

Ranking Impact Factor Scientific Journals

Handbook of Quantitative Science and Technology Research
Nineteenth Innovative Applications of Artificial Intelligence Conference
Global University Rankings
Engineering Education and Management
World University Rankings and the Future of Higher Education
Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation
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Parks
Randomization, Bootstrap and Monte Carlo Methods in Biology
Higher Education Research
Proceedings of the Annual Meeting
The New Mechanical Philosophy
Australian Journal of Plant Physiology
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The Impact Factor of Scientific and Scholarly Journals
Annual Review of Cell and Developmental Biology
Resilient Health Care
Ecological Informatics
Bulletin of the Medical Library Association
Journals of the Century
European Scientific Notes
Annual Review of Genomics and Human Genetics 2012
The Metric Tide
Osiris, Volume 31
The Impact of the Social Sciences
Australian Academic and Research Libraries
Opening Science
Proceedings
The Global Gender Gap Report 2008
How to Succeed in Academics, 2nd Edition
The Scientific Life
Educational Rankings Annual 2005
New Zealand Dental Journal

Handbook of Quantitative Science and Technology Research

A comprehensive, state-of-the-art examination of the changing ways we measure scholarly performance and research impact.

Nineteenth Innovative Applications of Artificial Intelligence Conference

This Intergovernmental Panel on Climate Change Special Report (IPCC-SREX) explores the challenge of understanding and managing the risks of climate extremes to advance climate change adaptation. Extreme weather and climate events, interacting with exposed and vulnerable human and natural systems, can lead to disasters. Changes in the frequency and severity of the physical events affect disaster risk, but so do the spatially diverse and temporally dynamic patterns of exposure and vulnerability. Some types of extreme weather and climate events have increased in frequency or magnitude, but populations and assets at risk have also increased, with consequences for disaster risk.

Opportunities for managing risks of weather- and climate-related disasters exist or can be developed at any scale, local to international. Prepared following strict IPCC procedures, SREX is an invaluable assessment for anyone interested in climate

extremes, environmental disasters and adaptation to climate change, including policymakers, the private sector and academic researchers.

Global University Rankings

The New Mechanical Philosophy argues for a new image of nature and of science—one that understands both natural and social phenomena to be the product of mechanisms, and that casts the work of science as an effort to discover and understand those mechanisms. Drawing on an expanding literature on mechanisms in physical, life, and social sciences, Stuart Glennan offers an account of the nature of mechanisms and of the models used to represent them. A key quality of mechanisms is that they are particulars - located at different places and times, with no one just like another. The crux of the scientist's challenge is to balance the complexity and particularity of mechanisms with our need for representations of them that are abstract and general. This volume weaves together metaphysical and methodological questions about mechanisms. Metaphysically, it explores the implications of the mechanistic framework for our understanding of classical philosophical questions about the nature of objects, properties, processes, events, causal relations, natural kinds and laws of nature. Methodologically, the book explores how scientists build models to represent and understand phenomena and the mechanisms responsible for them. Using this account of representation, Glennan offers a scheme for characterizing the

enormous diversity of things that scientists call mechanisms, and explores the scope and limits of mechanistic explanation.

Engineering Education and Management

World University Rankings and the Future of Higher Education

Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation

Modern computer-intensive statistical methods play a key role in solving many problems across a wide range of scientific disciplines. Like its bestselling predecessors, the fourth edition of Randomization, Bootstrap and Monte Carlo Methods in Biology illustrates a large number of statistical methods with an emphasis on biological applications. The focus is now on the use of randomization, bootstrapping, and Monte Carlo methods in constructing confidence intervals and doing tests of significance. The text provides comprehensive coverage of computer-intensive applications, with data sets available online. Features Presents an overview of computer-intensive statistical methods and applications in biology

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Covers a wide range of methods including bootstrap, Monte Carlo, ANOVA, regression, and Bayesian methods Makes it easy for biologists, researchers, and students to understand the methods used Provides information about computer programs and packages to implement calculations, particularly using R code Includes a large number of real examples from a range of biological disciplines Written in an accessible style, with minimal coverage of theoretical details, this book provides an excellent introduction to computer-intensive statistical methods for biological researchers. It can be used as a course text for graduate students, as well as a reference for researchers from a range of disciplines. The detailed, worked examples of real applications will enable practitioners to apply the methods to their own biological data.

Journal of Information Science

This is the proceedings of the selected papers presented at 2011 International Conference on Engineering Education and Management (ICEEM2011) held in Guangzhou, China, during November 18-20, 2011. ICEEM2011 is one of the most important conferences in the field of Engineering Education and Management and is co-organized by Guangzhou University, The University of New South Wales, Zhejiang University and Xi'an Jiaotong University. The conference aims to provide a high-level international forum for scientists, engineers, and students to present their new advances and research results in the field of Engineering Education and

Management. This volume comprises 122 papers selected from over 400 papers originally submitted by universities and industrial concerns all over the world. The papers specifically cover the topics of Management Science and Engineering, Engineering Education and Training, Project/Engineering Management, and Other related topics. All of the papers were peer-reviewed by selected experts. The papers have been selected for this volume because of their quality and their relevancy to the topic. This volume will provide readers with a broad overview of the latest advances in the field of Engineering Education and Management. It will also constitute a valuable reference work for researchers in the fields of Engineering Education and Management.

Beyond Bibliometrics

‘Represents the culmination of an 18-month-long project that aims to be the definitive review of this important topic. Accompanied by a scholarly literature review, some new analysis, and a wealth of evidence and insight the report is a tour de force; a once-in-a-generation opportunity to take stock.’ – Dr Steven Hill, Head of Policy, HEFCE, LSE Impact of Social Sciences Blog ‘A must-read if you are interested in having a deeper understanding of research culture, management issues and the range of information we have on this field. It should be disseminated and discussed within institutions, disciplines and other sites of research collaboration.’ – Dr Meera Sabaratnam, Lecturer in International Relations

at the School of Oriental and African Studies, University of London, LSE Impact of Social Sciences Blog Metrics evoke a mixed reaction from the research community. A commitment to using data and evidence to inform decisions makes many of us sympathetic, even enthusiastic, about the prospect of granular, real-time analysis of our own activities. Yet we only have to look around us at the blunt use of metrics to be reminded of the pitfalls. Metrics hold real power: they are constitutive of values, identities and livelihoods. How to exercise that power to positive ends is the focus of this book. Using extensive evidence-gathering, analysis and consultation, the authors take a thorough look at potential uses and limitations of research metrics and indicators. They explore the use of metrics across different disciplines, assess their potential contribution to the development of research excellence and impact and consider the changing ways in which universities are using quantitative indicators in their management systems. Finally, they consider the negative or unintended effects of metrics on various aspects of research culture. Including an updated introduction from James Wilsdon, the book proposes a framework for responsible metrics and makes a series of targeted recommendations to show how responsible metrics can be applied in research management, by funders, and in the next cycle of the Research Excellence Framework. The metric tide is certainly rising. Unlike King Canute, we have the agency and opportunity – and in this book, a serious body of evidence – to influence how it washes through higher education and research.

Numerical Correlation between Impact Factor and Web Ranking of Electronic Scientific Journals Using Regression Analysis

"The Index benchmarks national gender gaps on economic, political, education- and health-based criteria, and provides country rankings that allow for effective comparisons across regions and income groups, over time"--P. 3.

Current Literature on Science of Science

Exact Methods in the Study of Language and Text

Ecological Informatics is defined as the design and application of computational techniques for ecological analysis, synthesis, forecasting and management. The book provides an introduction to the scope, concepts and techniques of this newly emerging discipline. It illustrates numerous applications of Ecological Informatics for stream systems, river systems, freshwater lakes and marine systems as well as image recognition at micro and macro scale. Case studies focus on applications of artificial neural networks, genetic algorithms, fuzzy logic and adaptive agents to current ecological management issues such as toxic algal blooms, eutrophication, habitat degradation, conservation of biodiversity and sustainable fishery.

Digest of Technical Papers

Educational Rankings Annual

Journal of the American Society for Information Science

Who are scientists? What kind of people are they? What capacities and virtues are thought to stand behind their considerable authority? They are experts—indeed, highly respected experts—authorized to describe and interpret the natural world and widely trusted to help transform knowledge into power and profit. But are they morally different from other people? The Scientific Life is historian Steven Shapin's story about who scientists are, who we think they are, and why our sensibilities about such things matter. Conventional wisdom has long held that scientists are neither better nor worse than anyone else, that personal virtue does not necessarily accompany technical expertise, and that scientific practice is profoundly impersonal. Shapin, however, here shows how the uncertainties attending scientific research make the virtues of individual researchers intrinsic to scientific work. From the early twentieth-century origins of corporate research laboratories to the high-flying scientific entrepreneurship of the present, Shapin

argues that the radical uncertainties of much contemporary science have made personal virtues more central to its practice than ever before, and he also reveals how radically novel aspects of late modern science have unexpectedly deep historical roots. His elegantly conceived history of the scientific career and character ultimately encourages us to reconsider the very nature of the technical and moral worlds in which we now live. Building on the insights of Shapin's last three influential books, featuring an utterly fascinating cast of characters, and brimming with bold and original claims, *The Scientific Life* is essential reading for anyone wanting to reflect on late modern American culture and how it has been shaped.

Parks

This handbook offers a state-of-the-art overview of quantitative science and technology research. It focuses on the development and application of indicators derived from data on scientific or scholarly publications and patents. It comprises 34 chapters written by leading specialists in the various sub-domains. These chapters deal with theoretical and methodological issues, illustrate applications, and highlight their policy context and relevance. Authors present a survey of the research topics they address, and show their most recent achievements. The 34 chapters are arranged into 5 parts: Disciplinary Approaches; General Methodology; The Science System; The Technology System; and The Science-Technology

Interface. The Editor's Introduction provides a further specification of the handbook's scope and of the main topics addressed in its chapters. This handbook aims at four distinct groups of readers: – practitioners in the field of science and technology studies; – research students in this field; – scientists, scholars and technicians who are interested in a systematic, thorough analysis of their activities; – policy makers and administrators who wish to be informed about the potentialities and limitations of the various approaches and about their results.

Randomization, Bootstrap and Monte Carlo Methods in Biology

“With great wisdom from personal experience and cumulative knowledge, the McCabes have now written the *sine qua non* of comprehensive guides to the complexities of an academic career. This book should be in the hands of every new faculty member and is poised to serve this next generation in fulfilling the excitement and richness of their careers.”—Jonathan D. Gitlin, MD, Vanderbilt University “This monograph addresses the complex topic of career development in a fashion that is remarkably accessible to the student at almost any stage. The use of realistic and concise examples of common experiences will engage the reader on a personal level. The book should have a permanent place on the shelf of the mentor as well as the student.”—George Lister, MD, Pediatrician-in-Chief, Children's Medical Center Dallas “The 2nd edition of *How to Succeed in Academics*, a unique resource for the fellow and budding medical faculty, thoroughly

demystifies the steps needed to succeed in academics. Besides its comprehensive coverage of issues related to faculty development, it comes replete with many relevant, real-life examples of critical decision-making. This book is just what the doctor-in-training ordered.”—B U.K. Li, MD, Medical College of Wisconsin

Higher Education Research

Modern information and communication technologies, together with a cultural upheaval within the research community, have profoundly changed research in nearly every aspect. Ranging from sharing and discussing ideas in social networks for scientists to new collaborative environments and novel publication formats, knowledge creation and dissemination as we know it is experiencing a vigorous shift towards increased transparency, collaboration and accessibility. Many assume that research workflows will change more in the next 20 years than they have in the last 200. This book provides researchers, decision makers, and other scientific stakeholders with a snapshot of the basics, the tools, and the underlying visions that drive the current scientific (r)evolution, often called ‘Open Science.’

Proceedings of the Annual Meeting

The New Mechanical Philosophy

Australian Journal of Plant Physiology

The Scientific Journal

The Impact Factor of Scientific and Scholarly Journals

Principles & practice.

Annual Review of Cell and Developmental Biology

What new insights become available for historians when emotions are included as an analytical category? This volume of *Osiris* explores the historical interrelationships between science and its cultures and cultures of emotions. It argues that a dialogue between the history of emotions and the history of science leads to a rethinking of our categories of analysis, our subjects, and our periodizations. The ten case studies in the volume explore these possibilities and

interrelationships across North America and Europe, between the twelfth and the twentieth centuries, in a variety of scientific disciplines. They analyze how scientific communities approached and explained the functions of emotions; how the concomitant positioning of emotions in or between body-mind-intersubjectivity took place; how emotions infused practices and how practices generated emotions; and, ultimately, how new and emerging identities of and criteria for emotions created new knowledge, new technologies, and new subjectivities.

Resilient Health Care

Ecological Informatics

Bulletin of the Medical Library Association

Journals of the Century

The present study attempts to examine the numerical correlation between web ranking of electronic scientific journals and impact factor of these journals using

the method of regression analysis. Regression analysis allows the option of investigating and predicting the numerical relationship between website ranking of scientific journals on the World Wide Web and the value of impact factor of the journals. A sample of 57 publishers with 6,272 scientific journals and 50 standalone scientific journals was analyzed during research procedure. In this study, two different indicators about websites classification on World Wide Web were examined separately for 57 publishers and 50 standalone journals, Alexa rank and Statscrop rank. The electronic databases through the internet constitute the main information resources of this study about the impact factors. The general conclusion that arises is that the impact factor of electronic scientific journals illustrates a very strong positive correlation with classification of websites on the World Wide Web. Furthermore, it is concluded that the change of web ranking as a function of impact factor is governed by a Gaussian function or rational function with lower Pearson coefficient and presents non-linearly correlation. Even if there is very strong correlation between impact factor and web rank for electronic journals, the prediction of impact factor from web rank is not possible and presents many divergences.

European Scientific Notes

Annual Review of Genomics and Human Genetics 2012

The Metric Tide

The impact agenda is set to shape the way in which social scientists prioritise the work they choose to pursue, the research methods they use and how they publish their findings over the coming decade, but how much is currently known about how social science research has made a mark on society? Based on a three year research project studying the impact of 360 UK-based academics on business, government and civil society sectors, this groundbreaking new book undertakes the most thorough analysis yet of how academic research in the social sciences achieves public policy impacts, contributes to economic prosperity, and informs public understanding of policy issues as well as economic and social changes. The Impact of the Social Sciences addresses and engages with key issues, including: identifying ways to conceptualise and model impact in the social sciences developing more sophisticated ways to measure academic and external impacts of social science research explaining how impacts from individual academics, research units and universities can be improved. This book is essential reading for researchers, academics and anyone involved in discussions about how to improve the value and impact of funded research. You can read a snapshot of the results,

Visualising the Data, free online. To download a PDF click [here](#), or to browse a flipbook, click [here](#).

Osiris, Volume 31

The Impact of the Social Sciences

The collection contains more than 60 original papers and reflects current research topics in linguistics and text analysis. Most of the papers present recent results of empirical quantitative investigations; others focus on methodological issues, whereas some of them are of a more theoretical, systems-theoretical/semiotic character. Finally, a number of contributions form typical integrative deductive-inductive studies. The volume is a valuable source of information about the current state-of-the-art in quantitative linguistic research, presented by renowned representatives of the field.

Australian Academic and Research Libraries

This up-to-date resource presents more than 4,000 national, regional, local and international lists and rankings compiled from hundreds of respected sources.

Entries typically include a description of the ranking; background information on criteria for establishing the hierarchy; additional remarks about the ranking; the complete or partial (if extensive) ranking; and a complete source citation for locating additional information if necessary.

Opening Science

This book, first published in 2002, gathers some of America's top subject expert librarians to determine the most influential journals in their respective fields. 32 contributing authors reviewed journals from over twenty countries that have successfully shaped the evolution of their individual specialties worldwide. Their choices reflect the history of each discipline or profession, taking into account rivalries between universities, professional societies, for-profit and not-for-profit publishers, and even nation-states and international ideologies, in each journal's quest for reputational dominance. Each journal was judged using criteria such as longevity of publication, foresight in carving out its niche, ability to attract & sustain professional or academic affiliations, opinion leadership or agenda-setting power, and ongoing criticality to the study or practice of their field. The book presents wholly independent reviewers; none are in the employ of any publisher, but each is fully credentialed and well published, and many are award-winners. The authors guide college and professional school librarians on limited budgets via an exposition of their analytical and critical winnowing process in determining the

classic resources for their faculty, students, and working professional clientele.

Proceedings

Delivering quality education to students while remaining competitive at an international level is only one of the many challenges universities face today. To attain their goals, universities must adopt new strategies to achieve academic excellence. *World University Rankings and the Future of Higher Education* is a pivotal reference source for the latest scholarly research on the implementation of a ranking system for higher education institutions, providing a thorough overview of the impacts of these rankings on educational quality. Exploring the benefits and challenges of this system in a global context, this book is ideally designed for academicians, researchers, students, administrators, and policy makers interested in the effects of university rankings in the education sector and beyond.

The Global Gender Gap Report 2008

How to Succeed in Academics, 2nd Edition

Properly performing health care systems require concepts and methods that match

their complexity. Resilience engineering provides that capability. It focuses on a system's overall ability to sustain required operations under both expected and unexpected conditions rather than on individual features or qualities. This book contains contributions from international experts in health care, organisational studies and patient safety, as well as resilience engineering. Whereas current safety approaches primarily aim to reduce the number of things that go wrong, Resilient Health Care aims to increase the number of things that go right.

The Scientific Life

Research into higher education has blossomed internationally during the last few decades, as participation in higher education has expanded and concern over delivering it effectively has increased. Higher Education Research offers an overview of what we have learnt through researching different aspects of higher education. Leading academic in the field Malcolm Tight codifies and classifies all research on higher education, offering an accessible but comprehensive guide to the field and its scope. Topics covered include: Teaching and learning Course and design Student experience Quality System policy Institutional management Academic work Knowledge and research Tight discusses the work of key researchers, and explores the varied use of methodologies, theoretical frameworks and research designs. He also identifies topics and areas where further research is needed.

Educational Rankings Annual 2005

Global University Rankings explores the novel topic of global university rankings and their effects on higher education in Europe. The contributions in this volume outline different discourses on global university rankings and explore the related changes concerning European higher education policies, disciplinary traditions and higher education institutions. The first global university rankings were published less than a decade ago, but these policy instruments have become highly influential in shaping the approaches and institutional realities of higher education. The rankings have portrayed European academic institutions in a varying light. There is intense reflexivity over the figures, leading to ideational changes and institutional adaptation that take surprisingly similar forms in different European countries. The contributions in this book critically assess global university rankings as a policy discourse that would seem to be instrumental to higher education reform throughout Europe.

New Zealand Dental Journal

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