

The Transsexual Scientist The Causation And Experience Of Transgenderism And Transsexualism

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Understanding Gender Dysphoria - Mark A. Yarhouse 2015-05-22
Gender and sexual identity are immensely complicated topics. An expert on human sexuality, Mark Yarhouse offers a Christian perspective of transgender identity that eschews simplistic answers, engages the latest research and listens to people's stories. This accessible guide challenges Christians to rise above the politics and come alongside individuals navigating these issues.

Handbook of Psychology and Sexual Orientation - Charlotte J. Patterson, Ph.D. 2013

The first authoritative summary of its kind in this area, the Handbook of Psychology and Sexual Orientation is the primary resource for the many researchers, including a new generation of investigators, who are continuing to advance understanding in this field. The volume editors along with other leading experts, contribute an extraordinary review of contemporary psychological research and theory on sexual orientation in their specific fields of work.

Philosophical Issues in Sport Science - Emily Ryall 2020-02-18

The role and value of science within sport increases with ever greater professionalization and commercialization. Scientific and technological innovations are devised to increase performance, ensure greater accuracy of measurement and officiating, reduce risks of harm, enhance spectatorship, and raise revenues. However, such innovations inevitably come up against epistemological and metaphysical problems related to the nature of sport and physical competition. This Special Issue identifies and explores key and contemporary philosophical issues in relation to the science of sport and exercise. It is divided into three sections: 1.

Scientific evidence, causation, and sport; 2. Science technology and sport officiating; and 3. Scientific influences on the construction of sport. It brings together scholars working on philosophical problems in sport to examine issues related to the values and assumptions behind sport and exercise science and key problems resulting from these and to provide recommendations for improving its practice.

Whipping Girl - Julia Serano 2016-03-08

"A foundational text for anyone hoping to understand transgender politics and culture in the U.S. today." —NPR Named as one of 100 Best Non-Fiction Books of All Time by Ms. Magazine Julia Serano shares her experiences and insights—both pre- and post-transition—to reveal the ways in which fear, suspicion, and dismissiveness toward femininity shape our societal attitudes toward trans women, as well as gender and sexuality as a whole. Serano's well-honed arguments and pioneering advocacy stem from her ability to bridge the gap between the often-disparate biological and social perspectives on gender. In this provocative manifesto, she exposes how deep-rooted the cultural belief is that femininity is frivolous, weak, and passive. In addition to debunking popular misconceptions about being transgender, Serano makes the case that today's feminists and transgender activists must work to embrace and empower femininity—in all of its wondrous forms.

Transgender Health and Medicine: History, Practice, Research, and the Future - Dana Jennett Bevan Ph.D. 2019-07-26

This text starts with the history of transgender science and provides current, evidence-based information on theories and treatment procedures, concluding with projections of future scientific developments. • Offers comprehensive, evidence-based scientific information • Contains a glossary of key terms • Provides a resource list for reference

The Psychobiology of Transsexualism and Transgenderism: A New View Based on Scientific Evidence - Thomas E. Bevan Ph.D. 2014-11-17

Written by a biopsychologist, this book describes and explains

transsexualism and transgenderism (TSTG) from a scientific vantage point. • Provides an unprecedented comprehensive coverage of transsexual and transgender science • Enables readers ranging from the general public to medical professionals, experimental and clinical psychologists, and policymakers with a broad understanding of transsexualism and transgenderism (TSTG) based on available scientific knowledge • Underscores how the conventional wisdom regarding the causes of transsexualism and transgenderism is wrong, and that the causal factors supported by scientific evidence are genetics and epigenetics • Supplies a balanced depiction of transsexual transition as a process that has proven to generate positive results but involves some specific health risks • Explains how the biology of TSTG people is different from non-TSTG people

The Turnaway Study - Diana Greene Foster 2021-06

"Now with a new afterword by the author"--Back cover.

The Transsexual Scientist - Dana Bevan 2013

Have you ever wondered what the experience of transsexualism or transgenderism (TSTG) is like or what causes these phenomena? This book provides answers to these questions by creating a new genre of literature that incorporates both autobiography and understandable science. The autobiographical information is based on self-observations of a Ph.D. psychologist and extends for over fifty years from her discovery at age 4 that she was a transsexual. The scientific analysis is organized to parallel the autobiographical story. This book is intended for those with personal or professional interest in TSTG or those interested in a tale of self-discovery. As a scientist, the author has spent 7 years critically reviewing over 2700 scientific articles and has found over 60 proposed causes of TSTG. Like a detective story, most of these candidate "suspects" can be eliminated by analyzing the available scientific evidence. These include many of the most commonly believed causal factors, including lifestyle choice, sexual fetish, prenatal hormone levels, mental disorder, and a "gender center" in the brain. Her analysis reveals two likely causal factors that can work together or separately to produce TSTG.

Hume and the Problem of Causation - Tom L. Beauchamp 1981

Philosophy of Science - Alexander Rosenberg 2000

Identifies the philosophical problems that science raises through an examination of questions about its nature, methods and justification. A valuable introduction for science and philosophy students alike.

Transgender Marxism - Jules Joanne Gleeson 2021-05-20

Transgender Marxism is the first volume of its kind, offering a provocative and groundbreaking synthesis of transgender studies and Marxist theory. Reflecting on the relations between gender and labour, it shows how these linked phenomena structure antagonisms in particular social and historical situations. While no one is spared gendered conditioning, the contributors argue that transgender people nonetheless face particular pressures, oppressions and state persecution. The collection makes a particular contribution to Marxist feminism and social reproduction theory, through both personal and analytic examinations of the social activity demanded of trans people around the world. Exploring trans lives and movements through a Marxist lens, the book also assesses the particular experience of surviving as trans in light of the totality of gendered experience under capitalism. Twinning Marxism with other schools of thought - including psychoanalysis, phenomenology and Butlerian performativity - Transgender Marxism ultimately offers an insight into transgender experience, and an exciting renewal of Marxist theory itself.

Transgender Medicine - Leonid Poretsky 2019-02-22

Although transgender persons have been present in various societies throughout human history, it is only during the last several years that they have become widely acknowledged in our society and their right to quality medical care has been established. In the United States, endocrinologists have been providing hormonal therapy for transgender individuals for decades; however, until recently, there has been only limited literature on this subject, and non-endocrine aspects of medical care for transgender individuals have not been well addressed in the endocrine literature. The goal of this volume is not only to address the latest in hormonal therapy for transgender individuals (including pediatric and geriatric age groups), but also to familiarize the reader with other aspects of transgender care, including primary and surgical care, fertility preservation, and the management of HIV infection. In addition to medical issues, psychological, social, ethical and legal issues pertinent to transgender individuals add to the complexities of successful treatment of these patients. A final chapter includes extensive additional resources for both transgender patients and providers. Thus, an endocrinologist providing care to a transgender person will be able to use this single resource to address most of the patient's needs. While Transgender Medicine is intended primarily for endocrinologists, this book will be also useful to primary care physicians, surgeons providing gender-confirming procedures, mental health professionals participating in the care of transgender persons, and medical residents and students.

Depth - Michael Strevens 2008

Strevens proposes a novel theory of scientific explanation and understanding that overhauls and augments the familiar causal approach to explanation. The result is an account of explanation that has especially significant consequences for the higher-level sciences: biology, psychology, economics, and other social sciences.

Identity, Cause, and Mind - Sydney Shoemaker 2003

This is an expanded edition of Sydney Shoemaker's seminal collection of his work on interrelated issues in the philosophy of mind and metaphysics. It reproduces all of the original papers, many of which are now regarded as classics, and includes four papers published since the first edition appeared in 1984. Themes include the nature of self-knowledge and self-reference, personal identity, persistence over time, properties, mental states, and perceptual experience. A number of the papers, including 'Self-Reference and Self-Awareness', 'Persons and Their Pasts', 'Causality and Properties', and 'The Inverted Spectrum', have remained at the centre of discussion of their topics. Several of the essays in the original collection discuss the ways in which causal considerations enter into the individuation of properties, and three of the added essays - 'Causal and Metaphysical Necessity', 'Realization and Mental Causation', and 'On What There Are' - deal with related themes. The neo-Lockean view of personal identity presented in 'Persons and Their Pasts' is developed with a different emphasis in the added paper 'Self and Substance'. Identity, Cause, and Mind's reappearance will be warmly welcomed by scholars and students alike.

The Art of Causal Conjecture - Glenn Shafer 1996

In *The Art of Causal Conjecture*, Glenn Shafer lays out a new mathematical and philosophical foundation for probability and uses it to explain concepts of causality used in statistics, artificial intelligence, and philosophy. The various disciplines that use causal reasoning differ in the relative weight they put on security and precision of knowledge as opposed to timeliness of action. The natural and social sciences seek high levels of certainty in the identification of causes and high levels of precision in the measurement of their effects. The practical sciences -- medicine, business, engineering, and artificial intelligence -- must act on causal conjectures based on more limited knowledge. Shafer's understanding of causality contributes to both of these uses of causal reasoning. His language for causal explanation can guide statistical investigation in the natural and social sciences, and it can also be used to formulate assumptions of causal uniformity needed for decision making in the practical sciences. Causal ideas permeate the use of probability and statistics in all branches of industry, commerce, government, and science. *The Art of Causal Conjecture* shows that causal ideas can be equally important in theory. It does not challenge the maxim that causation cannot be proven from statistics alone, but by bringing causal ideas into the foundations of probability, it allows causal conjectures to be more clearly quantified, debated, and confronted by statistical evidence.

Ecology, the Ascendent Perspective - Robert E. Ulanowicz 1997

A challenge to existing Newtonian and Darwinian paradigms, *Ecology, the Ascendent Perspective* demonstrates that a theoretically reshaped science of ecology, better suited to portraying the dynamics of the

natural world, can be a more effective means of ensuring its health.

The Physical Basis of Predication - Andrew Newman 1992-10-30

This book is about the basic metaphysical concepts which apply to the world dealt with by natural science and how they have a basis in simple scientific properties and causal relations.

Affirming God's Image - J. Alan Branch 2019-06-05

What is a knowledgeable, faithfully biblical response to transgenderism? In *Affirming God's Image*, J. Alan Branch takes a fair, respectful, and factual tone in addressing this complex issue through a biblical lens.

You'll learn: Scientific research around the transgender experience An Overview of the history of transgenderism Important terminology surrounding gender issues Why people pursue gender reassignment surgery, and what happens after How to navigate conversations around this topic The book ends with two practical chapters for families and churches, giving you guiding principles for how to address this issue in a loving, Christ-honoring way. The first step to responding well to any situation is understanding it. *Affirming God's Image* equips you with the biblical, scientific, and practical knowledge you need for a wise response.

Being Transgender: What You Should Know - Thomas E. Bevan Ph.D. 2016-11-14

Written for general audiences, this unprecedented book comprehensively answers many questions about being transgender with current experiential and scientific information, including the evidence for a biological transgender predisposition. • Offers information derived from the author's review of more than 3,000 source articles and books across 22 scientific disciplines across more than 11 years—a repository of information that is likely the most comprehensive on transgender science • Represents the first book written for general audiences from the perspective of a scientist, not a clinician or advocate • Identifies the forms of rejection of transgender people sanctioned by culture and provides suggestions for dealing with them • Discusses the future of transgender people as well as that of the binary gender system in Western culture

A New Science of Life - Rupert Sheldrake 1981

Examines the limitations of mechanistic theories of life and explains the author's theory of the interconnection of living organisms

Cause and Correlation in Biology - Bill Shipley 2000-01-01

This book goes beyond the truism that 'correlation does not imply causation' and explores the logical and methodological relationships between correlation and causation. It presents a series of statistical methods that can test, and potentially discover, cause-effect relationships between variables in situations in which it is not possible to conduct randomised or experimentally controlled experiments. Many of these methods are quite new and most are generally unknown to biologists. In addition to describing how to conduct these statistical tests, the book also puts the methods into historical context and explains when they can and cannot justifiably be used to test or discover causal claims. Written in a conversational style that minimises technical jargon, the book is aimed at practising biologists and advanced students, and assumes only a very basic knowledge of introductory statistics.

Born This Way? - J. Alan Branch 2016-03-01

Lady Gaga's song "Born This Way" has become an anthem for homosexual rights, asserting in a simplistic fashion that same-sex attraction is a trait much like hair or skin color. In *Born This Way?*, the author surveys the most common scientific arguments in favor of homosexuality and respond to pro-homosexual arguments. A review of the research will show that, while there are some genetic or biological factors that correlate with a higher incidence of same-sex attraction and homosexual behavior, as of yet there is no proof of genetic or biological causation for homosexuality.

Tell Your Children - Alex Berenson 2020-02-18

In "a brilliant antidote to all the...false narratives about pot" (*American Thinker*), an award-winning author and former New York Times reporter reveals the link between teenage marijuana use and mental illness, and a hidden epidemic of violence caused by the drug—facts the media have ignored as the United States rushes to legalize cannabis. Recreational marijuana is now legal in nine states. Advocates argue cannabis can help everyone from veterans to cancer sufferers. But legalization has been built on myths—that marijuana arrests fill prisons; that most doctors want to use cannabis as medicine; that it can somehow stem the opiate epidemic; that it is beneficial for mental health. In this meticulously reported book, Alex Berenson, a former New York Times reporter, explodes those myths, explaining that almost no one is in prison for marijuana; a tiny fraction of doctors write most authorizations for medical marijuana, mostly for people who have already used; and

marijuana use is linked to opiate and cocaine use. Most of all, THC—the chemical in marijuana responsible for the drug’s high—can cause psychotic episodes. “Alex Berenson has a reporter’s tenacity, a novelist’s imagination, and an outsider’s knack for asking intemperate questions” (Malcolm Gladwell, *The New Yorker*), as he ranges from the London institute that is home to the scientists who helped prove the cannabis-psychosis link to the Colorado prison where a man now serves a thirty-year sentence after eating a THC-laced candy bar and killing his wife. He sticks to the facts, and they are devastating. With the US already gripped by one drug epidemic, *Tell Your Children* is a “well-written treatise” (Publishers Weekly) that “takes a sledgehammer to the promised benefits of marijuana legalization, and cannabis enthusiasts are not going to like it one bit” (Mother Jones).

Experience - Scott Lash 2018-06-29

This book is a radical plea for the centrality of experience in the social and human sciences. Lash argues that a large part of the output of the social sciences today is still shaped by assumptions stemming from positivism, in contrast to the tradition of interpretative social enquiry pioneered by Max Weber. These assumptions are particularly central to economics, with its emphasis on homo economicus, the utility-maximizing actor, but they have infiltrated the other social sciences too. Lash argues for a social sciences based not in positivism’s utilitarian a priori but instead in the a posteriori of grounded and embedded subjective experience. His wide-ranging account starts from considerations of ancient experience via Aristotle’s technics, continues through a politics of Hannah Arendt’s ‘a posteriori’ public sphere and concludes with the contemporary - with technological experience, on the one hand, and with Chinese post-ontological thought, in which the ‘ten thousand things’ themselves are doing the experiencing, on the other. This original book by a leading social and cultural theorist will be of great interest to students and scholars in sociology, cultural studies and throughout the social sciences.

Irreversible Damage - Abigail Shrier 2020-06-30

NAMED A BOOK OF THE YEAR BY THE ECONOMIST AND ONE OF THE BEST BOOKS OF 2021 BY THE TIMES AND THE SUNDAY TIMES
"Irreversible Damage . . . has caused a storm. Abigail Shrier, a Wall Street Journal writer, does something simple yet devastating: she rigorously lays out the facts." —Janice Turner, *The Times of London*
Until just a few years ago, gender dysphoria—severe discomfort in one’s biological sex—was vanishingly rare. It was typically found in less than .01 percent of the population, emerged in early childhood, and afflicted males almost exclusively. But today whole groups of female friends in colleges, high schools, and even middle schools across the country are coming out as “transgender.” These are girls who had never experienced any discomfort in their biological sex until they heard a coming-out story from a speaker at a school assembly or discovered the internet community of trans “influencers.” Unsuspecting parents are awakening to find their daughters in thrall to hip trans YouTube stars and “gender-affirming” educators and therapists who push life-changing interventions on young girls—including medically unnecessary double mastectomies and puberty blockers that can cause permanent infertility. Abigail Shrier, a writer for the Wall Street Journal, has dug deep into the trans epidemic, talking to the girls, their agonized parents, and the counselors and doctors who enable gender transitions, as well as to “detransitioners”—young women who bitterly regret what they have done to themselves. Coming out as transgender immediately boosts these girls’ social status, Shrier finds, but once they take the first steps of transition, it is not easy to walk back. She offers urgently needed advice about how parents can protect their daughters. A generation of girls is at risk. Abigail Shrier’s essential book will help you understand what the trans craze is and how you can inoculate your child against it—or how to retrieve her from this dangerous path.

The Secret Connexion - Galen Strawson 1989

It is widely supposed that David Hume invented and espoused the "regularity" theory of causation, holding that causal relations are nothing but a matter of one type of thing being regularly followed by another. It is also widely supposed that he was not only right about this, but that it was one of his greatest contributions to philosophy. Strawson here argues that the regularity theory of causation is indefensible, and that Hume never adopted it in any case. Strawson maintains that Hume did not claim that causation in the natural world is just a matter of regular succession, that such a dogmatic metaphysical claim about the nature of reality would have been utterly contrary to his fundamental philosophical principles, and that he rightly took it for granted that there was more to causation than regularity of succession, claiming only that regularity of

succession was all that we could ever know of causation.

Bergin and Garfield's Handbook of Psychotherapy and Behavior Change - Michael Barkham 2021-10-11

Celebrating the 50th anniversary of a best-selling and renowned reference in psychotherapy research and practice. Now celebrating its 50th anniversary and in its seventh edition, Bergin and Garfield's Handbook of Psychotherapy and Behavior Change, maintains its position as the essential reference volume for psychotherapy research. This bestselling reference remains the most important overview of research findings in psychotherapy. It is a rigorous and evidence-based text for academics, researchers, practitioners, and students. In recognition of the 50th anniversary, this edition contains a Foreword by Allen Bergin while the Handbook covers the following main themes: historical and methodological issues, measuring and evidencing change in efficacy and practice-based research, therapeutic ingredients, therapeutic approaches and formats, increasing precision and scale of delivery, and future directions in the field of psychotherapy research. Chapters have either been completely rewritten and updated or comprise new topics by contributors including: Characteristics of effective therapists Mindfulness and acceptance-based therapies Personalized treatment approaches The internet as a medium for treatment delivery Models of therapy and how to scale up treatment delivery to address unmet needs The newest edition of this renowned Handbook offers state-of-the-art updates to the key areas in psychotherapy research and practice today. Over 60 authors, experts in their fields, from over 10 countries have contributed to this anniversary edition, providing in-depth, measured and insightful summaries of the current field.

The Four-Category Ontology - E. J. Lowe 2006

E. J. Lowe sets out and defends his theory of what there is. His four-category ontology is a metaphysical system that recognizes two fundamental categorial distinctions which cut across each other to generate four fundamental ontological categories. The distinctions are between the particular and the universal and between the substantial and the non-substantial. The four categories thus generated are substantial particulars, non-substantial particulars, substantial universals and non-substantial universals. Non-substantial universals include properties and relations, conceived as universals. Non-substantial particulars include property-instances and relation-instances, otherwise known as non-relational and relational tropes or modes. Substantial particulars include property-instances, the paradigm examples of which are persisting, concrete objects. Substantial universals are otherwise known as substantial kinds and include as paradigm examples natural kinds of persisting objects. This ontology has a lengthy pedigree, many commentators attributing it to Aristotle on the basis of certain passages in his apparently early work, the Categories. At various times during the history of Western philosophy, it has been revived or rediscovered, but it has never found universal favour, perhaps on account of its apparent lack of parsimony as well as its commitment to universals. In pursuit of ontological economy, metaphysicians have generally preferred to recognize fewer than four fundamental ontological categories. However, Occam's razor stipulates only that we should not multiply entities beyond necessity; Lowe argues that the four-category ontology has an explanatory power unrivalled by more parsimonious systems, and that this counts decisively in its favour. He shows that it provides a powerful explanatory framework for a unified account of causation, dispositions, natural laws, natural necessity and many other related matters, such as the semantics of counterfactual conditionals and the character of the truthmaking relation. As such, it constitutes a thoroughgoing metaphysical foundation for natural science.

The Transsexual Empire - Janice G. Raymond 1979

This book will be used as a text in women's studies, psychology, sociology, technology and public policy, as well as by medical students, law students, and all who have an interest in feminist issues.

American Eugenics - Nancy Ordover 2003

Traces the history of eugenics ideology in the United States and its ongoing presence in contemporary life. The Nazis may have given eugenics its negative connotations, but the practice--and the "science" that supports it--is still disturbingly alive in America in anti-immigration initiatives, the quest for a "gay gene," and theories of collective intelligence. Tracing the historical roots and persistence of eugenics in the United States, Nancy Ordover explores the political and cultural climate that has endowed these campaigns with mass appeal and scientific legitimacy. American Eugenics demonstrates how biological theories of race, gender, and sexuality are crucially linked through a concern with regulating the "unfit." These links emerge in Ordover's

examination of three separate but ultimately related American eugenics campaigns: early twentieth-century anti-immigration crusades; medical models and interventions imposed on (and sometimes embraced by) lesbians, gays, transgendered people, and bisexuals; and the compulsory sterilization of poor women and women of color. Throughout, her work reveals how constructed notions of race, gender, sexuality, and nation are put to ideological uses and how "faith in science" can undermine progressive social movements, drawing liberals and conservatives alike into eugenics-based discourse and policies.

Causation in International Relations - Milja Kurki 2008-04-03

World political processes, such as wars and globalisation, are engendered by complex sets of causes and conditions. Although the idea of causation is fundamental to the field of International Relations, what the concept of cause means or entails has remained an unresolved and contested matter. In recent decades ferocious debates have surrounded the idea of causal analysis, some scholars even questioning the legitimacy of applying the notion of cause in the study of International Relations. This book suggests that underlying the debates on causation in the field of International Relations is a set of problematic assumptions (deterministic, mechanistic and empiricist) and that we should reclaim causal analysis from the dominant discourse of causation. Milja Kurki argues that reinterpreting the meaning, aims and methods of social scientific causal analysis opens up multi-causal and methodologically pluralist avenues for future International Relations scholarship.

You and Your Gender Identity - Dara Hoffman-Fox 2017-09-26

With exercises and self-care practices, "this book is for anyone who wants to explore their gender more deeply" (Sam Dylan Finch, transgender writer and activist). Are you wrestling with questions surrounding your gender that just don't seem to go away? Do you want answers to questions about your gender identity, but aren't sure how to get started? In this groundbreaking guide, Dara Hoffman-Fox, LPC—accomplished gender therapist and thought leader whose articles, blogs, and videos have empowered thousands worldwide—helps you navigate your journey of self-discovery in three approachable stages: preparation, reflection, and exploration. In *You and Your Gender Identity*, you will learn: Why understanding your gender identity is core to embracing your full being How to sustain the highs and lows of your journey with resources, connection, and self-care How to uncover and move through your feelings of fear, loneliness, and doubt Why it's important to examine your past through the lens of gender exploration How to discover and begin living as your authentic self What options you have after making your discoveries about your gender identity

Causation, Coherence and Concepts - W. Spohn 2008-11-14

In this collection I present 16 of my, I feel, more substantial papers on theoretical philosophy, 12 as originally published, one co-authored with Ulrike Haas-Spohn (Chapter 14), one (Chapter 15) that was a brief conference commentary, but is in fact a suitable appendix to Chapter 14, one as a translation of a German paper (Chapter 12), and one newly written for this volume (Chapter 16), which, however, is only my recent attempt to properly and completely express an argument I had given in two earlier papers. I gratefully acknowledge permission of reprint from the relevant publishers at the beginning of each paper. In disciplinary terms the papers cover epistemology, general philosophy of science, philosophy of language, and philosophy of mind. The section titles *Belief*, *Causation*, *Laws*, *Coherence*, and *Concepts* and the paper titles give a more adequate impression of the topics dealt with. The papers are tightly connected. I feel they might be even read as unfolding a program, though this program was never fully clear in my mind and still isn't. In the Introduction I attempt to describe what this program might be, thus drawing a reconstructed red thread, or rather two red threads, through all the papers. This will serve, at the same time, as an overview over the papers collected.

Physical Causation - Phil Dowe 2000-07-03

Physical Causation discusses in a systematic way an original, positive account of causation: the conserved quantities account of causal processes that Phil Dowe has been developing over the past ten years. Dowe offers a clear and original account of causation based firmly in contemporary science. This is an important, original book that will be widely discussed among philosophers and students working in contemporary metaphysics and philosophy of science, and also scientists with an interest in foundational issues.

Causation, Prediction, and Search - Peter Spirtes 2000

What assumptions and methods allow us to turn observations into causal knowledge, and how can even incomplete causal knowledge be used in planning and prediction to influence and control our environment? In this

book Peter Spirtes, Clark Glymour, and Richard Scheines address these questions using the formalism of Bayes networks, with results that have been applied in diverse areas of research in the social, behavioral, and physical sciences. The authors show that although experimental and observational study designs may not always permit the same inferences, they are subject to uniform principles. They axiomatize the connection between causal structure and probabilistic independence, explore several varieties of causal indistinguishability, formulate a theory of manipulation, and develop asymptotically reliable procedures for searching over equivalence classes of causal models, including models of categorical data and structural equation models with and without latent variables. The authors show that the relationship between causality and probability can also help to clarify such diverse topics in statistics as the comparative power of experimentation versus observation, Simpson's paradox, errors in regression models, retrospective versus prospective sampling, and variable selection. The second edition contains a new introduction and an extensive survey of advances and applications that have appeared since the first edition was published in 1993.

Causality in Sociological Research - Jakub Karpinski 1990-05-31

The general treatment of problems connected with the causal conditioning of phenomena has traditionally been the domain of philosophy, but when one examines the relationships taking place in the various fields, the study of such conditionings belongs to the empirical sciences. Sociology is no exception in that respect. In that discipline we note a certain paradox. Many problems connected with the causal conditioning of phenomena have been raised in sociology in relatively recent times, and that process marked its empirical or even so-called empiricist trend. That trend, labelled positivist, seems in this case to be in contradiction with a certain type of positivism. Those authors who describe positivism usually include the Humean tradition in its genealogy and, remembering Hume's criticism of the concept of cause, speak about positivism as about a trend which is inclined to treat lightly the study of causes and confines itself to the statements on co-occurrence of phenomena.

Communities in Action - National Academies of Sciences, Engineering, and Medicine 2017-04-27

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. *Communities in Action: Pathways to Health Equity* seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

Research Design - John W. Creswell 2017-11-27

This best-selling text pioneered the comparison of qualitative, quantitative, and mixed methods research design. For all three approaches, John W. Creswell and new co-author J. David Creswell include a preliminary consideration of philosophical assumptions, key elements of the research process, a review of the literature, an assessment of the use of theory in research applications, and reflections about the importance of writing and ethics in scholarly inquiry. The Fifth Edition includes more coverage of: epistemological and ontological positioning in relation to the research question and chosen methodology; case study, PAR, visual and online methods in qualitative research; qualitative and quantitative data analysis software; and in quantitative methods more on power analysis to determine sample size, and more coverage of experimental and survey designs; and updated with the latest thinking and research in mixed methods. SHARE this Comparison of Research Approaches poster with your students to help them navigate the distinction between the three approaches to research.

Galileo's Middle Finger - Alice Dreger 2016-04-05

"Galileo's Middle Finger is historian Alice Dreger's eye-opening story of life in the trenches of scientific controversy. Dreger's chronicle begins

with her own research into the treatment of people born intersex (once called hermaphrodites). Realization of the shocking surgical and ethical abuses conducted in the name of "normalizing" intersex children's gender identities moved Dreger to become an internationally recognized patient rights activist. But even as the intersex rights movement succeeded, Dreger began to realize how some fellow activists were using lies and personal attacks to silence scientists whose data revealed uncomfortable truths about humans. In researching one case, Dreger suddenly became a target of just these kinds of attacks. Troubled, she decided to try to understand more -- to travel the country and seek a global view of the nature and costs of these damaging battles. Galileo's Middle Finger describes Dreger's long and harrowing journeys between the two camps for which she felt equal empathy: social justice activists

determined to win and researchers determined to put hard truths before comfort. What emerges is a lesson about the intertwining of justice and truth-- and about the importance of responsible scholars and journalists to our fragile democracy." --

The Double-edged Helix - Joseph S. Alper 2002

"Bringing the concerns of different communities together in a single volume makes it possible to appreciate the mosaic of human issues more fully and forces us to anticipate the challenges that may arise -- and that will require our attention -- as the genetic revolution proceeds." -- JAMA
"A cautious look at the effects of genetic discoveries on society... The issues raised by this book are valid, and all scientists should be aware of them. I often found myself nodding in agreement." -- New England Journal of Medicine