central developments have occurred from

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many fields, including mathematics, physics, computer and information sciences, biology, and the social sciences. This book brings together the most important breakthroughs in each of these fields and presents them in a coherent fashion, highlighting the strong interconnections between work in different areas. Topics covered include the measurement of networks; methods for analyzing network data, including methods developed in physics, statistics, and sociology; fundamentals of graph theory; computer algorithms; mathematical models of networks, including random graph models and generative models; and theories of dynamical processes taking place on networks.

**Dominance Relations** Donald R. Omark 1980

**Global Trends 2040** National Intelligence Council 2021-03

"The ongoing COVID-19 pandemic marks the most significant, singular global disruption since World War II, with a net zero economic, political,

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and security implications that will ripple for years to come." - Global Trends 2040 (2021) Global Trends 2040-A More Contested World (2021), released by the US National Intelligence Council, is the latest report in its series of reports starting in 1997 about megatrends and the world's future. This report, strongly influenced by the COVID-19 pandemic, paints a bleak picture of the future and describes a contested, fragmented and turbulent world. It specifically discusses the four main trends that will shape tomorrow's world: - Demographics-by 2040, 1.4 billion people will be added mostly in Africa and South Asia. - Economics-increased government debt and concentrated economic power will escalate problems for the poor and middleclass. - Climate-a hotter world will increase water, food, and health insecurity. - Technology-the emergence of new technologies could both solve and cause problems for human life. Students of Trends

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policymakers, entrepreneurs, academics, journalists and anyone eager for a glimpse into the next decades, will find this report, with colored graphs, essential reading.

### How Culture Makes Us Human

Dwight W Read 2016-05-23

What separates modern humans from our primate cousins—are we a mere blink in the march of evolution, or does human culture represent the definitive evolutionary turn? Dwight Read explores the dilemma in this engaging, thought-provoking book, taking readers through an evolutionary odyssey from our primate beginnings through the development of culture and social organization. He assesses the two major trends in this field: one that sees us as a logical culmination of primate evolution, arguing that the rudiments of culture exist in primates and even magpies, and another that views the human transition as so radical that the primate model provides no foundation for understanding human

*Dwight W Read synthesizing  
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a wide body of evidence from the anthropological and life sciences in accessible prose, Read's book will interest a broad readership from experts to undergraduate students and the general public.

### **Global Cities** ZHOU Zhenhua

2020-07-31 The pivotal nodes

in the world city network are global cities---cities of supreme strategic value in global economy and politics, science and technology, culture, and society. *Global Cities: Past, Present and Future* explores the evolution of global cities---their formation, rise, development and tendencies. This book summarizes and interprets global tendencies and also puts forward a theoretical framework that will help researchers understand these cities better. It also makes a compelling case for understanding every city in terms of evolutionary dynamics. The first eight chapters of the book discuss the ontology of global city evolution and patterns, forms and trends of development. The last two chapters

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case of Shanghai, which aims to build itself into an important global city by 2050. This case study illustrates the shaping of a new type of global city that demonstrates new characteristics of the globalized space.

*International Social Science Journal* 2004

### **Relocating Global Cities**

Michael Mark Amen 2006

Drawing on eight case studies from key cities on the periphery of global cities literature, *Relocating Global Cities* argues that all cities are globalizing in important ways. Case studies of Frankfurt, Johannesburg, Bangkok, Manila, Tampa, Sydney, Brussels, and Caracas provide the basis for an alternative theoretical approach to global city formation.

Reconciling a market-based understanding and an agency-based understanding of global cities, this book proposes that globalization and cities are mutually constituted by the global political economy engaging with transnational and local agents. The volume

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theoretical approach to the literature of globalization while remaining grounded in concrete discussions of key cities. Its expert contributors reconcile the conflicting ways in which two dominant paradigms, one emphasizing market forces and the other the unique actions of individuals and groups, embody our understanding of global cities. This book will be of interest to students and researchers alike, and is a perfect complement to texts in *Urban Studies* and *Globalization*.

The Wiley-Blackwell

Encyclopedia of Urban and

Regional Studies Anthony M.

Orum 2019-04-15 Provides comprehensive coverage of major topics in urban and regional studies

Under the guidance of Editor-in-Chief Anthony Orum, this definitive reference work covers central and emergent topics in the field, through an examination of urban and regional conditions and variation across the world.

It also provides authoritative entries on the main conceptual tools used by anthropologists

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sociologists, geographers, and political scientists in the study of cities and regions. Among such concepts are those of place and space; geographical regions; the nature of power and politics in cities; urban culture; and many others. The Wiley Blackwell Encyclopedia of Urban and Regional Studies captures the character of complex urban and regional dynamics across the globe, including timely entries on Latin America, Africa, India and China. At the same time, it contains illuminating entries on some of the current concepts that seek to grasp the essence of the global world today, such as those of Friedmann and Sassen on 'global cities'. It also includes discussions of recent economic writings on cities and regions such as those of Richard Florida. Comprised of over 450 entries on the most important topics and from a range of theoretical perspectives Features authoritative entries on topics ranging from gender and the city to biographical profiles of figures like Frank Lloyd Wright

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Takes a global perspective with entries providing coverage of Latin America and Africa, India and China, and, the US and Europe Includes biographies of central figures in urban and regional studies, such as Doreen Massey, Peter Hall, Neil Smith, and Henri Lefebvre The Wiley Blackwell Encyclopedia of Urban and Regional Studies is an indispensable reference for students and researchers in urban and regional studies, urban sociology, urban geography, and urban anthropology.

### **Why We Live in Hierarchies?**

Anna Zafeiris 2017-11-05 This book systematically interprets and documents new, unifying principles and basic laws describing the most relevant aspects of hierarchy. To do so, it discusses recent experiments and models that are simple and realistic enough to reproduce the observations, and develops concepts for a better understanding of the complexity of systems consisting of many organisms. The book covers systems ranging from flocks of birds from

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groups of people. Although it focuses on hierarchical collective behavior in general, two aspects pop up in the majority of cases: collective motion and dynamically changing, partially directed networks (and the natural relation between the two). In addition, it offers a brief description of the most relevant definitions and concepts involved in the context of hierarchies, presenting both a review of the current literature and a number of new experimental and computational results in more detail. It is a valuable resource for students and scholars pursuing research on the structure of interactions within the collectives of animals and humans.

### **Applying Graph Theory in Ecological Research**

Mark R.T. Dale 2017-11-09 This book clearly describes the many applications of graph theory to ecological questions, providing instruction and encouragement to researchers.

*Sociality in the Marine*

*Establishment* David M. P. Jacoby  
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2022-03-18

### **Global Networks, Linked Cities**

Saskia Sassen

2016-04-15 First published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

[What can simple brains teach us about how vision works](#)

Davide Zoccolan 2015-11-18

Vision is the process of extracting behaviorally-relevant information from patterns of light that fall on retina as the eyes sample the outside world. Traditionally, nonhuman primates (macaque monkeys, in particular) have been viewed by many as the animal model-of-choice for investigating the neuronal substrates of visual processing, not only because their visual systems closely mirror our own, but also because it is often assumed that “simpler” brains lack advanced visual processing machinery. However, this narrow view of visual neuroscience ignores the fact that vision is widely distributed throughout the animal kingdom, enabling a wide repertoire of complex behaviors

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in species from insects to birds, fish, and mammals. Recent years have seen a resurgence of interest in alternative animal models for vision research, especially rodents. This resurgence is partly due to the availability of increasingly powerful experimental approaches (e.g., optogenetics and two-photon imaging) that are challenging to apply to their full potential in primates. Meanwhile, even more phylogenetically distant species such as birds, fish, and insects have long been workhorse animal models for gaining insight into the core computations underlying visual processing. In many cases, these animal models are valuable precisely because their visual systems are simpler than the primate visual system. Simpler systems are often easier to understand, and studying a diversity of neuronal systems that achieve similar functions can focus attention on those computational principles that are universal and essential. This Research Topic provides a survey of the state

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of the art in the use of animal models of visual functions that are alternative to macaques. It includes original research, methods articles, reviews, and opinions that exploit a variety of animal models (including rodents, birds, fishes and insects, as well as small New World monkey, the marmoset) to investigate visual function. The experimental approaches covered by these studies range from psychophysics and electrophysiology to histology and genetics, testifying to the richness and depth of visual neuroscience in non-macaque species.

### *Alternative Reproductive*

*Tactics* Rui F. Oliveira

2008-03-13 The study of

alternative reproductive tactics (the behavioural strategies used by individuals to increase their reproductive success) is an evolutionary puzzle, and one of great interest to researchers. For instance, why do some males guard both nest and eggs, while others sneak into nests while pairs are spawning and fertilise those eggs? The field offers a special

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opportunity to study the evolution and functional causes of phenotypic variation, which is a general problem in the field of evolutionary biology. By integrating both mechanistic (psychological) and evolutionary (behavioural ecology) perspectives and by covering a great diversity of species, *Alternative Reproductive Tactics* addresses this integrated topic of longstanding interest, bringing together a multitude of otherwise scattered information in an accessible form that is ideal for graduate students and researchers.

*From Local Action to Global Networks: Housing the Urban Poor* Peter Herrle 2016-03-09  
Over the past two decades it has become widely recognized that housing issues have to be placed in a broader framework acknowledging that civil society in the form of Community Based Organizations (CBOs) and their allies are increasingly networking and emerging as strong players that cannot easily be overlooked. Some of these networks have crossed the boundaries of local and national boundaries and have jumped political scales. This implies that housing issues have to be looked at from new angles: they can no longer simply be addressed through localized projects, but rather at multiple scales. The current debate is largely limited to statements about the relevance of individual organizations for local housing processes and tends to overlook the innovativeness in terms of re-scaling those processes and of influencing institutional change at various levels by transcending national boundaries. There is a significant lack of a systemic understanding of such globally operating grassroots networks and how they function in the housing process. This book brings together different perspectives on multi-scalar approaches within the housing field and on grassroots' engagement with formal agencies including local government, higher levels of government and international agencies. By moving away from the dominant hierarchy of Ant Workers Pdf upload Arnold o Murray

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romanticizing local self-initiatives, it focuses on understanding the emerging potential once local initiatives are interlinked and scaled-up to transnational networks.

### Networks, Crowds, and Markets

David Easley 2010-07-19 Are all film stars linked to Kevin Bacon? Why do the stock markets rise and fall sharply on the strength of a vague rumour? How does gossip spread so quickly? Are we all related through six degrees of separation? There is a growing awareness of the complex networks that pervade modern society. We see them in the rapid growth of the internet, the ease of global communication, the swift spread of news and information, and in the way epidemics and financial crises develop with startling speed and intensity. This introductory book on the new science of networks takes an interdisciplinary approach, using economics, sociology, computing, information science and applied mathematics to address fundamental questions

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about the links that connect us, and the ways that our decisions can have consequences for others.

### **Research in the Decision Sciences for Global Business**

European Decision Sciences Institute 2015-02-18 This volume brings together important new research in decision science, capturing the crucial role of local context in a globalized, standardized world. Assembling the best work presented at the 2013 Conference of the European Decision Sciences Institute, it considers classic decision science problems from a new perspective, offering insights for improving decision-making in government, business, healthcare, education, manufacturing, the military, and beyond. The papers in Common Disciplines that Separate Us embrace the duality of globally determined local contexts, offering new approaches to decision-making related to: Strengthening national economic competitiveness Reforming the public sector and Digital

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education Deploying information technology more effectively throughout government Making healthcare policy that achieves better outcomes at lower cost Analyzing social networks Improving processes via data visualization, modeling, and simulation Gaining more value from enterprise business intelligence Offshoring, nearshoring, "right shoring," and other key manufacturing decisions Improving supply chain performance And much more The papers collected here will be valuable to wide audiences of faculty, researchers, and students in diverse programs covering business, public administration, and economics; and for others interested in the frontiers of decision science.

*Multilevel Network Analysis for the Social Sciences* Emmanuel Lazega 2015-12-16 This volume provides new insights into the functioning of organizational, managerial and market societies. Multilevel analysis and social network analysis are described and the authors show how they can be combined in developing the theory, methods and empirical applications of the social sciences. This book maps out the development of multilevel reasoning and shows how it can explain behavior, through two different ways of contextualizing it. First, by identifying levels of influence on behavior and different aggregations of actors and behavior, and complex interactions between context and behavior. Second, by identifying different levels as truly different systems of agency: such levels of agency can be examined separately and jointly since the link between them is affiliation of members of one level to collective actors at the superior level. It is by combining these approaches that this work offers new insights. New case studies and datasets that explore new avenues of theorizing and new applications of methodology are presented. This book will be useful as a reference work for all social scientists, economists and historians who use networks

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analyses and multilevel statistical analyses. Philosophers interested in the philosophy of science or epistemology will also find this book valuable.

Ecology and Behavior of Chickadees and Titmice Ken A. Otter 2007-02 Members of the Paridae family represent popular organisms for ornithological research. This is due to the flexibility to study this group of birds in both the lab and the natural environment. In contrast to previously published literature, this volume concentrates on research themes. The editor has invited a team of leading specialists to provide a synopsis of ecological and behavioural research, and to compare and contrast this with what is known from Old World members of this family (e.g. blue tit and great tit) as well as other avian groups.

Encyclopedia of Urban Cultures Melvin Ember 2002 Presents articles on over 240 major cities around the world including demographic information, history, politics, public systems, Of Dominance Hierarchy Of Ant Workers Pdf upload Arnold o Murray

culture, social life and future outlook.

**International Aid to Education** Francine Menashy 2019 Partnerships are now pervasive in global education and development, but are they creating equitable, cooperative, and positive relationships? Through case studies of prominent multistakeholder partnerships—including the Education Cannot Wait Fund and Global Partnership for Education—as well as a comprehensive analysis of the global education network, this book exposes clear power imbalances that persist in the international aid environment. The author reveals how actors and organizations from high-income countries continue to wield disproportionate influence, while the private sector holds a growing degree of authority in public policy circles. In light of such evidence, this book questions if partnerships truly ameliorate power asymmetries, or if they instead reproduce the precise inequities they are meant to eliminate. “The use of downloaded from [via.ramtech.uri.edu](http://via.ramtech.uri.edu) on September 27, 2023 by Arnold o Murray

partnerships for international aid and development has become ubiquitous, and their value has been too-little questioned. For education, Francine Menashy's book remedies this with a detailed, probing analysis of such partnerships in theory and practice." —From the Foreword by Steven J. Klees, University of Maryland "International Aid to Education is an urgent read for anyone working in international development. Menashy's work points to ways in which all of us working in research, policy, and practice can rethink our own roles in perpetuating power imbalances and inequities." —Sarah Dryden-Peterson, Harvard Graduate School of Education "Francine Menashy's new book provides a fresh and innovative take on power and politics within multistakeholder partnerships in international development. It makes a strong new contribution to the study of global governance and education policy." —Karen Mundy, chief technical officer, Global Partnership for

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## **Urbanization and Migration as Factors Affecting Global Economic Development**

Ushakov, Denis 2014-11-30

International migration and urbanization are potential solutions for stabilizing the global economy and bolstering local and regional economies. However, if unregulated, they can also put market stability at risk and cause new social problems in both developed and developing countries. Urbanization and Migration as Factors Affecting Global Economic Development takes a close look at the impact of urbanization and international migration on the global economy. Studying the dynamics of these two phenomena in countries across the world, as well as the varying successes of regional regulations, this publication is a valuable resource for academics interested in further research in urbanization, migration, and global economic efficiency, as well as policymakers involved in regulating international migration and urbanization.

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Social Interaction in Animals:  
Linking Experimental Approach  
and Social Network Analysis

Cédric Sueur 2017-03-14

Understanding the link between individual behaviour and population organization and functioning has long been central to ecology and evolutionary biology. Behaviour is a response to intrinsic and extrinsic factors including individual state, ecological factors or social interactions. Within a group, each individual can be seen as part of a network of social interactions varying in strength, type and dynamic. The structure of this network can deeply impact the ecology and evolution of individuals, populations and species. Within a group social interactions can take many forms and may significantly affect an individual's fitness. These interactions may result in complex systems at the group-level, such as in the case of collective decisions (to migrate, to build nest or to forage). Among them, social transmission of information has

vertebrates: fish, birds and mammals including humans. In insects, social learning has been unambiguously demonstrated in social Hymenoptera but this probably reflects limited research effort and recent evidence show that even non-eusocial insects such as *Drosophila*, cockroaches and crickets can copy the behaviour of others. Compared to individual learning, which requires a trial and error period every generation, social learning can potentially result in the stable transmission of behaviours across generations, leading to cultural traditions in some species. The study of the processes which may facilitate or prevent this transmission and the analyses of the relationship between social network structure and efficiency of social transmission became these recent years an emerging and promising field of research. The goal of this research topic is to present the genetic and socio-environmental factors affecting social interaction and information or pathogen

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transmission with the integration of experimental approaches, social network analyses and modelling. Importantly, we aim to understand whether a relationship between social network structures and dynamics can reflect the efficiency of social transmission, i.e. can we use social network analysis to predict the social transmission of information or of pathogen, collective decision-making and ultimately the evolutionary trajectory of a group?

### **The Making of a Transnational Capitalist Class**

William K. Carroll  
2013-04-04 Throughout the world, there has been a growing wave of interest in global corporate power and the rise of a transnational capitalist class, triggered by economic and political transformations that have blurred national borders and disembedded corporate business from national domiciles. Using social network analysis, William Carroll maps the changing field of power generated by elite

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relations among the world's largest corporations and related political organizations. Carroll provides an in-depth analysis that spans the three decades of the late 20th and early 21st century, when capitalist globalization attained unprecedented momentum, propelled both by the transnationalization of accumulation and by the political paradigm of transnational neoliberalism. This has been an era in which national governments have deregulated capital, international institutions such as the World Trade Organization and the World Economic Forum have gained prominence, and production and finance have become more fully transnational, increasing the structural power of capital over communities and workers. Within this context of transformation, the book charts the making of a transnational capitalist class, reaching beyond national forms of capitalist class organization into a global field, but facing spirited opposition from below

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in an ongoing struggle that is also a struggle over alternative global futures.

### **Performing Global Networks**

Karen Fricker 2009-03-26

Networks are everywhere: from migrant organisations to information technology, from business to social movements, from international governance to global non-governmental organisations, from theatrical collectives to fan clubs, from memory sites to narrative circles. The portmanteau terms networks, and more specifically, global networks, seem to have become the mots du jour in contemporary cultural and social studies. But what cultural, social and political work do global networks accomplish: what is the work of these networks? This path-breaking collection follows Graeme Thompson's rallying cry for a clearer analytical approach to the ways in which networks are 'enacted, assembled, conducted, and performed.' In its thirteen chapters, scholars from a variety of fields - sociology,

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studies, peace studies, history, and musicology - as well as social and cultural activists, explore the multiple meanings of global networks and performance.

### **Complex Networks & Their Applications V**

Hocine Cherifi 2016-11-25 This book highlights cutting-edge research in the field of network science, offering scientists, researchers and graduate students a unique opportunity to catch up on the latest advances in theory and a multitude of applications. It presents the peer-reviewed proceedings of the fifth International Workshop on Complex Networks & their Applications (COMPLEX NETWORKS 2016), which took place in Milan during the last week of November 2016. The carefully selected papers are divided into 11 sections reflecting the diversity and richness of research areas in the field. More specifically, the following topics are covered: Network models; Network measures; Community structure; Network dynamics; Diffusion, epidemic

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spreading processes; Resilience and control; Network visualization; Social and political networks; Networks in finance and economics; Biological and ecological networks; and Network analysis.

Routledge Handbook of World-Systems Analysis Salvatore J. Babones 2012 This volume reviews the state of the field of world-systems analysis. World-systems analysts study the structure of the relationships among people, organisations, and states and how those relationships change over time.

Social Dominance Jim Sidanius 2001-02-12 This volume focuses on two questions: why do people from one social group oppress and discriminate against people from other groups? and why is this oppression so mind numbingly difficult to eliminate? The answers to these questions are framed using the conceptual framework of social dominance theory. Social dominance theory argues that the major forms of intergroup conflict,

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patriarchy, are all basically derived from the basic human predisposition to form and maintain hierarchical and group-based systems of social organization. In essence, social dominance theory presumes that, beneath major and sometimes profound difference between different human societies, there is also a basic grammar of social power shared by all societies in common. We use social dominance theory in an attempt to identify the elements of this grammar and to understand how these elements interact and reinforce each other to produce and maintain group-based social hierarchy.

**Understanding the Dynamics of Global Inequality** Alexander Lenger 2014-12-03 Despite the fact that the globalization process tends to reinforce existing inequality structures and generate new areas of inequality on multiple levels, systematic analyses on this very important field remain scarce. Hence, this book

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approaches the complex question of inequality not only from different regional perspectives, covering Africa, Asia, Europe, Latin and Northern America, but also from different disciplinary perspectives, namely cultural anthropology, economics, ethnology, geography, international relations, sociology, and political sciences. The contributions are subdivided into three essential fields of research: Part I analyzes the socio-economic dimension of global exclusion, highlighting in particular the impacts of internationalization and globalization processes on national social structures against the background of theoretical concepts of social inequality. Part II addresses the political dimension of global inequalities. Since the decline of the Soviet Union new regional powers like Brazil, China, India and South Africa have emerged, creating power shifts in international relations that are the primary focus of the second part. Lastly, Part III

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transnational dimension of inequality patterns, which can be concretized in the rise of globalized national elites and the emergence of multinational networks that transcend the geographical and imaginative borders of nation states.

### **World Cities in a World-System**

Paul Leslie Knox  
1995-07-06 Cities such as New York, Tokyo and London are the centres of transnational corporate headquarters, of international finance, transnational institutions, and telecommunications. They are the dominant loci in the contemporary world economy, and the influence of a relatively small number of cities within world affairs has been a feature of the shift from an international to a more global economy which took place during the 1970s and 1980s. This book brings together the leading researchers in the field to write seventeen original essays which cover both the theoretical and practical issues involved. They examine the nature of world cities, and their demands as special places if

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need of specific urban policies; the relationship between world cities within global networks of economic flows; and the relationship between world city research and world-systems analysis and other theoretical frameworks.

Evolution of Social Networks

Patrick Doreian 2013-02-01 This book answers the question of whether we can apply evolutionary theories to our understanding of the development of social structures. Social networks have increasingly become the focus of many social scientists as a way of analyzing these social structures. While many powerful network analytic tools have been developed and applied to a wide range of empirical phenomena, understanding the evolution of social organization still requires theories and analyses of social network evolutionary processes. Researchers from a variety of disciplines have combined their efforts in what is an indication of some very promising future research and the work represented in this

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volume provides a basis for a sustained analysis of the evolution of social life.

**New Contributions to  
Transportation Analysis in  
Europe** Michel Beuthe

2018-10-11 First published in 1999, this volume responded to the drastic fluctuations in policy changes within the European Union and explored the potential for the various transportation framework programmes financed by the European Commission. The contributors offer an array of recent advances in transportation with a particular focus on Europe. Areas explored include sustainability, multimodal transport policy, freight transport services, transport telematics, regionalism, transalpine freight transport, just-in-time production and the integration of strategic infrastructure networks in Europe.

**Animal Communication  
Networks** P. K. McGregor

2005-03-31 Most animal communication has evolved and now takes place in the context of a community

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network, i.e. several signallers and receivers within communication range of each other. This idea follows naturally from the observation that many signals travel further than the average spacing between animals. This is self evidently true for long-range signals, but at a high density the same is true for short-range signals (e.g. begging calls of nestling birds). This book provides a current summary of research on communication networks and appraises future prospects. It combines

information from studies of several taxonomic groups (insects to people via fiddler crabs, fish, frogs, birds and mammals) and several signalling modalities (visual, acoustic and chemical signals). It also specifically addresses the many areas of interface between communication networks and other disciplines (from the evolution of human charitable behaviour to the psychophysics of signal perception, via social behaviour, physiology and mathematical models).