

1. Record Nr.	UNINA9910155153303321
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Titolo	The politics of evidence : from evidence-based policy to the good governance of evidence / / Justin Parkhurst
Pubbl/distr/stampa	Taylor & Francis, 2017 London ; ; New York : , : Routledge, , 2017
ISBN	9781315675008 1315675005 9781317380870 1317380878 9781317380863 131738086X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (196 pages) : illustrations
Collana	Routledge Studies in Governance and Public Policy
Classificazione	MED035000POL019000POL028000
Disciplina	320.6
Soggetti	Policy sciences Discrimination Research - Evaluation Social policy Elaboration d'une politique Sciences politiques Politique sociale Témoignages policymaking politics political science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	part 1. Evidence-based policymaking : opportunities and challenges -- part 2. The politics of evidence -- part 3. Towards the good governance of evidence.
Sommario/riassunto	There has been an enormous increase in interest in the use of evidence for public policymaking, but the vast majority of work on the subject

has failed to engage with the political nature of decision making and how this influences the ways in which evidence will be used (or misused) within political areas. This book provides new insights into the nature of political bias with regards to evidence and critically considers what an 'improved' use of evidence would look like from a policymaking perspective. Part I describes the great potential for evidence to help achieve social goals, as well as the challenges raised by the political nature of policymaking. It explores the concern of evidence advocates that political interests drive the misuse or manipulation of evidence, as well as counter-concerns of critical policy scholars about how appeals to 'evidence-based policy' can depoliticise political debates. Both concerns reflect forms of bias – the first representing technical bias, whereby evidence use violates principles of scientific best practice, and the second representing issue bias in how appeals to evidence can shift political debates to particular questions or marginalise policy-relevant social concerns. Part II then draws on the fields of policy studies and cognitive psychology to understand the origins and mechanisms of both forms of bias in relation to political interests and values. It illustrates how such biases are not only common, but can be much more predictable once we recognise their origins and manifestations in policy arenas. Finally, Part III discusses ways to move forward for those seeking to improve the use of evidence in public policymaking. It explores what constitutes 'good evidence for policy', as well as the 'good use of evidence' within policy processes, and considers how to build evidence-advisory institutions that embed key principles of both scientific good practice and democratic representation. Taken as a whole, the approach promoted is termed the 'good governance of evidence' – a concept that represents the use of rigorous, systematic and technically valid pieces of evidence within decision-making processes that are representative of, and accountable to, populations served.

2. Record Nr.	UNINA9910360852403321
Autore	Rosen Andreas
Titolo	Geometric multivector analysis : from Grassmann to Dirac / / Andreas Rosén
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , [2019] ©2019
ISBN	9783030314118 3030314111
Edizione	[1st ed.]
Descrizione fisica	1 online resource (XIII, 465 pages, 29 illustrations., 8 illustrations. in color.)
Collana	Birkhäuser Advanced Texts Basler Lehrbücher, , 2296-4894
Disciplina	512.5
Soggetti	Algebras, Linear Global analysis (Mathematics) Manifolds (Mathematics) Differential equations Integral equations Geometry, Differential Linear Algebra Global Analysis and Analysis on Manifolds Differential Equations Integral Equations Differential Geometry Anàlisi global (Matemàtica) Àlgebra lineal Geometria diferencial Equacions diferencials Equacions integrals Varietats (Matemàtica)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Prelude: Linear algebra -- Exterior algebra -- Clifford algebra --

Mappings of inner product spaces -- Spinors in inner product spaces
-- Interlude: Analysis -- Exterior calculus -- Hodge decompositions --
Hypercomplex analysis -- Dirac equations -- Multivector calculus on
manifolds -- Two index theorems.

Sommario/riassunto

This book presents a step-by-step guide to the basic theory of multivectors and spinors, with a focus on conveying to the reader the geometric understanding of these abstract objects. Following in the footsteps of M. Riesz and L. Ahlfors, the book also explains how Clifford algebra offers the ideal tool for studying spacetime isometries and Möbius maps in arbitrary dimensions. The book carefully develops the basic calculus of multivector fields and differential forms, and highlights novelties in the treatment of, e.g., pullbacks and Stokes's theorem as compared to standard literature. It touches on recent research areas in analysis and explains how the function spaces of multivector fields are split into complementary subspaces by the natural first-order differential operators, e.g., Hodge splittings and Hardy splittings. Much of the analysis is done on bounded domains in Euclidean space, with a focus on analysis at the boundary. The book also includes a derivation of new Dirac integral equations for solving Maxwell scattering problems, which hold promise for future numerical applications. The last section presents down-to-earth proofs of index theorems for Dirac operators on compact manifolds, one of the most celebrated achievements of 20th-century mathematics. The book is primarily intended for graduate and PhD students of mathematics. It is also recommended for more advanced undergraduate students, as well as researchers in mathematics interested in an introduction to geometric analysis.
