Perceiving geometry geometrical illusions explained by natural scene statistics [PDF]

originally published in 1986 all students of social science must confront a number of important philosophical issues this introduction to the philosophy of the social sciences provides coherent answers to questions about empiricism explanation and rationality it evaluates contemporary writings on the subject which can be as difficult as they are important to understand each chapter has an annotated bibliography to enable students to pursue the issues raised and to assess for themselves the arguments of the authors economical questions indisputably occupy a central place in everyday life in order to clarify these questions people generally turn to those who are familiar with economics in answering such legitimate questions economists propose explanations which rest on a few principles among which the rationality principle is by far the most fundamental this principle assumes that people are rational but what is meant by this has to be specified rationality and explanation in economics claims that only a minimal kind of rationality is required to animate economic explanations however such a conception of rationality faces serious objections it is closely associated with harshly criticised methodological individualism and it is not easily disentangled from sheer irrationality the book answers these objections and shows that the economists way of mobilising the concepts of maximization or of consistency for defining rationality raises more serious problems since the latter have encouraged various attempts to downgrade or even to dispense with the very notion of rationality the book is largely devoted to countering arguments associated with these attempts and to show why postulating that agents are rational is still the only efficient way to explain economic phenomena as such the author also proposes original views about the role of rationality the meaning of methodological individualism the relevance of the selection argument and the relation between rational explanations of economics and explanations in natural sciences when it comes to james joyce s landmark work ulysse the influence of three literary giants homer shakespeare and dante cannot be overlooked examining joyce in terms of homeric narrative dantesque structure and shakespearean plot weir rediscovers joyce s novel through the lens of his renowned predecessors with contributions from founders of the field including justin barrett e thomas lawson robert n mccauley paschal boyer armin geertz and harvey whitehouse as well as from younger scholars from successive stages in the field s development this is an important survey of the first twenty five years of the cognitive science of religion each chapter provides the author s views on the contributions the cognitive science of religion has made to the academic study of religion as well as any shortcomings in the field and challenges for the future religion explained the cognitive science of religion after twenty five years calls attention to the field whilst providing an accessible and diverse survey of approaches from key voices as well as offering suggestions for further research within the field this book is essential reading for anyone in religious studies anthropology and the scientific study of religion what is the number one how can we be sure that 2 2 4 these apparently simple questions have perplexed philosophers for thousands of years but discussion of them was transformed by the german philosopher gottlob frege 1848 1925 frege pronounced fra guh believed that arithmetic and all mathematics are derived from logic and to prove this he developed a completely new approach to logic and numbers joan weiner presents a very clear outline of frege s life and ideas showing how his thinking evolved through successive books and articles this classic is organized as follows devotions i prayers and precepts of the church ii prayers which may be used daily at different times iii prayers to be said at different times when the church bell is heard iv devotions for confession and communion vi special prayers introduction i for what end are we on this earth ii how are we to attain to eternal happiness iii can we attain perfect happiness on earth iv faith the knowledge of god ii divine revelation iii the preaching of the gospel iv holy scripture and tradition v the christian faith vi the motives of faith vii on the absence and loss of faith viii on the duty of confessing our faith ix the sign of the cross x the apostles creed introduction i for what end are we on this earth ii how are we to attain to eternal happiness iii can we attain perfect happiness on earth iv faith the knowledge of god ii divine revelation iii the preaching of the gospel iv holy scripture and tradition v the christian faith vi the motives of faith vii on the absence and loss of faith viii on the duty of confessing our faith ix the sign of the cross x the apostles creed part ii a the commandments b good works virtue sin vice c christian perfection part iii the means of grace i the holy sacrifice of the mass ii the sacraments iii the sacramentals iv prayer for some years we have been conducting at the university of haifa an interdisciplinary seminar on explanation in philosophy and psychology we habitually begin the seminar with some philosophical reflections on explanation an analysis of the concept and its metaphysical underpinnings we discuss the various models and proceed to examine explanation in the setting of psychology thus from the outset we have focused not only on the concept itself but also on its application the objective that we have set for the seminar attended by students from both departments philosophy and psychology has been a critical understanding of the concept of explanation its use and limitations we were keen on deepening our understanding of the concept and on exploring its applications in fields of knowledge other than psychology this was the motivation for convening an international conference on explanation and its application the conference took place in the spring of 1998 under the auspices of the university of haifa the present book is the fruit of this meeting the reader should note that the second part of the introduction presents a detailed analytical account of the book we hope that this overview will facilitate efficient use of the book by directing the reader s
attention to those issues that might be of interest to him or her this open access book provides an exploration of the consequences of the ontological differences between natural and social objects sometimes described as objects of nature and objects of thought in the workings of causal and agency relationships one of its important and possibly original conclusions is that causal and agency relationships do not encompass all of the dependent relationships encountered in social life the idea that social reality is contingent has been known and largely undisputed at least since wittgenstein s certainty but social science and most notably economics has continued to operate on the basis of causal and agency theories borrowed or adapted from the natural sciences this volume contains essays that retain and justify the partial or qualified use of this approach and essays that totally reject any use of causal and agency theory built on determined facts closed systems the rejection is based on the possibly original claim that whereas causation in the objects of the natural sciences reside in their properties human action is a matter of intentionality it engages with critical realist theory and re examines the role of free will in theories of human action in general and economic theory in particular to help teachers confidently teach mathematics in primary school this book develops their understanding of mathematical concepts and processes and how children learn them joint committee print jcs 1 00 this document prepared by the staff of the joint committee on taxation in consultation with the staffs of the house committee on ways and means and the senate committee on finance provides an explanation of tax legislation enacted in the 109th congress this document prepared by the staff of the joint committee on taxation in consultation with the staffs of the house committee on ways and means and the senate committee on finance provides an explanation of tax legislation enacted in the 109th congress the explanation follows the chronological order of the tax legislation as signed into law for each provision the document includes a description of present law explanation of the provision and effective date present law describes the law in effect immediately prior to enactment it does not reflect changes to the law made by the provision or subsequent to the enactment of the provision for many provisions the reasons for change are also included in some instances provisions included in legislation enacted in the 109th congress were not reported out of committee before enactment for example in some cases the provisions enacted were included in bills that went directly to the house and senate floors as a result the legislative history of such provisions does not include the reasons for change normally included in a committee report in the case of such provisions no reasons for change are included with the explanation of the provision in this document in some cases there is no legislative history for enacted provisions for such provisions this document includes a description of present law explanation of the provision and effective date as prepared by the staff of the joint committee on taxation in some cases contemporaneous technical explanations of certain bills were prepared and published by the staff of the joint committee in those cases this document follows the technical explanations section references are to the internal revenue code unless otherwise indicated the book begins with a comprehensive introduction to mediation analysis including chapters on concepts for mediation regression based methods sensitivity analysis time to event outcomes methods for multiple mediators methods for time varying mediation and longitudinal data and relations between mediation and other concepts involving intermediates such as surrogates principal stratification instrumental variables and mendelian randomization the second part of the book concerns interaction or moderation including concepts for interaction statistical interaction confounding and interaction mechanistic interaction bias analysis for interaction interaction in genetic studies and power and sample size calculation for interaction the final part of the book provides comprehensive discussion about the relationships between mediation and interaction and unites these concepts within a single framework how the consciousness comes into existence is the second top unanswered mystery in science the top unanswerable mystery is what is the universe made of physicalism or materialism finds itself quite inadequate to explain mental qualities and free will in terms of excitation of neurons and their modular connections untangling the mystery of consciousness has been esteemed as the proudest achievement of humankind consciousness is left as the last frontier in science whose explanation may perhaps require the conceptualisation of soul and god otherwise any divine soul or god is denied in existence as it does not fit into the known science this book explains consciousness by conceiving a scientific soul that leads to a plausible explanation for all aspects of consciousness and also leads to god this book describes and explains consciousness comprehensively its offshoot also leads us a possible explanation for near death experiences the origin of life and parapsychology this book will lead you to know your thyself it will awaken your spirit of inquiry for such questions as who am i and who is god while providing some answers also witchcraft and magical beliefs have captivated historians and artists for millennia and stimulated an extraordinary amount of research among scholars in a wide range of disciplines this new collection from the editor of the highly acclaimed 1992 set articles on witchcraft magic and demonology extends the earlier volumes by bringing together the most important articles of the past twenty years and covering the profound changes in scholarly perspective over the past two decades featuring thematically organized papers from a broad spectrum of publications the volumes in this set encompass the key issues and approaches to witchcraft research in fields such as gender studies anthropology sociology literature history psychology and law this new collection provides students and researchers with an invaluable resource comprising the most important and influential discussions on this topic a useful introductory essay written by the editor precedes each volume explanation based learning ebl can generally be viewed as substituting background knowledge for the large training set of exemplars needed by conventional or empirical machine learning systems the background knowledge is used automatically to construct an explanation of a few training exemplars the learned concept is generalized directly from this explanation the first ebl systems of the modern era were mitchell s
lex2 silver s lp and de jong s kidnap natural language system two of these systems mitchell s and de jong s have led to extensive follow up research in ebl this book outlines the significant steps in ebl research of the illinois group under de jong this volume describes theoretical research and computer systems that use a broad range of formalisms schemas production systems qualitative reasoning models non monotonic logic situation calculus and some home grown ad hoc representations this has been done consciously to avoid sacrificing the ultimate research significance in favor of the expediency of any particular formalism the ultimate goal of course is to adopt or devise the right formalism during the last few centuries natural philosophers and more recently vision scientists have recognized that a fundamental problem in biological vision is that the sources underlying visual stimuli are unknowable in any direct sense because of the inherent ambiguity of the stimuli that impinge on sensory receptors the light that reaches the eye from any scene conflates the contributions of reflectance illumination transmittance and subsidiary factors that affect these primary physical parameters spatial properties such as the size distance and orientation of physical objects are also conflated in light stimuli as a result the provenance of light reaching the eye at any moment is uncertain this quandary is referred to as the inverse optics problem this book considers the evidence that the human visual system solves this problem by incorporating past human experience of what retinal images have typically corresponded to in the real world in to explain the world pre eminent theoretical physicist steven weinberg offers a rich and irreverent history of science from a unique perspective that of a scientist moving from ancient miletus to medieval baghdad to oxford and from the museum of alexandria to the royal society of london he shows that the scientists of the past not only did not understand what we understand about the world they did not understand what there is to understand yet eventually through the struggle to solve such mysteries as the backward movement of the planets and the rise and fall of tides the modern discipline of science emerged gertrude stein s composition as explanation delves into the intricate relationship between language and artistic expression published in 1926 the essay explores stein s unique approach to writing and challenges conventional perceptions of composition with a distinctive prose style she reflects on the nature of creativity emphasizing the significance of repetition and abstraction stein s work serves as both an exploration of her own artistic process and a broader commentary on the essence of language in shaping our understanding of art explanations are important to us in many contexts in science mathematics philosophy and also in everyday and juridical contexts but what is an explanation in the philosophical study of explanation there is long standing influential tradition that links explanation intimately to causation we often explain by providing accurate information about the causes of the phenomenon to be explained such causal accounts have been the received view of the nature of explanation particularly in philosophy of science since the 1980s however philosophers have recently begun to break with this causal tradition by shifting their focus to kinds of explanation that do not turn on causal information the increasing recognition of the importance of such non causal explanations in the sciences and elsewhere raises pressing questions for philosophers of explanation what is the nature of non causal explanations and which theory best captures it how do non causal explanations relate to causal ones how are non causal explanations in the sciences related to those in mathematics and metaphysics this volume of new essays explores answers to these and other questions at the heart of contemporary philosophy of explanation of explanation the essays address these questions from a variety of perspectives including general accounts of non causal and causal explanations as well as a wide range of detailed case studies of non causal explanations from the sciences mathematics and metaphysics this volume ii of twenty two of the social theory and methodology series originally published in 1963 the present study has as its aim the discussion of certain questions of philosophical interest as they come to be imbedded in the work of social scientists it is intended to be an essay which might be of interest to the practising scientist introduction to catholic theology is an accessible but in depth examination of the ways in which catholic theology is rooted in and informs catholic practice weaves together discussion of the bible historical texts reflections by important theologians and contemporary debates for a nuanced look at belief and practice within the catholic faith provides an overview of all major theological areas including scriptural historical philosophical systematic liturgical and moral theology appropriate for students at all levels assuming no prior knowledge yet providing enough insight and substance to interest those more familiar with the topic written in a dynamic engaging style by two professors with more than 50 years of classroom experience between them creationism on trial is langdon gilkey s fascinating blow by blow account of his experiences as a witness for the aclu at the 1981 creationist trial in little rock arkansas this courtroom drama between state supported creation science fundamentalists and aclu supported scientists theologians and liberal teachers was an engrossing spectacle at the time and has been much talked about since gilkey a renowned theological writer brings to life principal characters and entertaining anecdotes from the trial and effortlessly translates the abstract religious concepts of the case into digestable language highlighted by a new introduction that takes into account recent directions in the creationism debate this book will once again provoke discussion in classes of theology and religion in this stimulating investigation gideon freudenthal has linked social history with the history of science by formulating an interesting proposal that the supposed influence of social theory may be seen as actual through its coherence with the process of formation of physical concepts the reinterpretation of the development of science in the seventeenth century now widely influential receives at freudenthal s hand its most persuasive statement most significantly because of his attention to the theoretical form which is characteristic of classical newtonian mechanics he pursues the sources of the parallels that may be noted between that mechanics and the dominant philosophical systems and social theories of the time and in a fascinating development freudenthal shows how a quite precise
method as he descriptively labels it the analytic synthetic method which underlay the newtonian form of theoretical argument was due to certain interpretive premisses concerning particle mechanics if he is right these depend upon a particular stage of conceptual achievement in the theories of both society and nature further that the conceptual was generalized philosophically but strikingly freudenthal shows that this concept formation itself was linked to the specific social relations of the times of newton and hobbes

**Empiricism, Explanation and Rationality**

2013-04-15

originally published in 1986 all students of social science must confront a number of important philosophical issues this introduction to the philosophy of the social sciences provides coherent answers to questions about empiricism explanation and rationality it evaluates contemporary writings on the subject which can be as difficult as they are important to understand each chapter has an annotated bibliography to enable students to pursue the issues raised and to assess for themselves the arguments of the authors

**Rationality and Explanation in Economics**

2010-02-28

economical questions indisputably occupy a central place in everyday life in order to clarify these questions people generally turn to those who are familiar with economics in answering such legitimate questions economists propose explanations which rest on a few principles among which the rationality principle is by far the most fundamental this principle assumes that people are rational but what is meant by this has to be specified rationality and explanation in economics claims that only a minimal kind of rationality is required to animate economic explanations however such a conception of rationality faces serious objections it is closely associated with harshly criticised methodological individualism and it is not easily disentangled from sheer irrationality the book answers these objections and shows that the economists way of mobilising the concepts of maximization or of consistency for defining rationality raises more serious problems since the latter have encouraged various attempts to downgrade or even to dispense with the very notion of rationality the book is largely devoted to countering arguments associated with these attempts and to show why postulating that agents are rational is still the only efficient way to explain economic phenomena as such the author also proposes original views about the role of rationality the meaning of methodological individualism the relevance of the selection argument and the relation between rational explanations of economics and explanations in natural sciences

**Imaginism and Rationalism: an explanation of the origin and progress of Christianity**
when it comes to james joyce’s landmark work ulysses the influence of three literary giants homer shakespeare and dante cannot be overlooked
examining joyce in terms of homeric narrative dantesque structure and shakespearean plot weir rediscovers joyce’s novel through the lens of his
renowned predecessors

**Ulysses Explained**

2015-06-03

with contributions from founders of the field including justin barrett e thomas lawson robert n mccauley paschal boyer armin geertz and harvey
whitehouse as well as from younger scholars from successive stages in the field’s development this is an important survey of the first twenty five
years of the cognitive science of religion each chapter provides the author’s views on the contributions the cognitive science of religion has made
to the academic study of religion as well as any shortcomings in the field and challenges for the future religion explained the cognitive science of
religion after twenty five years calls attention to the field whilst providing an accessible and diverse survey of approaches from key voices as well
as offering suggestions for further research within the field this book is essential reading for anyone in religious studies anthropology and the
scientific study of religion

**The Essays; Or, Counsels, Civil and Moral**

1879

what is the number one how can we be sure that 2 2 4 these apparently ssimple questions have perplexed philosophers for thousands of years but
discussion of them was transformed by the german philosopher gottlob frege 1848 1925 frege pronounced fray guh believed that arithmetic and all
mathematics are derived from logic and to prove this he developed a completely new approach to logic and numbers joan weiner presents a very
clear outline of frege’s life and ideas showing how his thinking evolved through successive books and articles
The Apocalypse, or, Book of revelations, explained according to the spiritual sense, tr. [by W. Hill] and revised by the translator of Arcana cœlestia [J. Clowes].

1814

this classic is organized as follows: devotion i prayers and precepts of the church ii prayers which may be used daily at different times iii prayers to be said at different times when the church bell is heard iv devotions for confession and communion vi special prayers introduction i for what end are we on this earth ii how are we to attain to eternal happiness iii can we attain perfect happiness on earth part i faith i the knowledge of god ii divine revelation iii the preaching of the gospel iv holy scripture and tradition v the christian faith vi the motives of faith vii on the absence and loss of faith viii on the duty of confessing our faith ix the sign of the cross x the apostles creed part ii a the commandments b good works c virtue sin d vice part iii the means of grace i the holy sacrifice of the mass ii the sacraments iii the sacramentals iv prayer

Religion Explained?

2017-09-21

for some years we have been conducting at the university of haifa an interdisciplinary seminar on explanation in philosophy and psychology we habitually begin the seminar with some philosophical reflections on explanation an analysis of the concept and its metaphysical underpinnings we discuss the various models and proceed to examine explanation in the setting of psychology thus from the outset we have focused not only on the concept itself but also on its application the objective that we have set for the seminar attended by students from both departments philosophy and psychology has been a critical understanding of the concept of explanation its use and limitations we were keen on deepening our understanding of the concept and on exploring its applications in fields of knowledge other than psychology this was the motivation for convening an international conference on explanation and its application the conference took place in the spring of 1998 under the auspices of the university of haifa the present book is the fruit of this meeting the reader should note that the second part of the introduction presents a detailed analytical account of the book we hope that this overview will facilitate efficient use of the book by directing the reader's attention to those issues that might be of interest to him or her

The Apocalypse Explained, According to the Spiritual Sense
this open access book provides an exploration of the consequences of the ontological differences between natural and social objects sometimes described as objects of nature and objects of thought in the workings of causal and agency relationships one of its important and possibly original conclusions is that causal and agency relationships do not encompass all of the dependent relationships encountered in social life the idea that social reality is contingent has been known and largely undisputed at least since wittgenstein s on certainty but social science and most notably economics has continued to operate on the basis of causal and agency theories borrowed or adapted from the natural sciences this volume contains essays that retain and justify the partial or qualified use of this approach and essays that totally reject any use of causal and agency theory built on determined facts closed systems the rejection is based on the possibly original claim that whereas causation in the objects of the natural sciences reside in their properties human action is a matter of intentionality it engages with critical realist theory and re examines the role of free will in theories of human action in general and economic theory in particular


1840

to help teachers confidently teach mathematics in primary school this book develops their understanding of mathematical concepts and processes and how children learn them

Frege Explained

2011-04-15

joint committee print jcs 1 00 this document prepared by the staff of the joint committee on taxation in consultation with the staffs of the house committee on ways and means and the senate committee on finance provides an explanation of tax legislation enacted in the 109th congress this document prepared by the staff of the joint committee on taxation in consultation with the staffs of the house committee on ways and means and the senate committee on finance provides an explanation of tax legislation enacted in the 109th congress the explanation follows the chronological
The Apocalypse, Or Book of Revelations, Explained According to the Spiritual Sense; in which are Revealed the Arcana which are There Predicted, and Have Been Hitherto Deeply Concealed. Translated Into English from a Latin Posthumous Work of ... Emanuel Swedenborg [by William Hill] and Revised by the Translator of the Arcana Cœlestia [i.e. John Clowes]. (To which is Subjoined a Summary Exposition of the Internal Sense of the Prophetical Books of the Word of the Old Testament, and of the Psalms of David.) [With the Text.]

1815

the book begins with a comprehensive introduction to mediation analysis including chapters on concepts for mediation regression based methods sensitivity analysis time to event outcomes methods for multiple mediators methods for time varying mediation and longitudinal data and relations between mediation and other concepts involving intermediates such as surrogates principal stratification instrumental variables and mendelian randomization the second part of the book concerns interaction or moderation including concepts for interaction statistical interaction confounding and interaction mechanistic interaction bias analysis for interaction interaction in genetic studies and power and sample size calculation for interaction the final part of the book provides comprehensive discussion about the relationships between mediation and interaction and unites these concepts within a single framework
The Catechism Explained

2015-08-23

how the consciousness comes into existence is the second top unanswered mystery in science the top unanswered mystery is what is the universe made of physicalism or materialism finds itself quite inadequate to explain mental qualities and free will in terms of excitation of neurons and their modular connections untangling the mystery of consciousness has been esteemed as the proudest achievement of humankind consciousness is left as the last frontier in science whose explanation may perhaps require the conceptualisation of soul and god otherwise any divine soul or god is denied in existence as it does not fit into the known science this book explains consciousness by conceiving a scientific soul that leads to a plausible explanation for all aspects of consciousness and also leads to god this book describes and explains consciousness comprehensively its offshoot also leads us a possible explanation for near death experiences the origin of life and parapsychology this book will lead you to know your thyself it will awaken your spirit of inquiry for such questions as who am i and who is god while providing some answers also

Explanation

2013-04-17

witchcraft and magical beliefs have captivated historians and artists for millennia and stimulated an extraordinary amount of research among scholars in a wide range of disciplines this new collection from the editor of the highly acclaimed 1992 set articles on witchcraft magic and demonology extends the earlier volumes by bringing together the most important articles of the past twenty years and covering the profound changes in scholarly perspective over the past two decades featuring thematically organized papers from a broad spectrum of publications the volumes in this set encompass the key issues and approaches to witchcraft research in fields such as gender studies anthropology sociology literature history psychology and law this new collection provides students and researchers with an invaluable resource comprising the most important and influential discussions on this topic a useful introductory essay written by the editor precedes each volume

Isaiah, Translated and Explained: Isaiah I-XXXV

1861
explanation based learning ebl can generally be viewed as substituting background knowledge for the large training set of exemplars needed by conventional or empirical machine learning systems the background knowledge is used automatically to construct an explanation of a few training exemplars the learned concept is generalized directly from this explanation the first ebl systems of the modern era were mitchell s lex2 silver s lp and de jong s kidnap natural language system two of these systems mitchell s and de jong s have led to extensive follow up research in ebl this book outlines the significant steps in ebl research of the illinois group under de jong this volume describes theoretical research and computer systems that use a broad range of formalisms schemas production systems qualitative reasoning models non monotonic logic situation calculus and some home grown ad hoc representations this has been done consciously to avoid sacrificing the ultimate research significance in favor of the expediency of any particular formalism the ultimate goal of course is to adopt or devise the right formalism

Isaiah Translated and Explained by Joseph Addison Alexander

1856

during the last few centuries natural philosophers and more recently vision scientists have recognized that a fundamental problem in biological vision is that the sources underlying visual stimuli are unknowable in any direct sense because of the inherent ambiguity of the stimuli that impinge on sensory receptors the light that reaches the eye from any scene conflates the contributions of reflectance illumination transmittance and subsidiary factors that affect these primary physical parameters spatial properties such as the size distance and orientation of physical objects are also conflated in light stimuli as a result the provenance of light reaching the eye at any moment is uncertain this quandary is referred to as the inverse optics problem this book considers the evidence that the human visual system solves this problem by incorporating past human experience of what retinal images have typically corresponded to in the real world

English Synonymes Explained

1824

in to explain the world pre eminent theoretical physicist steven weinberg offers a rich and irreverent history of science from a unique perspective that of a scientist moving from ancient miletus to medieval baghdad to oxford and from the museum of alexandria to the royal society of london he shows that the scientists of the past not only did not understand what we understand about the world they did not understand what there is to understand yet eventually through the struggle to solve such mysteries as the backward movement of the planets and the rise and fall of tides the
modern discipline of science emerged

**Agency and Causal Explanation in Economics**

2019-11-07

gertrude stein s composition as explanation delves into the intricate relationship between language and artistic expression published in 1926 the essay explores stein s unique approach to writing and challenges conventional perceptions of composition with a distinctive prose style she reflects on the nature of creativity emphasizing the significance of repetition and abstraction stein s work serves as both an exploration of her own artistic process and a broader commentary on the essence of language in shaping our understanding of art

**Mathematics Explained for Primary Teachers**

2018-11-19

explanations are important to us in many contexts in science mathematics philosophy and also in everyday and juridical contexts but what is an explanation in the philosophical study of explanation there is long standing influential tradition that links explanation intimately to causation we often explain by providing accurate information about the causes of the phenomenon to be explained such causal accounts have been the received view of the nature of explanation particularly in philosophy of science since the 1980s however philosophers have recently begun to break with this causal tradition by shifting their focus to kinds of explanation that do not turn on causal information the increasing recognition of the importance of such non causal explanations in the sciences and elsewhere raises pressing questions for philosophers of explanation what is the nature of non causal explanations and which theory best captures it how do non causal explanations relate to causal ones how are non causal explanations in the sciences related to those in mathematics and metaphysics this volume of new essays explores answers to these and other questions at the heart of contemporary philosophy of explanation the essays address these questions from a variety of perspectives including general accounts of non causal and causal explanations as well as a wide range of detailed case studies of non causal explanations from the sciences mathematics and metaphysics
this is volume ii of twenty two of the social theory and methodology series originally published in 1963 the present study has as its aim the discussion of certain questions of philosophical interest as they come to be imbedded in the work of social scientists it is intended to be an essay which might be of interest to the practising scientist

**General Explanation of Tax Legislation Enacted in the 109th Congress, January 17, 2007**

introduction to catholic theology is an accessible but in depth examination of the ways in which catholic theology is rooted in and informs catholic practice weaves together discussion of the bible historical texts reflections by important theologians and contemporary debates for a nuanced look at belief and practice within the catholic faith provides an overview of all major theological areas including scriptural historical philosophical systematic liturgical and moral theology appropriate for students at all levels assuming no prior knowledge yet providing enough insight and substance to interest those more familiar with the topic written in a dynamic engaging style by two professors with more than 50 years of classroom experience between them

**Explanation in Causal Inference**

creationism on trial is langdon gilkey s fascinating blow by blow account of his experiences as a witness for the aclu at the 1981 creationist trial in little rock arkansas this courtroom drama between state supported creation science fundamentalists and aclu supported scientists theologians and liberal teachers was an engrossing spectacle at the time and has been much talked about since gilkey a renowned theological writer brings to life principal characters and entertaining anecdotes from the trial and effortlessly translates the abstract religious concepts of the case into digestable language highlighted by a new introduction that takes into account recent directions in the creationism debate this book will once again provoke discussion in classes of theology and religion
Witchcraft of New England Explained by Modern Spiritualism

2020-05-01

In this stimulating investigation, Gideon Freudenthal has linked social history with the history of science by formulating an interesting proposal that the supposed influence of social theory may be seen as actual through its coherence with the process of formation of physical concepts. The reinterpretation of the development of science in the seventeenth century, now widely influential, receives at Freudenthal's hand its most persuasive statement most significantly because of his attention to the theoretical form which is characteristic of classical Newtonian mechanics. He pursues the sources of the parallels that may be noted between that mechanics and the dominant philosophical systems and social theories of the time and in a fascinating development, Freudenthal shows how a quite precise method, as he descriptively labels it, the analytic synthetic method which underlay the Newtonian form of theoretical argument was due to certain interpretive premisses concerning particle mechanics. If he is right, these depend upon a particular stage of conceptual achievement in the theories of both society and nature further that the conceptual was generalized philosophically but strikingly, Freudenthal shows that this concept formation itself was linked to the specific social relations of the times of Newton and Hobbes.

Consciousness Explained Scientifically by Substance Dualism

2013-10-28

Demonology, Religion, and Witchcraft

1869
Catalogue of the Library of Congress
1984

Science and Reality
2012-12-06

Investigating Explanation-Based Learning
2005-12-06

Perceiving Geometry
2015-02-17

To Explain the World
1888
An Explicatory Catechism: Or, an Explanation of the Assembly's Shorter Catechism. Wherein All the Answers ... are Taken Abroad ... the Truths Explained, and Proved by Reason and Scripture ... By Thomas Vincent..

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