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Bridging Research and Practice in Science Education - Eilish McLoughlin 2019-08-27
This edited volume presents innovative current research in the field of Science Education. The chapter's deal with a wide variety of topics and research approaches, conducted in a range of contexts and settings. Together they make a strong contribution to knowledge on science teaching and learning. The book consists of selected presentations from the 12th European Science Education Research Association (ESERA) Conference, held in Dublin, Ireland from 21st to 25th August, 2017. The ESERA community is made up of professionals with diverse disciplinary backgrounds from natural sciences to social sciences. This diversity enables a rich understanding of cognitive and affective aspects of science teaching and learning. The studies in this book will stimulate discussion and interest in finding new ways of implementing and researching science education for the future. The twenty-two chapters in this book are presented in four parts highlighting innovative approaches to school science, emerging identities in science education, approaches to developing learning and competence progressions, and ways of enhancing science teacher education. This collection of studies showcases current research orientations in science education and is of interest to science teachers, teacher educators and science education researchers around the world with a commitment to bridging research

and practice in science teaching and learning.
Contributions from Science Education Research - Roser Pintó 2007-09-19
In August 2005, over 500 researchers from the field of science education met at the 5th European Science Education Research Association conference. Two of the main topics at this conference were: the decrease in the number of students interested in school science and concern about the worldwide outcomes of studies on students' scientific literacy. This volume includes edited versions of 37 outstanding papers presented, including the lectures of the keynote speakers.
Theory and Method in Higher Education Research - Jeroen Huisman 2022-11-23
This volume of Theory and Method in Higher Education Research explores several timely topics including transnational approaches to higher education policy, universities contributions to society, data collection in higher education, virtual and blended research, and more.
Research in Education - 1974

Topics and Trends in Current Science Education - Catherine Bruguière 2013-11-19
This book features 35 of best papers from the 9th European Science Education Research Association Conference, ESERA 2011, held in Lyon,

France, September 5th-9th 2011. The ESERA international conference featured some 1,200 participants from Africa, Asia, Australia, Europe as well as North and South America offering insight into the field at the end of the first decade of the 21st century. This book presents studies that represent the current orientations of research in science education and includes studies in different educational traditions from around the world. It is organized into six parts around the three poles (content, students, teachers) and their interrelations of science education: after a general presentation of the volume (first part), the second part concerns SSI (Socio-Scientific Issues) dealing with new types of content, the third the teachers, the fourth the students, the fifth the relationships between teaching and learning, and the sixth the teaching resources and the curricula.

Social Innovation in Education - Claudia Fahrenwald 2022-01-21

Early Childhood Education - Alison Elliott 2006-01-01
Early childhood education in Australia has been a rapidly growing part of the education sector for the past two decades and, while complex and often controversial, has, until very recently, generated limited discussion in mainstream educational policy arenas and relatively little investment in research and development. Most sector growth and investment has been in services and fee subsidies to provide care for young children, while their parents work. There has been less focus on developmental issues and outcomes for children, little emphasis on strengthening early development and education components in child care, and a widening gulf between preschool and kindergarten programs and childcare programs for children in the year or so before school. Furthermore, despite seemingly bipartisan political and social commitment to the benefits of strong early childhood development and education programs, there are diverse administrative and legislative arrangements for early childhood services, limited intergovernmental agreement on policy and little concerted or coordinated effort to assure quality programs and outcomes or to close the achievement gap in the early years. Worst of all, many Australian children miss out on early childhood development and

education opportunities.

Higher Education: Handbook of Theory and Research - John C. Smart 2006-05-11
Published annually since 1985, the Handbook series provides a compendium of thorough and integrative literature reviews on a diverse array of topics of interest to the higher education scholarly and policy communities. Each chapter provides a comprehensive review of research findings on a selected topic, critiques the research literature in terms of its conceptual and methodological rigor, and sets forth an agenda for future research intended to advance knowledge on the chosen topic. The Handbook focuses on twelve general areas that encompass the salient dimensions of scholarly and policy inquiries undertaken in the international higher education community. The series is fortunate to have attracted annual contributions from distinguished scholars throughout the world.
Resources in education - 1986-08

International Perspectives on School Settings, Education Policy and Digital Strategies - Annika Wilmers 2021-02-15
An exchange on education ideas has shaped the transatlantic discourse in education for a long time. Over the past two decades education science has increasingly become networked internationally. Since 2015, the Office for International Cooperation in Education at DIPF | Leibniz Institute for Research and Information in Education has organized international sessions on education research at the Annual Meetings of the American Educational Research Association, thus providing a floor for transatlantic exchange on current research topics. The volume gives an overview of the transatlantic activities in education research with regard to these sessions representing a collection of topics ranging from school development over the use of large scale assessment and digital data in education to questions related to migration and public education or the economization of education. At the same time the volume offers a reflection on the assets and obstacles of international exchange.
Issues in Teaching and Education Policy, Research, and Special Topics:

2012 Edition - 2013-01-10
Issues in Teaching and Education Policy, Research, and Special Topics: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Teaching. The editors have built Issues in Teaching and Education Policy, Research, and Special Topics: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Teaching in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Teaching and Education Policy, Research, and Special Topics: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Translator and Interpreter Education Research - Muhammad M. M. Abdel Latif 2020-10-02
This book provides a detailed introduction and guide to researching translator and interpreter education. Providing an overview of the main research topics, trends and methods, the book covers the following six areas: training effectiveness, learning and teaching practices, assessment, translation and interpreting processes, translated and interpreted texts, and professionals' experiences and roles. The book focuses on explaining the issues and topics researched in each area, and showing how they have been researched. As the first book to provide a comprehensive overview of translator and interpreter education research, it has important implications to developing its areas at the theoretical and practical levels. In addition, it offers an invaluable guide for those interested in researching translator and interpreter education areas, and in educating translators and interpreters.

Computer Science Education Research - Sally Fincher 2004-01-01
This book provides an overview of how to approach computer science education research from a pragmatic perspective. It represents the diversity of traditions and approaches inherent in this interdisciplinary area, while also providing a structure within which to make sense of that diversity. It provides multiple 'entry points'- to literature, to methods, to topics Part One, 'The Field and the Endeavor', frames the nature and conduct of research in computer science education. Part Two, 'Perspectives and Approaches', provides a number of grounded chapters on particular topics or themes, written by experts in each domain. These chapters cover the following topics: * design * novice misconceptions * programming environments for novices * algorithm visualisation * a schema theory view on learning to program * critical theory as a theoretical approach to computer science education research Juxtaposed and taken together, these chapters indicate just how varied the perspectives and research approaches can be. These chapters, too, act as entry points, with illustrations drawn from published work.

Higher Education: Handbook of Theory and Research - Michael B. Paulsen 2013-02-12
Published annually since 1985, the Handbook series provides a compendium of thorough and integrative literature reviews on a diverse array of topics of interest to the higher education scholarly and policy communities. Each chapter provides a comprehensive review of research findings on a selected topic, critiques the research literature in terms of its conceptual and methodological rigor, and sets forth an agenda for future research intended to advance knowledge on the chosen topic. The Handbook focuses on a comprehensive set of central areas of study in higher education that encompasses the salient dimensions of scholarly and policy inquiries undertaken in the international higher education community. Each annual volume contains chapters on such diverse topics as research on college students and faculty, organization and administration, curriculum and instruction, policy, diversity issues, economics and finance, history and philosophy, community colleges, advances in research methodology, and more. The series is fortunate to have attracted annual contributions from distinguished scholars throughout the world.

LGBTQ Issues in Education - George Wimberly 2015-04-19
LGBTQ Issues in Education: Advancing a Research Agenda examines the current state of the knowledge on LGBTQ issues in education and addresses future research directions. The editor and authors draw on existing literature, theories, and data as they synthesize key areas of research. Readers studying LGBTQ issues or working on adjacent topics will find the book to be an invaluable tool as it sets forth major findings and recommendations for additional research. Equally important, the book brings to light the importance of investing in research and data on a topic of critical educational and social significance.

The SAGE Handbook of Responsible Management Learning and Education - Dirk C. Moosmayer 2020-08-04
Reflecting the rapid rise in popularity of recent initiatives such as the UN Principles for Responsible Management Education (PRME), this handbook exhaustively covers a variety of responsible management, learning and education topics, and provides an invaluable roadmap for this fast-developing field. Covering various perspectives on the topic, right through to contexts, methods, outcomes and beyond, this volume will be an invaluable integrative resource for practitioners and researchers alike, and is designed to serve a range of communities that deal with topics related to sustainability, responsibility and ethics in management learning and education.

Higher Education: Handbook of Theory and Research - Michael B. Paulsen 2017-02-09
Published annually since 1985, the Handbook series provides a compendium of thorough and integrative literature reviews on a diverse array of topics of interest to the higher education scholarly and policy communities. Each chapter provides a comprehensive review of research findings on a selected topic, critiques the research literature in terms of its conceptual and methodological rigor and sets forth an agenda for future research intended to advance knowledge on the chosen topic. The Handbook focuses on a comprehensive set of central areas of study in higher education that encompasses the salient dimensions of scholarly and policy inquiries undertaken in the international higher education

community. Each annual volume contains chapters on such diverse topics as research on college students and faculty, organization and administration, curriculum and instruction, policy, diversity issues, economics and finance, history and philosophy, community colleges, advances in research methodology and more. The series is fortunate to have attracted annual contributions from distinguished scholars throughout the world.

Issues in Teaching and Education Policy, Research, and Special Topics: 2011 Edition - 2012-01-09
Issues in Teaching and Education Policy, Research, and Special Topics: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Teaching and Education Policy, Research, and Special Topics. The editors have built Issues in Teaching and Education Policy, Research, and Special Topics: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Teaching and Education Policy, Research, and Special Topics in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Teaching and Education Policy, Research, and Special Topics: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Research Methods in Education - Louis Cohen 2017-10-12
This thoroughly updated and extended eighth edition of the long-running bestseller Research Methods in Education covers the whole range of methods employed by educational research at all stages. Its five main parts cover: the context of educational research; research design; methodologies for educational research; methods of data collection; and data analysis and reporting. It continues to be the go-to text for students, academics and researchers who are undertaking, understanding and

using educational research, and has been translated into several languages. It offers plentiful and rich practical advice, underpinned by clear theoretical foundations, research evidence and up-to-date references, and it raises key issues and questions for researchers planning, conducting, reporting and evaluating research. This edition contains new chapters on: Mixed methods research The role of theory in educational research Ethics in Internet research Research questions and hypotheses Internet surveys Virtual worlds, social network software and netography in educational research Using secondary data in educational research Statistical significance, effect size and statistical power Beyond mixed methods: using Qualitative Comparative Analysis (QCA) to integrate cross-case and within-case analyses. Research Methods in Education is essential reading for both the professional researcher and anyone involved in educational and social research. The book is supported by a wealth of online materials, including PowerPoint slides, useful weblinks, practice data sets, downloadable tables and figures from the book, and a virtual, interactive, self-paced training programme in research methods. These resources can be found at: www.routledge.com/cw/cohen.

Issues in Teaching and Education Policy, Research, and Special Topics: 2013 Edition - 2013-05-01
Issues in Teaching and Education Policy, Research, and Special Topics: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Education Testing and Evaluation. The editors have built Issues in Teaching and Education Policy, Research, and Special Topics: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Education Testing and Evaluation in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Teaching and Education Policy, Research, and Special Topics: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by

the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Research in Special Education - Phillip D. Rumrill, Jr. 2020-02-05
The primary purpose of this book is to offer a broad-based examination into the role of scientific inquiry in contemporary special education. As with the first two editions, which were published in 2001 and 2011, the goal is to provide a comprehensive overview of the philosophical, ethical, methodological, and analytical fundamentals of social science and educational research. Aspects of special education research that distinguish it from scientific inquiry in other fields of education and human services are specified. Foremost among these distinctions are the research beneficiaries—children with disabilities, their parents, the special educators; availability of federal funds for research and demonstration projects that seek to improve educational outcomes; and the historical, philosophical, and legislative bases for the profession of special education. This new edition represents a revision of more than 30 percent with over 250 new references. Each chapter is thoroughly updated with new developments in research topics, designs, and methods that have emerged over the past decade in the field of special education. This unique book is an excellent resource guide for graduate-level students, practitioners, teachers in the field of special education, disability studies, early intervention, school psychology, and child and family services.

Critical Voices in Science Education Research - Jesse Bazzul 2019-01-23
This book is a collection of narratives from a diverse array of science education researchers that elucidate some of the difficulties of becoming a science education researcher and/or science teacher educator, with the hope that through solidarity, commonality, and "telling the story", justice-oriented science education researchers will feel more supported in their own journeys. Being a scholar and teacher that sees science education as a space for justice, and thinking/being different, entry into

this disciplinary field often comes with tense moments and personal difficulties. The chapter authors of this book break into many painful, awkward, and seemingly nebulous topics, including the intersectional nuances of what it means to be a researcher in the contexts of epistemic rigidness, white supremacy, and neoliberal restructuring. Of course these contexts become different depending on how teachers, students, and researchers are constituted within them (as racialized/sexed/gendered/disposable/valued subjects). We hope that within these narratives readers will identify with similar struggles in terms of what it means to desire to "do good in the world", while facing subtle and not-so-subtle institutional, personal cultural, and political challenges.

Higher Education: Handbook of Theory and Research - John C. Smart 2011-03-24
Published annually since 1985, the Handbook series provides a compendium of thorough and integrative literature reviews on a diverse array of topics of interest to the higher education scholarly and policy communities. Each chapter provides a comprehensive review of research findings on a selected topic, critiques the research literature in terms of its conceptual and methodological rigor, and sets forth an agenda for future research intended to advance knowledge on the chosen topic. The Handbook focuses on twelve general areas that encompass the salient dimensions of scholarly and policy inquiries undertaken in the international higher education community. The series is fortunate to have attracted annual contributions from distinguished scholars throughout the world.

Qualitative Research Topics in Language Teacher Education - Gary Barkhuizen 2019-06-26
Student and novice researchers may have a general idea for a topic they would like to research, but have a difficult time settling on a more specific topic and its associated research questions. Addressing this problem, this book features contributions from over thirty diverse and experienced research supervisors, mentors, and principal investigators in the field of language teacher education. The chapters are autobiographic

in nature, with each contributing author reflecting on relevant, current and innovative research topics through the lens of their own professional life and research work. Offering explicit research topics and strategies for each area of expertise, this book will serve as a useful reference for the seasoned qualitative or narrative researcher, and a helpful guide for new researchers and teacher researchers narrowing down their own research topics.

Academic Advising and Tutoring for Student Success in Higher Education: International Perspectives - Emily Alice McIntosh 2021-02-16

Success with Your Education Research Project - John Sharp 2012-10-19
Research projects are carried out in schools and non-school settings by virtually all undergraduates in the areas of teacher training, Education Studies and other educational disciplines. This text, written for this specific target audience, makes clear references to these courses and contexts throughout. Hot topics such as using the net and plagiarism are covered with up-to-date information, while key content on literature searches, critical thinking and the development of argument provide clear guidance and ensure academic rigor. This new edition has been updated throughout to provide greater depth on many topics, FAQs and a glossary of key terms.

Qualitative Research Topics in Language Teacher Education - Gary Barkhuizen 2019
Student and novice researchers may have a general idea for a topic they would like to research, but have a difficult time settling on a more specific topic and its associated research questions. Addressing this problem, this book features contributions from over thirty diverse and experienced research supervisors, mentors, and principal investigators in the field of language teacher education. The chapters are autobiographic in nature, with each contributing author reflecting on relevant, current and innovative research topics through the lens of their own professional life and research work. Offering explicit research topics and strategies for each area of expertise, this book will serve as a useful reference for

the seasoned qualitative or narrative researcher, and a helpful guide for new researchers and teacher researchers narrowing down their own research topics.

Methodological Approaches to STEM Education Research Volume 3 - Peta J. White 2022-09-30

We live in challenging and uncertain times, with profound implications for the purpose and nature of education. The crises of the Anthropocene, with the related climate-related challenges, biodiversity loss, a global pandemic, and changes to the world of work driven by science and technology innovation and the ascendency of data and knowledge, pressure us to rethink how we prepare people for such futures. This, in turn, has changed the landscape of educational research, perhaps particularly in the areas of mathematics, health and environmental education research that are so central to responding to these global pressures and potential solutions. We need to think critically about education research design and practice as part of a considered and robust discussion of education research theory and practice that will inform and help shape education systems into the future. This volume responds to these challenges, casting fresh light on contemporary methodologies fit for reconsidering education into the future. Chapters explore post-qualitative inquiry, with overviews and practices, arts-based and interdisciplinary methodologies, self-study and auto-ethnography for the Anthropocene, co-design with teachers, researching for system change, the ethics of 'netnography', and principles and practices of literature review.

Special Topics In Science Education Research - Prof. Dr. İlbilge DÖKME 2020-06-09

Global Topics and Issues - for Research and Writing - EducationForWorldSolutions.org 2018-06-27

This Global ED booklet includes 10 pages of general Global Topics for student research, as well as a larger comprehensive section with more specific Global Issues for student research and writing assignments. This booklet is part of a larger book, called _ Global Education - Research &

Writing on Global Issues, available from Amazon, which includes: (1) Objectives & Themes of Global Education; (2) Lesson Plans for researching & writing about Global Issues; (3) Ideas for a Semester or Year Course in Global Issues; (4) Student Worksheets with questions & note-taking; (5) Research & Writing Guidelines with rubric; (6) For teachers -Learning Objectives & Teaching Approaches; (7) Critical Thinking questions, discussion guidelines and glossary; (8) References & Resources; Also included is the large comprehensive Outline of Global Topics & Issues for research & writing, as published here.

Scientific Research in Education - National Research Council 2002-03-28

Researchers, historians, and philosophers of science have debated the nature of scientific research in education for more than 100 years. Recent enthusiasm for "evidence-based" policy and practice in educationâ€"now codified in the federal law that authorizes the bulk of elementary and secondary education programsâ€"have brought a new sense of urgency to understanding the ways in which the basic tenets of science manifest in the study of teaching, learning, and schooling. Scientific Research in Education describes the similarities and differences between scientific inquiry in education and scientific inquiry in other fields and disciplines and provides a number of examples to illustrate these ideas. Its main argument is that all scientific endeavors share a common set of principles, and that each fieldâ€"including education researchâ€"develops a specialization that accounts for the particulars of what is being studied. The book also provides suggestions for how the federal government can best support high-quality scientific research in education.

Developing Research in Mathematics Education - Tommy Dreyfus 2018-04-27

Developing Research in Mathematics Education is the first book in the series New Perspectives on Research in Mathematics Education, to be produced in association with the prestigious European Society for Research in Mathematics Education. This inaugural volume sets out broad advances in research in mathematics education which have

accumulated over the last 20 years through the sustained exchange of ideas and collaboration between researchers in the field. An impressive range of contributors provide specifically European and complementary global perspectives on major areas of research in the field on topics that include: the content domains of arithmetic, geometry, algebra, statistics, and probability; the mathematical processes of proving and modeling; teaching and learning at specific age levels from early years to university; teacher education, teaching and classroom practices; special aspects of teaching and learning mathematics such as creativity, affect, diversity, technology and history; theoretical perspectives and comparative approaches in mathematics education research. This book is a fascinating compendium of state-of-the-art knowledge for all mathematics education researchers, graduate students, teacher educators and curriculum developers worldwide.

Researching Higher Education in Asia - Jisun Jung 2017-09-05
This book discusses higher education research as a field of study in Asia. It traces the evolution of research in the field of higher education in several Asian countries, and shares ideas about the evolving higher education research communities in Asia. It also identifies common and dissimilar challenges across national communities, providing researchers and policymakers essential new insights into the relevance of a greater regional articulation of national higher education research communities, and their further integration into and contribution to the international higher education research community as a whole.

Discipline-Based Education Research - National Research Council 2012-08-27
The National Science Foundation funded a synthesis study on the status, contributions, and future direction of discipline-based education research (DBER) in physics, biological sciences, geosciences, and chemistry. DBER combines knowledge of teaching and learning with deep knowledge of discipline-specific science content. It describes the discipline-specific difficulties learners face and the specialized intellectual and instructional resources that can facilitate student understanding. Discipline-Based Education Research is based on a 30-

month study built on two workshops held in 2008 to explore evidence on promising practices in undergraduate science, technology, engineering, and mathematics (STEM) education. This book asks questions that are essential to advancing DBER and broadening its impact on undergraduate science teaching and learning. The book provides empirical research on undergraduate teaching and learning in the sciences, explores the extent to which this research currently influences undergraduate instruction, and identifies the intellectual and material resources required to further develop DBER. Discipline-Based Education Research provides guidance for future DBER research. In addition, the findings and recommendations of this report may invite, if not assist, post-secondary institutions to increase interest and research activity in DBER and improve its quality and usefulness across all natural science disciples, as well as guide instruction and assessment across natural science courses to improve student learning. The book brings greater focus to issues of student attrition in the natural sciences that are related to the quality of instruction. Discipline-Based Education Research will be of interest to educators, policy makers, researchers, scholars, decision makers in universities, government agencies, curriculum developers, research sponsors, and education advocacy groups.

Researching Higher Education - Tight, Malcolm 2012-08-01
"The first edition of Researching Higher Education has been a very helpful resource for those trying to make sense of the field of higher education. Malcolm Tight has accomplished a tour de force by updating and expanding that edition. This volume includes up-to-date analyses of recent higher education publications and thoughtful reflections on methodology and theory in higher education research. Requisite reading for novices to the field, but also for the experienced researchers trying to keep abreast of the developments in the field." Professor Jeroen Huisman, Director International Centre for Higher Education Management, School of Management, University of Bath, UK "The most comprehensive overview of research on higher education available, Researching Higher Education provides a multidisciplinary perspective of the field. This book will be valuable for students thinking about

research as well as anyone wanting a perspective on research directions on higher education." Philip G. Altbach, Monan Professor of Higher Education, Director, Center for International Higher Education, Boston College, USA This authoritative book couples an overview of the principal current areas of research into higher education with a guide to the processes involved in undertaking such research. Comprehensively updated throughout, this new edition examines the current state of higher education research with brand new case studies and has been expanded to include North American work. The book also includes: Analysis of published research by topic, method, theory and level Detailed discussion of selected examples of published research Suggestions on under-researched topics Guidance on publication outlets Consideration is given to research design and questions, funding, progressing research projects, publication and dissemination. Researching Higher Education will be of value to students and academics researching the higher education experience as well as appealing to experienced researchers seeking an overview or insights into new areas and alternative methods.

Affective Learning in Digital Education - Andreas Gegenfurtner 2021-03-01

Higher Education Research - Malcolm Tight 2018-11-15
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.

Topics and Trends in Current Statistics Education Research - Gail Burrill 2018-12-29
This book focuses on international research in statistics education, providing a solid understanding of the challenges in learning statistics. It presents the teaching and learning of statistics in various contexts, including designed settings for young children, students in formal schooling, tertiary level students, and teacher professional development. The book describes research on what to teach and platforms for delivering content (curriculum), strategies on how to teach for deep understanding, and includes several chapters on developing conceptual understanding (pedagogy and technology), teacher knowledge and beliefs, and the challenges teachers and students face when they solve statistical problems (reasoning and thinking). This new research in the field offers critical insights for college instructors, classroom teachers, curriculum designers, researchers in mathematics and statistics education as well as policy makers and newcomers to the field of statistics education. Statistics has become one of the key areas of study in the modern world of information and big data. The dramatic increase in demand for learning statistics in all disciplines is accompanied by tremendous growth in research in statistics education. Increasingly, countries are teaching more quantitative reasoning and statistics at lower and lower grade levels within mathematics, science and across many content areas. Research has revealed the many challenges in helping learners develop statistical literacy, reasoning, and thinking, and new curricula and technology tools show promise in facilitating the achievement of these desired outcomes.

Educational Research - Meredith D. Gall 2007
Educational Research: An Introduction, Eighth Edition, is the most comprehensive and widely respected text for scholars and for the preparation of graduate-level students who need to understand educational research in depth and conduct original research for a dissertation or thesis. A comprehensive introduction to the major research methods and types of data analysis used today, this text

provides in-depth coverage of all facets of research, from the epistemology of quantitative and qualitative scientific inquiry to the design, data collection, analysis, and reporting of a completed study.

Digital Technologies and Instructional Design for Personalized Learning - Zheng, Robert 2018-03-02

When facilitating high-quality education, using digital technology to personalize students' learning is a focus in the development of instruction. There is a need to unify the multifaceted directions in personalized learning by presenting a coherent and organized vision in the design of personalized learning using digital technology. Digital Technologies and Instructional Design for Personalized Learning is a critical scholarly resource that highlights the theories, principles, and learning strategies in personalized learning with digital technology. Featuring coverage on a broad range of topics, such as collaborative learning, instructional design, and computer-supported collaborative learning, this book is geared towards educators, professionals, school administrators, academicians, researchers, and students seeking current research on the area of personalized learning with digital technology.