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College Physics

Breton Publishing Company

Formal Concept Analysis

12th International Conference, ICFCA 2014, Cluj-Napoca, Romania , June 10-13, 2014. Proceedings

Springer This book constitutes the refereed proceedings of the 12th International Conference on Formal Concept Analysis, ICFCA 2014, held in Cluj-Napoca, Romania, in June 2014. The 16 regular papers presented together with 3 invited talks were carefully reviewed and selected from 39 submissions. The papers in this volume cover a rich range of FCA aspects, such as theory, enhanced FCA. Knowledge discovery and knowledge spaces, as well as methods and applications. In addition the book contains a reprint of the first publication "Sub direct decomposition of concept lattices" by Rudolf Wille.

A Framework for K-12 Science Education

Practices, Crosscutting Concepts, and Core Ideas

National Academies Press Science, engineering, and technology permeate nearly every facet of modern life and hold the key to solving many of humanity's most pressing current and future challenges. The United States' position in the global economy is declining, in part because U.S. workers lack fundamental knowledge in these fields. To address the critical issues of U.S. competitiveness and to better prepare the workforce, A Framework for K-12 Science Education proposes a new approach to K-12 science education that will capture students' interest and provide them with the necessary foundational knowledge in the field. A Framework for K-12 Science Education outlines a broad set of expectations for students in science and engineering in grades K-12. These expectations will inform the development of new standards for K-12 science education and, subsequently, revisions to curriculum, instruction, assessment, and professional development for educators. This book identifies three dimensions that convey the core ideas and practices around which science and engineering education in these grades should be built. These three dimensions are: crosscutting concepts that unify the study of science through their common application across science and engineering; scientific and engineering practices; and disciplinary core ideas in the physical sciences, life sciences, and earth and space sciences and for engineering, technology, and the applications of science. The overarching goal is for all high school graduates to have sufficient knowledge of science and engineering to engage in public discussions on science-related issues, be careful consumers of scientific and technical information, and enter the careers of their choice. A Framework for K-12 Science Education is the first step in a process that can inform state-level decisions and achieve a research-grounded basis for improving science instruction and learning across the country. The book will guide standards developers, teachers, curriculum designers, assessment developers, state and district science administrators, and educators who teach science in informal environments.

University Physics

"University Physics is a three-volume collection that meets the scope and sequence requirements for two- and three-semester calculus-based physics courses. Volume 1 covers mechanics, sound, oscillations, and waves. This textbook emphasizes connections between theory and application, making physics concepts interesting and accessible to students while maintaining the mathematical rigor inherent in the subject. Frequent, strong examples focus on how to approach a problem, how to work with the equations, and how to check and generalize the result."--Open Textbook Library.

Anatomy & Physiology

Congressional Record

University Physics

University Physics is a three-volume collection that meets the scope and sequence requirements for two- and three-semester calculus-based physics courses. Volume 1 covers mechanics, sound, oscillations, and waves. Volume 2 covers thermodynamics, electricity and magnetism, and Volume 3 covers optics and modern physics. This textbook emphasizes connections between between theory and application, making physics concepts interesting and accessible to students while maintaining the mathematical rigor inherent in the subject. Frequent, strong examples focus on how to approach a problem, how to work with the equations, and how to check and generalize the result. The text and images in this textbook are grayscale.

Designing Engineering and Technology Curricula

Embedding Educational Philosophy

Springer Nature The intention of this book is to demonstrate that curriculum design is a profoundly philosophical exercise that stems from perceptions of the mission of higher education. Since the curriculum is the formal mechanism through which intended aims are achieved, philosophy has a profound role to play in the determination of aims. It is argued that the curriculum is far more than a list of subjects and syllabi, or that it is the addition, and subtraction, of items from a syllabus, or whether this subject should be added and that subject taken away. This book explores how curricular aims and objectives are developed by re-examining the curriculum of higher education and how it is structured in the light of its increasing costs, rapidly changing technology, and the utilitarian philosophy that currently governs the direction of higher education. It is concluded that higher education should be a preparation for and continuing support for life and work, a consequence of which is that it has to equip graduates with skill in independent learning (and its planning), and reflective practice. A transdisciplinary curriculum with technology at its core is deduced that serves the four realities of the person, the job, technology, and society.

The Fourth Industrial Revolution

Currency World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine “smart factories” in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

An Experiment in Responsible Learning

A Report to the Carnegie Foundation on Projects in Evaluation of Secondary School Progress, 1929-1938

Understanding Second Language Acquisition

Routledge Whether we grow up with one, two, or several languages during our early years of life, many of us will learn a second, foreign, or heritage language in later years. The field of Second language acquisition (SLA, for short) investigates the human capacity to learn additional languages in late childhood, adolescence, or adulthood, after the first language --in the case of monolinguals-- or languages --in the case of bilinguals-- have already been acquired. Understanding Second Language Acquisition offers a wide-encompassing survey of this burgeoning field, its accumulated findings and proposed theories, its developed research paradigms, and its pending questions for the future. The book zooms in and out of universal, individual, and social forces, in each case evaluating the research findings that have been generated across diverse naturalistic and formal contexts for second language acquisition. It assumes no background in SLA and provides helpful chapter-by-chapter summaries and suggestions for further reading. Ideal as a textbook for students of applied linguistics, foreign language education, TESOL, and education, it is also recommended for students of linguistics, developmental psycholinguistics, psychology, and cognitive science. Supporting resources for tutors are available free at www.routledge.com/ortega.

Parliamentary Debates (Hansard).

House of Commons official report

Progress in Mathematics 2006

What the Best College Teachers Do

Harvard University Press Winner of the Virginia and Warren Stone Prize awarded annually by Harvard University Press for an outstanding book on education and society What makes a great teacher great? Who are the professors students remember long after graduation? This book, the conclusion of a fifteen-year study of nearly one hundred college teachers in a wide variety of fields and universities, offers valuable answers for all educators. The short answer is—it's not what teachers do, it's what they understand. Lesson plans and lecture notes matter less than the special way teachers comprehend the subject and value human learning. Whether historians or physicists, in El Paso or St. Paul, the best teachers know their subjects inside and out—but they also know how to engage and challenge students and to provoke impassioned responses. Most of all, they believe two things fervently: that teaching matters and that students can learn.

Jesuits and the Natural Sciences in Modern Times, 1814–2014

BRILL From 1814, linked to their educational work, Jesuits made significant contributions to the natural sciences, especially in the fields of astronomy, meteorology, seismology, terrestrial magnetism, mathematics, and biology in a worldwide network of universities, secondary schools and observatories.

Seven Brief Lessons on Physics

Penguin The New York Times bestseller from the author of *The Order of Time* and *Reality Is Not What It Seems* and *Helgoland* “One of the year’s most entrancing books about science.”—The Wall Street Journal “Clear, elegant...a whirlwind tour of some of the biggest ideas in physics.”—The New York Times Book Review This playful, entertaining, and mind-bending introduction to modern physics briskly explains Einstein's general relativity, quantum mechanics, elementary particles, gravity, black holes, the complex architecture of the universe, and the role humans play in this weird and wonderful world. Carlo Rovelli, a renowned theoretical physicist, is a delightfully poetic and philosophical scientific guide. He takes us to the frontiers of our knowledge: to the most minute reaches of the fabric of space, back to the origins of the cosmos, and into the workings of our minds. The book celebrates the joy of discovery. “Here, on the edge of what we know, in contact with the ocean of the unknown, shines the mystery and the beauty of the world,” Rovelli writes. “And it’s breathtaking.”

Physics in Nuclear Medicine

Elsevier Health Sciences **Physics in Nuclear Medicine** - by Drs. Simon R. Cherry, James A. Sorenson, and Michael E. Phelps - provides current, comprehensive guidance on the physics underlying modern nuclear medicine and imaging using radioactively labeled tracers. This revised and updated fourth edition features a new full-color layout, as well as the latest information on instrumentation and technology. Stay current on crucial developments in hybrid imaging (PET/CT and SPECT/CT), and small animal imaging, and benefit from the new section on tracer kinetic modeling in neuroreceptor imaging. What's more, you can reinforce your understanding with graphical animations online at www.expertconsult.com, along with the fully searchable text and calculation tools. Master the physics of nuclear medicine with thorough explanations of analytic equations and illustrative graphs to make them accessible. Discover the technologies used in state-of-the-art nuclear medicine imaging systems Fully grasp the process of emission computed tomography with advanced mathematical concepts presented in the appendices. Utilize the extensive data in the day-to-day practice of nuclear medicine practice and research. Tap into the expertise of Dr. Simon Cherry, who contributes his cutting-edge knowledge in nuclear medicine instrumentation. Stay current on the latest developments in nuclear medicine technology and methods New sections to learn about hybrid imaging (PET/CT and SPECT/CT) and small animal imaging. View graphical animations online at www.expertconsult.com, where you can also access the fully searchable text and calculation tools. Get a better view of images and line art and find information more easily thanks to a brand-new, full-color layout. The perfect reference or textbook to comprehensively review physics principles in nuclear medicine.

Introduction to Computational Science

Modeling and Simulation for the Sciences, Second Edition

Princeton University Press **Computational science** is an exciting new field at the intersection of the sciences, computer science, and mathematics because much scientific investigation now involves computing as well as theory and experiment. This textbook provides students with a versatile and accessible introduction to the subject. It assumes only a background in high school algebra, enables instructors to follow tailored pathways through the material, and is the only textbook of its kind designed specifically for an introductory course in the computational science and engineering curriculum. While the text itself is generic, an accompanying website offers tutorials and files in a variety of software packages. This fully updated and expanded edition features two new chapters on agent-based simulations and modeling with matrices, ten new project modules, and an additional module on diffusion. Besides increased treatment of high-performance computing and its applications, the book also includes additional quick review questions with answers, exercises, and individual and team projects. The only introductory textbook of its kind—now fully updated and expanded Features two new chapters on agent-based simulations and modeling with matrices Increased coverage of high-performance computing and its applications Includes additional modules, review questions, exercises, and projects An online instructor's manual with exercise answers, selected project solutions, and a test bank and solutions (available only to professors) An online illustration package is available to professors

Education at a Glance 2014 OECD Indicators

OECD Indicators

OECD Publishing This book provides annual data on the structure, finances, and performance of education systems in the OECD's 34 member countries, as well as a number of partner countries.

Significant Benefits

The High-Scope Perry Preschool Study Through Age 27

High/Scope Foundation Latest monograph in the High/Scope Perry Preschool series. The findings indicate that the young people who attended the Perry Preschool program in the early 1960s continued at age 27 to outperform peers who did not attend preschool, in terms of both educational and life success.

Reading in the mobile era

a study of mobile reading in developing countries

UNESCO Millions of people do not read for one reason: they do not have access to text. But mobile phones and cellular networks are transforming a scarce resource into an abundant one. Drawing on the analysis of over 4,000 surveys collected in seven developing countries and corresponding qualitative interviews, this report paints a detailed picture of who reads books and stories on mobile devices and why. The findings illuminate, for the first time, the habits, beliefs and profiles of mobile readers in developing countries. This information points to strategies to expand mobile reading and, by extension, the educational and socio-economic benefits associated with increased reading. Mobile technology can advance literacy and learning in underserved communities around the world. This report shows how.

Our Mathematical Universe

My Quest for the Ultimate Nature of Reality

Vintage **Max Tegmark** leads us on an astonishing journey through past, present and future, and through the physics, astronomy and mathematics that are the foundation of his work, most particularly his hypothesis that our physical reality is a mathematical structure and his theory of the ultimate multiverse. In a dazzling combination of both popular and groundbreaking science, he not only helps us grasp his often mind-boggling theories, but he also shares with us some of the often surprising triumphs and disappointments that have shaped his life as a scientist. Fascinating from first to last—this is a book that has already prompted the attention and admiration of some of the most prominent scientists and mathematicians.

The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies

W. W. Norton & Company **A pair of technology experts** describe how humans will have to keep pace with machines in order to become prosperous in the future and identify strategies and policies for business and individuals to use to combine digital processing power with human ingenuity.

Physical Science

Questions and Answers

Passbooks **The DSST Subject Standardized Tests** are comprehensive college and graduate level examinations given by the Armed Forces, colleges and graduate schools. These exams enable students to earn college credit for what they have learned through self-study, on the job, or by other non-traditional means. The **DSST Physical Science Passbook®** prepares candidates for the DSST exam, which enables schools to award credit for knowledge acquired outside the normal classroom environment. It provides a series of informational texts as well as hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: physics; electricity and magnetism; matter; chemical reactions; atomic structure; and more.

The Future of Nursing

Leading Change, Advancing Health

National Academies Press **The Future of Nursing** explores how nurses' roles, responsibilities, and education should change significantly to meet the increased demand for care that will be created by health care reform and to advance improvements in America's increasingly complex health system. At more than 3 million in number, nurses make up the single largest segment of the health care work force. They also spend the greatest amount of time in delivering patient care as a profession. Nurses therefore have valuable insights and unique abilities to contribute as partners with other health care professionals in improving the quality and safety of care as envisioned in the Affordable Care Act (ACA) enacted this year. Nurses should be fully engaged with other health professionals and assume leadership roles in redesigning care in the United States. To ensure its members are well-prepared, the profession should institute residency training for nurses, increase the percentage of nurses who attain a bachelor's degree to 80 percent by 2020, and double the number who pursue doctorates. Furthermore, regulatory and institutional obstacles -- including limits on nurses' scope of practice -- should be removed so that the health system can reap the full benefit of nurses' training, skills, and knowledge in patient care. In this book, the Institute of Medicine makes recommendations for an action-oriented blueprint for the future of nursing.

Distribution and Differentiation of Youth

A Study of Transition from School to College

How Students Learn

Science in the Classroom

National Academies Press **How Students Learn: Science in the Classroom** builds on the discoveries detailed in the best-selling **How People Learn**. Now these findings are presented in a way that teachers can use immediately, to revitalize their work in the classroom for even greater effectiveness. Organized for utility, the book explores how the principles of learning can be applied in science at three levels: elementary, middle, and high school. Leading educators explain in detail how they developed successful curricula and teaching approaches, presenting strategies that serve as models for curriculum development and classroom instruction. Their recounting of personal teaching experiences lends strength and warmth to this volume. This book discusses how to build straightforward science experiments into true understanding of scientific principles. It also features illustrated suggestions for classroom activities.

The New International Year Book

ERIC Educational Documents Index

"A subject-author-institution index which provides titles and accession numbers to the document and report literature that was announced in the monthly issues of *Resources in education*" (earlier called *Research in education*).

World Migration Report 2020

United Nations Since 2000, IOM has been producing world migration reports. The World Migration Report 2020, the tenth in the world migration report series, has been produced to contribute to increased understanding of migration throughout the world. This new edition presents key data and information on migration as well as thematic chapters on highly topical migration issues, and is structured to focus on two key contributions for readers: Part I: key information on migration and migrants (including migration-related statistics); and Part II: balanced, evidence-based analysis of complex and emerging migration issues.

Introduction to Sociology 2e

Introduction to Sociology 2e adheres to the scope and sequence of a typical, one-semester introductory sociology course. It offers comprehensive coverage of core concepts, foundational scholars, and emerging theories, which are supported by a wealth of engaging learning materials. The textbook presents detailed section reviews with rich questions, discussions that help students apply their knowledge, and features that draw learners into the discipline in meaningful ways. The second edition retains the book's conceptual organization, aligning to most courses, and has been significantly updated to reflect the latest research and provide examples most relevant to today's students. In order to help instructors transition to the revised version, the 2e changes are described within the preface. The images in this textbook are grayscale. Authors include: Heather Griffiths, Nathan Keirns, Eric Strayer, Susan Cody-Rydzewski, Gail Scaramuzzo, Tommy Sadler, Sally Vyain, Jeff Bry, Faye Jones

Nodal Discontinuous Galerkin Methods

Algorithms, Analysis, and Applications

Springer Science & Business Media This book offers an introduction to the key ideas, basic analysis, and efficient implementation of discontinuous Galerkin finite element methods (DG-FEM) for the solution of partial differential equations. It covers all key theoretical results, including an overview of relevant results from approximation theory, convergence theory for numerical PDE's, and orthogonal polynomials. Through embedded Matlab codes, coverage discusses and implements the algorithms for a number of classic systems of PDE's: Maxwell's equations, Euler equations, incompressible Navier-Stokes equations, and Poisson- and Helmholtz equations.

Ready, Set, SCIENCE!

Putting Research to Work in K-8 Science Classrooms

National Academies Press What types of instructional experiences help K-8 students learn science with understanding? What do science educators, teachers, teacher leaders, science specialists, professional development staff, curriculum designers, and school administrators need to know to create and support such experiences? Ready, Set, Science! guides the way with an account of the groundbreaking and comprehensive synthesis of research into teaching and learning science in kindergarten through eighth grade. Based on the recently released National Research Council report Taking Science to School: Learning and Teaching Science in Grades K-8, this book summarizes a rich body of findings from the learning sciences and builds detailed cases of science educators at work to make the implications of research clear, accessible, and stimulating for a broad range of science educators. Ready, Set, Science! is filled with classroom case studies that bring to life the research findings and help readers to replicate success. Most of these stories are based on real classroom experiences that illustrate the complexities that teachers grapple with every day. They show how teachers work to select and design rigorous and engaging instructional tasks, manage classrooms, orchestrate productive discussions with culturally and linguistically diverse groups of students, and help students make their thinking visible using a variety of representational tools. This book will be an essential resource for science education practitioners and contains information that will be extremely useful to everyone – including parents – directly or indirectly involved in the teaching of science.

Moisture Control Guidance for Building Design, Construction and Maintenance

An Introduction to Statistical Learning

with Applications in R

Springer Science & Business Media An Introduction to Statistical Learning provides an accessible overview of the field of statistical learning, an essential toolset for making sense of the vast and complex data sets that have emerged in fields ranging from biology to finance to marketing to astrophysics in the past twenty years. This book presents some of the most important modeling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, clustering, and more. Color graphics and real-world examples are used to illustrate the methods presented. Since the goal of this textbook is to facilitate the use of these statistical learning techniques by practitioners in science, industry, and other fields, each chapter contains a tutorial on implementing the analyses and methods presented in R, an extremely popular open source statistical software platform. Two of the authors co-wrote The Elements of Statistical Learning (Hastie, Tibshirani and Friedman, 2nd edition 2009), a popular reference book for statistics and machine learning researchers. An Introduction to Statistical Learning covers many of the same topics, but at a level accessible to a much broader audience. This book is targeted at statisticians and non-statisticians alike who wish to use cutting-edge statistical learning techniques to analyze their data. The text assumes only a previous course in linear regression and no knowledge of matrix algebra.

The New International Year Book

A Compendium of the World's Progress ...

Digest of Education Statistics 2012

Government Printing Office **Digest of Education Statistics 2012** is the 48th in a series of publications initiated in 1962. Its primary purpose is to provide a compilation of statistical information covering the broad field of American education--from pre-kindergarten through graduate school--drawn from government and private sources, but especially from surveys and other activities led by NCES (National Center for Education Statistics) part of the Institute for Education Sciences (IES). The digest contains data on the number of schools, students, and teachers, as well as statistics on educational attainment, finances, libraries, technology, and international comparisons. Details on population trends, education attitudes, labor force characteristics, and federal aid supplies helpful background for evaluating the education data. This statistical reference could be helpful to parents choosing schools for their children as well as for teachers, librarians, and public administrators as it tracks enrollment, population trends and key areas of studies with student progress. It also tracks the post-secondary/college level detailing undergraduate tuition and room/board ESTIMATE costs at private nonprofit institutions, private for profit institutions and public institutions. It also tallies the number of postsecondary degrees and provides some gender demographics in this area. The Digest contains seven chapters: All Levels of Education, Elementary and Secondary Education, Postsecondary Education, Federal Programs for Education and Related Activities, Outcomes of Education, International Comparisons of Education, and Libraries and Adult Education. Preceding these chapters is an Introduction that provides a brief overview of current trends in American education, which supplements the tabular materials in chapters 1 through 7. The Digest concludes with three appendixes. The first appendix, Guide to Sources, provides a brief synopsis of the surveys used to generate the Digest tables; the second, Definitions, is included to help readers understand terms used in the Digest; and the third, Index of Table Numbers, allows readers to quickly locate tables on specific topics. In addition to updating many of the statistics that have appeared in previous years, this edition contains new material, including: Percentage distribution of 6- to 18-year olds, by parent's highest level of educational attainment, household type (either two-parent or single-parent), and child's race/ethnicity (table 12); Enrollment and percentage distribution of enrollment in public elementary and secondary schools, by race/ethnicity and region (table 44); Number and percentage of public school students participating in programs for English language learners, by state (table 47); Children 3 to 21 years old served under Individuals with Disabilities Education Act, Part B, by age group and race/ethnicity (table 49); Percentage of 3-, 4-, and 5-year-old children enrolled in preprimary programs, by attendance status, level of program, and selected child and family characteristics (table 57); Number and enrollment of public elementary and secondary schools that have closed, by school level and type (table 109); Number and percentage distribution of public school students eligible for free or reduced-price lunch, by school level, locale, and student race/ethnicity (table 112); Public elementary and secondary charter schools and enrollment, by state (table 117); First-time kindergartners' reading, mathematics, science, cognitive flexibility, and approaches to learning scale scores in fall and spring of the kindergarten year, by selected child, family, and school characteristics (table 135); Number and percentage distribution of kindergartners, by kindergarten entry status (i.e., early entrant, on-time entrant, delayed entrant, or kindergarten repeater) and selected child, family, and school characteristics (table 136); Kindergartners' reading, mathematics, science, cognitive flexibility, and approaches to learning scale scores in fall and spring of the kindergarten year, by kindergarten entry status (table 137); Percentage of 9th-grade students participating in various school-sponsored and non-school-sponsored activities, by sex and race/ethnicity (table 183); Percentage of 4th-, 8th-, and 12th-graders absent from school in the last month, by selected student and school characteristics and number of days absent (table 187); Total and current expenditures per pupil in fall enrollment in public elementary and secondary schools, by function and subfunction (table 214); Total fall enrollment in all postsecondary institutions participating in Title IV programs, by degree-granting status and control of institution (table 222); Percentage of recent high school completers enrolled in 2-year and 4-year colleges, by income level (table 236); Number of postsecondary students who entered the student loan repayment phase, number of students who defaulted, and 2-year student loan cohort default rates, by level and control of institution (table 400); Number and percentage of persons 16 to 24 years old who were neither enrolled in school nor working, by educational attainment, age group, family poverty status, and race/ethnicity (table 429); Employment to population ratios of all persons, males, and females 16 to 64 years old, by age group and educational attainment (tables 431, 432, and 433); Unemployment rates of all persons, males, and females 16 to 64 years old, by age group and educational attainment (tables 434, 435, and 436); Percentage of high school students age 16 over who were employed, by age group, sex, race/ethnicity, family income, nativity, and hours worked per week (table 441); and Average reading literacy scale scores of fourth-graders and percentage whose schools emphasize reading skills and strategies at or before second grade or at third grade, by sex and country or other education system (table 462).

A Taxonomy for Learning, Teaching, and Assessing

A Revision of Bloom's Taxonomy of Educational Objectives

Pearson This revision of Bloom's taxonomy is designed to help teachers understand and implement standards-based curriculums. Cognitive psychologists, curriculum specialists, teacher educators, and researchers have developed a two-dimensional framework, focusing on knowledge and cognitive processes. In combination, these two define what students are expected to learn in school. It explores curriculums from three unique perspectives--cognitive psychologists (learning emphasis), curriculum specialists and teacher educators (C & I emphasis), and measurement and assessment experts (assessment emphasis). This revisited framework allows you to connect learning in all areas of curriculum. Educators, or others interested in educational psychology or educational methods for grades K-12.

Qualitative Content Analysis

A Step-by-Step Guide

SAGE In eight clear-cut steps, this book provides a systematic introduction to qualitative content analysis and how you can use it in each stage of your research project, no matter the type or amount of data. Developed by a leading expert in the field and based on years of teaching experience, this book offers an essential framework for interpreting qualitative data for any social sciences student or researcher. To support you in choosing the best approach for your research, this book includes: · Examples of how QCA can be applied to various research processes · An introduction to text analysis and its different approaches · Discussions of how to use QCA software to benefit your research · An online how-to manual to help you get the most out of QCAnap software. It also introduces the process of scientific research, and integrates qualitative and quantitative analysis into the step-by-step approach.

Government Reports Annual Index