

Evaluating Research In Academic Journals

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Evaluating Research in Academic Journals

A Practical Guide to Realistic Evaluation *Routledge*

Evaluating Research in Academic Journals is a guide for students who are learning how to evaluate reports of empirical research published in academic journals. It breaks down the process of evaluating a journal article into easy-to-understand steps, and emphasizes the practical aspects of evaluating research – not just how to apply a list of technical terms from textbooks. The book avoids oversimplification in the evaluation process by describing the nuances that may make an article publishable even when it has serious methodological flaws. Students learn when and why certain types of flaws may be tolerated, and why evaluation should not be performed mechanically. Each chapter is organized around evaluation questions. For each question, there is a concise explanation of how to apply it in the evaluation of research reports. Numerous examples from journals in the social and behavioral sciences illustrate the application of the evaluation questions, and demonstrate actual examples of strong and weak features of published reports. Common-sense models for evaluation combined with a lack of jargon make it possible for students to start evaluating research articles the first week of class. New to this edition New chapters on: evaluating

mixed methods research evaluating systematic reviews and meta-analyses program evaluation research Updated chapters and appendices that provide more comprehensive information and recent examples Full new online resources: test bank questions and PowerPoint slides for instructors, and self-test chapter quizzes, further readings and additional journal examples for students.

Evaluating Research in Academic Journals

A Practical Guide to Realistic Evaluation

* A supplementary guide for students who are learning how to evaluate reports of empirical research published in academic journals. * Your students will learn the practical aspects of evaluating research, not just how to apply a laundry list of technical terms from their textbooks. * Each chapter is organized around evaluation questions. For each question, there is a concise explanation of how to apply it in the evaluation of research reports. * Numerous examples from journals in the social and behavioral sciences illustrate the application of the evaluation questions. Students see actual examples of strong and weak features of published reports. * Commonsense models for evaluation combined with a lack of jargon make it possible for students to start evaluating research articles the first week of class. * The structure of this book enables students to work with confidence while evaluating articles for homework. * Avoids oversimplification in the evaluation process by describing the nuances that may make an article publishable even though it has serious methodological flaws. Students learn when and why certain types of flaws may be tolerated. They learn why evaluation should not be performed mechanically. * This book received very high student evaluations when field-tested with students just beginning their study of research methods. * Contains more than 60 new examples from recently published research. In addition, minor changes have been made throughout for consistency with the latest edition of the Publication Manual of the American Psychological Association. r homework. * Avoids oversimplification in the evaluation process by describing the nuances that may make an article publishable even though it has serious methodological flaws. Students learn when and why certain types of flaws may be tolerated. They learn why evaluation should not be performed mechanically. * This book received very high student evaluations when field-tested with students just beginning their study of research methods. * Contains more than 60 new examples from recently published research. In addition, minor changes have been made throughout for consistency with the latest edition of the Publication Manual of the American Psychological Association.

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Evaluating Research in Academic Journals

A Practical Guide to Realistic Evaluation *Routledge*

This supplementary guide is for students who are learning how to evaluate published reports of empirical research. Numerous excerpts from journals in the social and behavioral sciences provide examples that allow students to learn the practical aspects of evaluating research. By de-emphasizing jargon, this book allows students to begin evaluating research with confidence. New to this edition: Two new chapters on evaluating Results sections of research reports: one for quantitative research (Chapter 10) and one for qualitative research (Chapter 11).

Evaluating Research in Academic Journals

Answer Key

Evaluating Research Articles From Start to Finish *SAGE*

This thoroughly updated new edition of the bestselling text trains students to critically read a research article from start to finish. Containing twenty-five engaging articles of both ideal and flawed research, it discusses how to assess them in terms of soundness of the design and appropriateness of the statistical analyses.

Understanding and Evaluating Research

A Critical Guide *SAGE Publications*

Understanding and Evaluating Research: A Critical Guide aims to sensitize students to the necessity of learning how not to defer to the mysterious authority of the experts, but rather to learn how to be a critical consumer of others' research, and to gain confidence in their ability to be producers of research. Sue McGregor shows students how to be research literate, and how to find, critique and apply other people's scholarship. This textbook is grounded in a solid understanding of the prevailing research methodologies for creating new knowledge (philosophical underpinnings), which in turn dictate problem posing, theory selection, and research methods (tasks for sampling, collecting and analyzing data, and reporting results).

Evaluating Research

Methodology for People Who Need to Read Research *SAGE*

The book is intended to help students understand and interpret research articles and how to evaluate what was done in the research. It is not intended to show them how to do research but

rather how to understand research articles and evaluate that research.

Research evaluation metrics *UNESCO Publishing*

The Critical Assessment of Research

Traditional and New Methods of Evaluation *Elsevier*

This book examines the following factors: sponsorship of research, control of the dissemination of research, effects of dominant research paradigms, financial interests of authors, publishers, and editors, role of new technologies (for example, Web 2.0). It is widely accepted among researchers and educators that the peer review process, the reputation of the publisher and examination of the author's credentials are the gold standards for assessing the quality of research and information. However, the traditional gold standards are not sufficient, and the effective evaluation of information requires the consideration of additional factors. Controversies about positive evaluations of new medications that appear in peer-reviewed journals, the financial reports on Enron prior to the revelations that led to its collapse, and obstacles to the publication of research that does not conform to dominant paradigms are just a few examples that indicate the need for a more sophisticated and nuanced approach to evaluating information. Each of the factors is discussed in a factual manner, supported by many examples that illustrate not only the nature of the issues but also their complexity. Practical suggestions for the evaluation of information are an integral part of the text. Highlights frequently overlooked criteria for evaluating research Challenges the assumption that the gold standards for evaluation are sufficient Examines the role of new technologies in evaluating and disseminating research

Research and Evaluation in Education and Psychology

Integrating Diversity With Quantitative, Qualitative, and Mixed Methods *SAGE Publications*
Updated to align with the American Psychological Association and the National Council of Accreditation of Teacher Education accreditation requirements. Focused on increasing the credibility of research and evaluation, the Fifth Edition of Research and Evaluation in Education and Psychology: Integrating Diversity with Quantitative, Qualitative, and Mixed Methods incorporates the viewpoints of various research paradigms into its descriptions of these methods. Students will learn to identify, evaluate, and practice good research, with special emphasis on conducting research in culturally complex communities, based on the perspectives of women, LGBTQ communities, ethnic/racial minorities, and people with disabilities. In each chapter, Dr. Donna M. Mertens carefully explains a step of the research process—from the literature review to analysis and reporting—and includes a sample study and abstract to illustrate the concepts discussed. The new edition includes over 30 new research studies and contemporary examples to demonstrate research methods including: Black girls and school discipline: The complexities of being overrepresented and understudied (Annamma, S.A., Anyon, Y., Joseph, N.M., Farrar, J., Greer, E., Downing, B., & Simmons, J.) Learning Cooperatively under Challenging Circumstances: Cooperation among Students in High-Risk Contexts in El Salvador (Christine Schmalenbach) Replicated Evidence of Racial and Ethnic Disparities in Disability Identification in U.S. Schools (Morgan, et. al.) Relation of white-matter microstructure to reading ability and disability in beginning readers (Christodoulou, et. al.) Arts and mixed methods research: an innovative methodological merger (Archibald, M.M. & Gerber, N.)

Research Assessment in the Humanities

Towards Criteria and Procedures *Springer*

This book analyses and discusses the recent developments for assessing research quality in the humanities and related fields in the social sciences. Research assessments in the humanities are highly controversial and the evaluation of humanities research is delicate. While citation-based research performance indicators are widely used in the natural and life sciences, quantitative measures for research performance meet strong opposition in the humanities. This volume combines the presentation of state-of-the-art projects on research assessments in the humanities by humanities scholars themselves with a description of the evaluation of humanities research in practice presented by research funders. Bibliometric issues concerning humanities research complete the exhaustive analysis of humanities research assessment. The selection of authors is well-balanced between humanities scholars, research funders, and researchers on higher education. Hence, the edited volume succeeds in painting a comprehensive picture of research evaluation in the humanities. This book is valuable to university and science policy makers, university administrators, research evaluators, bibliometricians as well as humanities scholars who seek expert knowledge in research evaluation in the humanities.

Social Science Research

A Cross Section of Journal Articles for Discussion & Evaluation *Routledge*

• This new edition gives students valuable practice in reading and evaluating research. All major methods of research are illustrated, including qualitative research, content/document analysis, survey research, observational research, experimental research, and program evaluation. • The articles deal with contemporary topics that will hold your students' attention. • The lines in each article are sequentially numbered. This allows easy reference to specific parts of the articles during classroom discussions. • Factual Questions at the end of each article encourage students to read for methodological and substantive points. • The Answer Key provides answers to the Factual Questions. The line numbers where the answers can be found are included, making the key easy to use. • The Questions for Discussion at the end of each article address broad issues of research design and overall research quality. • Ideal for homework assignments followed by classroom discussions at the next class meeting.

Altmetrics

This issue of 'Library Technology Reports' introduces the concept of altmetrics in relation to existing citation-based research metrics, positioning its use in the larger academic community. Discussing both the promise and the controversy of altmetrics, the authors offer practical guidance on many topics.

How to Critique Journal Articles in the Social Sciences *SAGE Publications*

How to Critique Journal Articles in the Social Sciences, by Scott R. Harris, is a brief, introductory book that provides readers with a step-by-step guide to reading and understanding a social science research article. The author demonstrates the many strengths of social research, including its advantages over ordinary ways of knowing things, and, at the same time, points out that research is inevitably flawed. Rather than naively assuming that good research simply produces “The Truth” or cynically asserting that research is hopelessly biased and futile, this book instills in readers a critical

perspective—one that appreciates the strengths and weaknesses of any piece of scholarship.

Springer Handbook of Science and Technology Indicators *Springer Nature*

This handbook presents the state of the art of quantitative methods and models to understand and assess the science and technology system. Focusing on various aspects of the development and application of indicators derived from data on scholarly publications, patents and electronic communications, the individual chapters, written by leading experts, discuss theoretical and methodological issues, illustrate applications, highlight their policy context and relevance, and point to future research directions. A substantial portion of the book is dedicated to detailed descriptions and analyses of data sources, presenting both traditional and advanced approaches. It addresses the main bibliographic metrics and indexes, such as the journal impact factor and the h-index, as well as altmetric and webometric indicators and science mapping techniques on different levels of aggregation and in the context of their value for the assessment of research performance as well as their impact on research policy and society. It also presents and critically discusses various national research evaluation systems. Complementing the sections reflecting on the science system, the technology section includes multiple chapters that explain different aspects of patent statistics, patent classification and database search methods to retrieve patent-related information. In addition, it examines the relevance of trademarks and standards as additional technological indicators. The Springer Handbook of Science and Technology Indicators is an invaluable resource for practitioners, scientists and policy makers wanting a systematic and thorough analysis of the potential and limitations of the various approaches to assess research and research performance.

Learning Science in Informal Environments

People, Places, and Pursuits *National Academies Press*

Informal science is a burgeoning field that operates across a broad range of venues and envisages learning outcomes for individuals, schools, families, and society. The evidence base that describes informal science, its promise, and effects is informed by a range of disciplines and perspectives, including field-based research, visitor studies, and psychological and anthropological studies of learning. Learning Science in Informal Environments draws together disparate literatures, synthesizes the state of knowledge, and articulates a common framework for the next generation of research on learning science in informal environments across a life span. Contributors include recognized experts in a range of disciplines--research and evaluation, exhibit designers, program developers, and educators. They also have experience in a range of settings--museums, after-school programs, science and technology centers, media enterprises, aquariums, zoos, state parks, and botanical gardens. Learning Science in Informal Environments is an invaluable guide for program and exhibit designers, evaluators, staff of science-rich informal learning institutions and community-based organizations, scientists interested in educational outreach, federal science agency education staff, and K-12 science educators.

Dictionary for Library and Information Science *Libraries Unlimited*

Now available for the first time in print, the dictionary is the most comprehensive and reliable English-language resource for terminology used in all types of libraries. With more than 4,000 terms and cross-references (last updated January, 2003), the dictionary's content has been carefully selected and includes terms from publishing, printing, literature, and computer science where, in the author's judgment, they are relevant to both library professionals and laypersons.

Open Science by Design

Realizing a Vision for 21st Century Research *National Academies Press*

Openness and sharing of information are fundamental to the progress of science and to the effective functioning of the research enterprise. The advent of scientific journals in the 17th century helped power the Scientific Revolution by allowing researchers to communicate across time and space, using the technologies of that era to generate reliable knowledge more quickly and efficiently. Harnessing today's stunning, ongoing advances in information technologies, the global research enterprise and its stakeholders are moving toward a new open science ecosystem. Open science aims to ensure the free availability and usability of scholarly publications, the data that result from scholarly research, and the methodologies, including code or algorithms, that were used to generate those data. Open Science by Design is aimed at overcoming barriers and moving toward open science as the default approach across the research enterprise. This report explores specific examples of open science and discusses a range of challenges, focusing on stakeholder perspectives. It is meant to provide guidance to the research enterprise and its stakeholders as they build strategies for achieving open science and take the next steps.

Beyond Bibliometrics

Harnessing Multidimensional Indicators of Scholarly Impact *MIT Press*

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

Understanding and Evaluating Research

A Critical Guide *SAGE Publications*

Understanding and Evaluating Research: A Critical Guide shows students how to be critical consumers of research and to appreciate the power of methodology as it shapes the research question, the use of theory in the study, the methods used, and how the outcomes are reported. The book starts with what it means to be a critical and uncritical reader of research, followed by a detailed chapter on methodology, and then proceeds to a discussion of each component of a research article as it is informed by the methodology. The book encourages readers to select an article from their discipline, learning along the way how to assess each component of the article and come to a judgment of its rigor or quality as a scholarly report.

Evaluating Research for Evidence-Based Nursing Practice *F.A. Davis*

Where is the evidence in a nursing research study? What is the evidence? How good is the evidence? And, how is it relevant to providing evidence-based nursing care? Ensure that students can meet the AACN's (American Association of Colleges of Nursing) goal of identifying valid research findings and using them to determine if they are providing care that is supported by evidence.

Evaluating Research in Health and Social Care *SAGE*

Explains and critically evaluates a range of research techniques for the caring professions.

Evaluating Academic Legal Research in Europe

The Advantage of Lagging Behind *Edward Elgar Publishing*

Legal academics in Europe publish a wide variety of materials including books, articles and essays, in an assortment of languages, and for a diverse readership. As a consequence, this variety can pose a problem for the evaluation of academic legal research. This thought-provoking book offers an overview of the legal and policy norms, methods and criteria applied in the evaluation of academic legal research, from a comparative perspective.

Fostering Integrity in Research *National Academies Press*

The integrity of knowledge that emerges from research is based on individual and collective adherence to core values of objectivity, honesty, openness, fairness, accountability, and stewardship. Integrity in science means that the organizations in which research is conducted encourage those involved to exemplify these values in every step of the research process. Understanding the dynamics that support " or distort " practices that uphold the integrity of research by all participants ensures that the research enterprise advances knowledge. The 1992 report Responsible Science: Ensuring the Integrity of the Research Process evaluated issues related to scientific responsibility and the conduct of research. It provided a valuable service in describing and analyzing a very complicated set of issues, and has served as a crucial basis for thinking about research integrity for more than two decades. However, as experience has accumulated with various forms of research misconduct, detrimental research practices, and other forms of misconduct, as subsequent empirical research has revealed more about the nature of scientific misconduct, and because technological and social changes have altered the environment in which science is conducted, it is clear that the framework established more than two decades ago needs to be updated. Responsible Science served as a valuable benchmark to set the context for this most recent analysis and to help guide the committee's thought process. Fostering Integrity in Research identifies best practices in research and recommends practical options for discouraging and addressing research misconduct and detrimental research practices.

Citation Analysis in Research Evaluation *Springer Science & Business Media*

This book is written for members of the scholarly research community, and for persons involved in research evaluation and research policy. More specifically, it is directed towards the following four main groups of readers: – All scientists and scholars who have been or will be subjected to a quantitative assessment of research performance using citation analysis. – Research policy makers and managers who wish to become conversant with the basic features of citation analysis, and about its potentialities and limitations. – Members of peer review committees and other evaluators, who consider the use of citation analysis as a tool in their assessments. – Practitioners and students in the field of quantitative science and technology studies, informetrics, and library and information science. Citation analysis involves the construction and application of a series of indicators of the ‘impact’, ‘influence’ or ‘quality’ of scholarly work, derived from citation data, i.e. data on references cited in footnotes or bibliographies of scholarly research publications. Such indicators are applied both in the study of scholarly communication and in the assessment of research performance. The term ‘scholarly’ comprises all domains of science and scholarship, including not only those fields that are normally denoted as science – the natural and life sciences, mathematical and technical sciences – but also social sciences and humanities.

Research Methods in Psychology

How to Read and Critique a Scientific Research Article

Notes to Guide Students Reading Primary Literature (with Teaching Tips for Faculty Members) *World Scientific Publishing Company Incorporated*

Given the explosion of information and knowledge in the field of Life Sciences, adapting primary literature as materials in course work as part of active learning seems to be more effective in improving scientific literacy among science undergraduates than the pure transmission of content knowledge using traditional textbooks. In addition, students also read research articles as part of undertaking laboratory research projects useful for preparing them for graduate school. As such, a good grasp of reading and analytical skills is needed for students to understand how their research project contributes to the field that they are working in. Such skills are being taught at UK and USA universities. In Asia, this approach in teaching has not yet been as widespread, although similar ideas are beginning to be used in education. Written as a quick guide for undergraduate students and faculty members dealing with scientific research articles as part of a module or research project, this book will be useful, especially in Asia, for students and faculty members as the universities look to incorporating the use of scientific research articles in their undergraduate teaching. For Life Science students, the first time they encounter a primary literature can be rather daunting, though with proper guidance, they can overcome the initial difficulties and become confident in dealing with scientific articles. This guidebook provides a structured approach to reading a research article, guiding the reader step-by-step through each section, with tips on how to look out for key points and how to evaluate each section. Overall, by helping undergraduate students to overcome their anxieties in reading scientific literature, the book will enable the students to appreciate better the process of scientific investigations and how knowledge is derived in science.

A Strategy for Assessing Science

Behavioral and Social Research on Aging *National Academies Press*

A Strategy for Assessing Science offers strategic advice on the perennial issue of assessing rates of progress in different scientific fields. It considers available knowledge about how science makes progress and examines a range of decision-making strategies for addressing key science policy concerns. These include avoiding undue conservatism that may arise from the influence of established disciplines; achieving rational, high-quality, accountable, and transparent decision processes; and establishing an appropriate balance of influence between scientific communities and agency science managers. A Strategy for Assessing Science identifies principles for setting priorities and specific recommendations for the context of behavioral and social research on aging.

Educational Research

Planning, Conducting, and Evaluating Quantitative and Qualitative Research *Pearson College Division*

This title is only available as a loose-leaf version with Pearson eText, or an electronic book. A practical, step-by-step core research text that balances coverage of qualitative and quantitative methods Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research offers a truly balanced, inclusive, and integrated overview of the field as it currently stands. This text provides thorough coverage of the methods and procedures used in quantitative, qualitative, and mixed-methods research. It helps students learn how to begin to conduct research

and see a project through preparation of a manuscript, and it also helps students learn how to read and evaluate research reports. Video-Enhanced Pearson eText. Included in this package is access to the new Video-Enhanced eText for exclusively from Pearson. The Video-Enhanced Pearson eText is: Engaging. Full-color online chapters include dynamic videos that show what course concepts look like in real classrooms, model good teaching practice, and expand upon chapter concepts. Video links, chosen by our authors and other subject-matter experts, are embedded right in context of the content you are reading Convenient. Enjoy instant online access from your computer or download the Pearson eText App to read on or offline on your iPad and Android tablets.* Interactive. Features include embedded video, embedded assessment, note taking and sharing, highlighting and search. Affordable. Experience all these advantages of the Video-Enhanced eText along with all the benefits of print for 40% to 50% less than a print bound book. *The Pearson eText App is available for free on Google Play and in the App Store.* Requires Android OS 3.1 - 4, a 7" or 10" tablet or iPad iOS 5.0 or newer 0133831531 / 9780133831535 Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research, Loose-Leaf Version with Video-Enhanced Pearson eText -- Access Card Package Package consists of: 0133549585 / 9780133549584 Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research, Loose-Leaf Version 0133570088 / 9780133570083 Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research, Video-Enhanced Pearson eText -- Access Card

The Evaluation of Research in Social Sciences and Humanities

Lessons from the Italian Experience *Springer*

This book examines very important issues in research evaluation in the Social Sciences and Humanities. It is based on recent experiences carried out in Italy (2011-2015) in the fields of research assessment, peer review, journal classification, and construction of indicators, and presents a systematic review of theoretical issues influencing the evaluation of Social Sciences and Humanities. Several chapters analyse original data made available through research assessment exercises. Other chapters are the result of dedicated and independent research carried out in 2014-2015 aimed at addressing some of the debated and open issues, for example in the evaluation of books, the use of Library Catalog Analysis or Google Scholar, the definition of research quality criteria on internationalization, as well as opening the way to innovative indicators. The book is therefore a timely and important contribution to the international debate.

How to Design and Evaluate Research in Education

This comprehensive introduction to educational research covers the most widely used research methodologies and discusses the research process in detail. Step-by-step analysis of real research studies provides students with practical examples of how to prepare their work and read that of others. End-of-chapter problem sheets, comprehensive coverage of data analysis, and discussion of the preparation of research proposals and reports make the text appropriate for courses that focus on doing research as well as for courses that stress reading and understanding research.

Real Research

Conducting and Evaluating Research in the Social Sciences *Pearson College Division*

Covering both quantitative and qualitative research, this new text teaches the skills for conducting research and how to read and evaluate published research. Real Research explains the systematic steps used by social scientists to examine the social world, and teaches te skills necessary to read, understand and realistically evaluate published research carried out by others. The author follows the stages of the research process and presents a model of "ideal" research; but she also emphasizes that research does not always involve an orderly set of steps, and is often affected by limitations such as time and money.

Evaluating Social Science Research

An Introduction *SAGE*

This volume offers students a basic introduction to assessing the meaning and validity of research in the social sciences and related fields. The ability to "read "published research critically is essential and is different from the skills involved in "undertaking "research using statistical analysis. Thomas R Black explains in clear and straightforward terms how students can evaluate research, with particular emphasis on research involving some aspect of measurement. The coverage of fundamental concepts is comprehensive and supports topics including research design, data collection and data analysis by addressing the following major issues: Are the questions and hypotheses advanced appropriate and testable? Is the research design sufficient for the hypothesis? Are the data gathered valid, reliable and objective? Are the statistical techniques used to analyze the data appropriate and do they support the conclusions reached?

Social Science Research

Principles, Methods, and Practices *CreateSpace*

This book is designed to introduce doctoral and graduate students to the process of conducting scientific research in the social sciences, business, education, public health, and related disciplines. It is a one-stop, comprehensive, and compact source for foundational concepts in behavioral research, and can serve as a stand-alone text or as a supplement to research readings in any doctoral seminar or research methods class. This book is currently used as a research text at universities on six continents and will shortly be available in nine different languages.

The Metric Tide

Independent Review of the Role of Metrics in Research Assessment and Management *SAGE*

‘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.

Evaluating Research Efficiency in the U.S. Environmental Protection Agency *National Academies Press*

A new book from the National Research Council recommends changes in how the federal government evaluates the efficiency of research at EPA and other agencies. Assessing efficiency should be considered only one part of gauging a program's quality, relevance, and effectiveness. The efficiency of research processes and that of investments should be evaluated using different approaches. Investment efficiency should examine whether an agency's R&D portfolio, including the budget, is relevant, of high quality, matches the agency's strategic plan. These evaluations require panels of experts. In contrast, process efficiency should focus on "inputs" (the people, funds, and facilities dedicated to research) and "outputs" (the services, grants, publications, monitoring, and new techniques produced by research), as well as their timelines and should be evaluated using quantitative measures. The committee recommends that the efficiency of EPA's research programs be evaluated according to the same standards used at other agencies. To ensure this, OMB should train and oversee its budget examiners so that the PART questionnaire is implemented consistently and equitably across agencies.

Evaluating research in context : a method for comprehensive assessment

International Conflict Resolution After the Cold War *National Academies Press*

The end of the Cold War has changed the shape of organized violence in the world and the ways in which governments and others try to set its limits. Even the concept of international conflict is broadening to include ethnic conflicts and other kinds of violence within national borders that may affect international peace and security. What is not yet clear is whether or how these changes alter the way actors on the world scene should deal with conflict: Do the old methods still work? Are there new tools that could work better? How do old and new methods relate to each other? International Conflict Resolution After the Cold War critically examines evidence on the effectiveness of a dozen approaches to managing or resolving conflict in the world to develop insights for conflict resolution practitioners. It considers recent applications of familiar conflict management strategies, such as the use of threats of force, economic sanctions, and negotiation. It presents the first systematic assessments of the usefulness of some less familiar approaches to conflict resolution, including truth commissions, "engineered" electoral systems, autonomy arrangements, and regional organizations. It also opens up analysis of emerging issues, such as the dilemmas facing humanitarian organizations in complex emergencies. This book offers numerous practical insights and raises key questions for research on conflict resolution in a transforming world system.

Publishing Addiction Science

A Guide for the Perplexed *Ubiquity Press*

Publishing Addiction Science is a comprehensive guide for addiction scientists facing the complex process of contributing to scholarly journals. Written by an international group of addiction journal editors and their colleagues, it discusses how to write research articles and systematic reviews, choose a journal, respond to reviewers' reports, become a reviewer, and resolve the often difficult authorship, ethical and citation issues that arise in addiction science publishing. As a “Guide for the Perplexed,” Publishing Addiction Science helps novice as well as experienced researchers to deal with these challenges. It is suitable for university courses and forms the basis of the training workshops offered by the International Society of Addiction Journal Editors (ISAJE). Co-sponsored by ISAJE and the scientific journal Addiction, the third edition of Publishing Addiction Science gives special attention to the challenges faced by researchers from developing and non-English-speaking countries and features new chapters on guidance for clinician-scientists and the growth of infrastructure and career opportunities in addiction science.