

Active Learning 101 Strategies To Teach Any Subject Free

Active Training has become a classic book in the field of training and development and a standard text on graduate-level HRD programs. It turned instructional design on its head by shifting the emphasis away from the instructor and on to the learner. A lot has happened in the training field in the last 10 years since the previous edition was written and this new edition -- the third significant update in 25 years -- adds sections to comprehensively cover new learning technologies and applications, including social media, m-learning, and creating affordable media; addresses the evolving role of trainers, including onboarding, leading change, coaching managers, mentoring, internal consulting, and building teams; tackles new business realities and challenges, including doing more with less, globalization, and working with multi-generational workforces; and offers best practices for new trainer tasks, skills, and knowledge, including working with the C-suite, engaging and retaining employees, developing leaders, vendor management, and working with SMEs. Revisions include updated workplace examples, new and revised templates and worksheets, updated theory and research sections, and expanded guidelines on evaluating and training ROI, extending the value of training programs, and managing Active Training programs to show state-of-the-art applications. What will continue to set these books apart is the relevance of dozens of new examples, the wisdom and impact of fresh practical tips, and the rigor and expertise supporting dozens of exercises and techniques.

Discusses the best methods of learning, describing how rereading and rote repetition are counterproductive and how such techniques as self-testing, spaced retrieval, and finding additional layers of information in new material can enhance learning.

This revised and greatly expanded edition of the 1988 handbook offers teachers at all levels how-to advise on classroom assessment, including: What classroom assessment entails and how it works. How to plan, implement, and analyze assessment projects. Twelve case studies that detail the real-life classroom experiences of teachers carrying out successful classroom assessment projects. Fifty classroom assessment techniques Step-by-step procedures for administering the techniques Practical advice on how to analyze your data Order your copy today.

While Active Learning Classrooms, or ALCs, offer rich new environments for learning, they present many new challenges to faculty because, among other things, they eliminate the room's central focal point and disrupt the conventional seating plan to which faculty and students have become accustomed. The importance of learning how to use these classrooms well and to capitalize on their special features is paramount. The potential they represent can be realized only when they facilitate improved learning outcomes and engage students in the learning process in a manner different from traditional classrooms and lecture halls. This book provides an introduction to ALCs, briefly covering their history and then synthesizing the research on these spaces to provide faculty with empirically based, practical guidance on how to use these unfamiliar spaces effectively. Among the questions this book addresses are:

- How can instructors mitigate the apparent lack of a central focal point in the space?
- What types of learning activities work well in the ALCs and take advantage of the affordances of the room?
- How can teachers address familiar classroom-management challenges in these unfamiliar spaces?
- If assessment and rapid feedback are critical in active learning, how do they work in a room filled with circular tables and no central focus point?
- How do instructors balance group learning with the needs of the larger class?
- How can students be held accountable when many will necessarily have their backs facing the instructor?
- How can instructors evaluate the effectiveness of their teaching in these spaces?

This book is intended for faculty preparing to teach in or already working in this new classroom environment; for administrators planning to create ALCs or experimenting with provisionally designed rooms; and for faculty developers helping teachers transition to using these new spaces.

Keys to engaging secondary students Research shows that all students—regardless of learning style, disability category, or language difference—learn more effectively when they are engaged in active learning. This book shows teachers how to help all students achieve positive learning outcomes. The authors provide a compilation of strategies that serve as blueprints for instructional design and directions for using them across a variety of content areas. The many benefits of active learning include: A more engaged and interactive classroom Increased self-directed learning Development of higher-order thinking skills such as analysis, synthesis, evaluation Improved reading, discussion, and writing competencies

Active Learning 101 Strategies to Teach Any Subject Prentice Hall

Student engagement happens as a result of a teacher's careful planning and execution of specific strategies. This self-study text provides in-depth understanding of how to generate high levels of student attention and engagement. Using the suggestions in this book, every teacher can create a classroom environment where engagement is the norm, not the exception.

This new volume features 101 fresh strategies to design and deliver online active training for any topic. Trainers will discover a toolkit full of creative, challenging, and fun ways to enliven learning. Designed so readers can more easily identify strategies that hold the most promise for specific training situations, topics, and learning objectives, as well as providing suggested conditions for each: length of time, number of participants, etc. Each strategy is illustrated with a case example. Also features 20 how-to lists (200 total) that any trainer will find indispensable when facilitating online learning, including practical guidelines for setting up technology, choosing asynchronous vs. synchronous delivery, scheduling for multiple time zones, making lectures active, and much more. In addition to online learning activities for opening, training, and closing for a variety of categories, this volume features best practices from top experts for using social media and common e-learning tools, including PowerPoint and Articulate. Also offers tools and techniques for the full gamut of online learning practices, from gamification and simulations to serious games and m-learning. The strategies

and activities in this book are geared to classroom delivery of training. A separate collection is devoted entirely to online learning strategies and activities, *101 Ways to Make Online Learning Active*. What will continue to set these books apart is the relevance of dozens of new examples, the wisdom and impact of fresh practical tips, and the rigor and expertise supporting dozens of exercises and techniques.

Teaching for Learning is a comprehensive, practical resource for instructors that highlights and synthesizes proven teaching methods and active learning strategies. Each of the 101 entries describes an approach and lists its essential features and elements, demonstrates how the approach may be used in various educational contexts, reviews findings from the research literature, and describes techniques to improve effectiveness. Fully revised and updated to reflect the latest research and innovations in the field, this second edition also features critical new content on adapting techniques for use in online courses. Keeping students involved, motivated, and actively learning is challenging educators across the country, yet good advice on how to accomplish this has not been readily available. *Student Engagement Techniques* is a comprehensive resource that offers college teachers a dynamic model for engaging students and includes over one hundred tips, strategies, and techniques that have been proven to help teachers from a wide variety of disciplines and institutions motivate and connect with their students. The ready-to-use format shows how to apply each of the book's techniques in the classroom and includes purpose, preparation, procedures, examples, online implementation, variations and extensions, observations and advice, and key resources. "Given the current and welcome surge of interest in improving student learning and success, this guide is a timely and important tool, sharply focused on practical strategies that can really matter." —Kay McClenney, director, Center for Community College Student Engagement, Community College Leadership Program, the University of Texas at Austin "This book is a 'must' for every new faculty orientation program; it not only emphasizes the importance of concentrating on what students learn but provides clear steps to prepare and execute an engagement technique. Faculty looking for ideas to heighten student engagement in their courses will find useful techniques that can be adopted, adapted, extended, or modified." —Bob Smallwood, cocreator of CLASSE (Classroom Survey of Student Engagement) and assistant to the provost for assessment, Office of Institutional Effectiveness, University of Alabama "Elizabeth Barkley's encyclopedia of active learning techniques (here called SETs) combines both a solid discussion of the research on learning that supports the concept of engagement and real-life examples of these approaches to teaching in action." —James Rhem, executive editor, The National Teaching & Learning Forum

This invaluable resource can help transform online courses into exciting, meaningful, and active e-learning experiences. *75 e-Learning Activities* is filled with scores of e-learning activities and games that offer trainers and instructors a handbook for creating interactive and engaging online courses. Much like the activities and games used in traditional classroom training, these e-learning activities can be used to increase interactivity, engage learners, accomplish learning objectives, develop online relationships, promote active learning, and create learning communities. With many examples available on the CD-ROM for easy online transfer, the activities can help elaborate on course content through the use of online technologies such as chat rooms, email, or discussion boards.

Training expert Mel Silberman is the father of the popular and effective active training method. In his landmark textbook, *Active Training*, he identified the specific characteristics of the active training method that results in deeper learning and improved retention. Now, *Training the Active Training Way* takes the next step by distilling the active training method into eight core strategies that trainers can use to craft interactive and engaging training, even for the most challenging training assignments such as technical skills training, and information-rich (and often dull) content.

Presents learning activities for the beginning and middle of a teaching session in a middle or secondary classroom, and features concluding exercises to encourage reflection, retention, and application.

This multidisciplinary book represents an initial attempt to connect adult learning and knowledge management in theory and practice. It provides educators, learners and organizational development professionals with new strategies and resources for developing active and effective pedagogies, which in turn prepare learners and practitioners to manage knowledge in organizations and higher education. To do so, it gathers contributions and case studies from a diverse, global team of authors and provides a theoretical and practical outline of new strategies and methods for facilitating adult teaching and learning. It also provides a fresh reading of active learning methods, by adopting a knowledge management viewpoint that is broadly applicable, whether helping students master content in university courses, or helping organizations learn and change. The book is divided into three main sections: a) methods and theories for adult teaching and learning; b) knowledge management in education; and c) case studies and best practices that consider classroom learning, higher education change, and organization development.

Despite a growing body of research on teaching methods, instructors lack a comprehensive resource that highlights and synthesizes proven approaches. *Teaching for Learning* fills that gap. Each of the one hundred and one entries: describes an approach and lists its essential features and elements demonstrates how that approach has been used in education, including specific examples from different disciplines reviews findings from the research literature describes techniques to improve effectiveness. *Teaching for Learning* provides instructors with a resource grounded in the academic knowledge base, written in an easily accessible, engaging, and practical style.

Active Learning and Engagement Strategies presents over 60 ways to engage students through speaking, reading, writing, and movement. These strategies ensure that students are focused on and interacting with the concepts, processes, and information under study in ways that promote relevance and retention. The purposes, the processes, and the possibilities are explained with clarity and examples of classroom use with students of all ages are included. More than 50 tools and templates for this text are available online.

Praise for *How Learning Works* "How Learning Works is the perfect title for this excellent book. Drawing upon new research in psychology, education, and cognitive science, the authors have demystified a complex topic into clear explanations of seven powerful learning principles. Full of great ideas and practical suggestions, all based on solid research evidence, this book is essential reading for instructors at all levels who wish to improve their students' learning." —Barbara Gross Davis, assistant vice chancellor for educational development, University of California, Berkeley, and author, *Tools for Teaching* "This book is a must-read for every instructor, new or experienced. Although I have been teaching for almost thirty years, as I read this book I found myself resonating with many of its ideas, and I discovered new ways of thinking about teaching." —Eugenia T. Paulus, professor of chemistry, North Hennepin Community College, and 2008 U.S. Community Colleges Professor of the Year from The Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education "Thank you Carnegie Mellon for making accessible what has previously been inaccessible to those of us who are not learning

scientists. Your focus on the essence of learning combined with concrete examples of the daily challenges of teaching and clear tactical strategies for faculty to consider is a welcome work. I will recommend this book to all my colleagues." —Catherine M. Casserly, senior partner, The Carnegie Foundation for the Advancement of Teaching "As you read about each of the seven basic learning principles in this book, you will find advice that is grounded in learning theory, based on research evidence, relevant to college teaching, and easy to understand. The authors have extensive knowledge and experience in applying the science of learning to college teaching, and they graciously share it with you in this organized and readable book." —From the Foreword by Richard E. Mayer, professor of psychology, University of California, Santa Barbara; coauthor, *e-Learning and the Science of Instruction*; and author, *Multimedia Learning*

This monograph examines the nature of active learning at the higher education level, the empirical research on its use, the common obstacles and barriers that give rise to faculty resistance, and how faculty and staff can implement active learning techniques. A preliminary section defines active learning and looks at the current climate surrounding the concept. A second section, entitled "The Modified Lecture" offers ways that teachers can incorporate active learning into their most frequently used format: the lecture. The following section on classroom discussion explains the conditions and techniques needed for the most useful type of exchange. Other ways to promote active learning are also described including: visual learning, writing in class, problem solving, computer-based instruction, cooperative learning, debates, drama, role playing, simulations, games, and peer teaching. A section on obstacles to implementing active learning techniques leads naturally to the final section, "Conclusions and Recommendations," which outlines the roles that each group within the university can play in order to encourage the implementation of active learning strategies. The text includes over 200 references and an index. (JB)

"This anthology provides multiple research perspectives on how to develop engaging and effective online learning courses in the wake of the rapid digitalization of education"--

This book presents the research-based case that Learner Centered Teaching (LCT) offers the best means to optimize student learning in college, and offers examples and ideas for putting it into practice, as well the underlying rationale. It also starts from the premise that many faculty are much closer to being learner centered teachers than they think, but don't have the full conceptual understanding of the process to achieve its full impact. There is sometimes a gap between what we would like to achieve in our teaching and the knowledge and strategies needed to make it happen. LCT keeps all of the good features of a teacher-centered approach and applies them in ways that are in better harmony with how our brains learn. It, for instance, embraces the teacher as expert as well as the appropriate use of lecture, while also offering new, effective ways to replace practices that don't optimizing student learning. Neuroscience, biology and cognitive science research have made it clear that it is the one who does the work who does the learning. Many faculty do too much of the work for their students, which results in diminished student learning. To enable faculty to navigate this shift, Terry Doyle presents an LCT-based approach to course design that draws on current brain research on cognition and learning; on addressing the affective concerns of students; on proven approaches to improve student's comprehension and recall; on transitioning from "teller of knowledge" to a "facilitator of learning"; on the design of authentic assessment strategies – such as engaging students in learning experiences that model the real world work they will be asked to do when they graduate; and on successful communication techniques. The presentation is informed by the questions and concerns raised by faculty from over sixty colleges with whom Terry Doyle has worked; and on the response from an equal number of regional, national and international conferences at which he has presented on topics related to LCT.

Veteran educator Marilee Sprenger explains how to teach the essential, high-frequency words that appear in academic contexts--and reverse the disadvantages of what she calls "word poverty." Drawing on research and experience, Sprenger provides a rich array of engaging strategies to help educators across all content areas and grade levels not only teach students a large quantity of words but also ensure that they know these words well. You'll find * An overview of how the brain learns and retains new words, including the three stages of building long-term memories: encoding, storage, and retrieval. * Encoding strategies to introduce words in novel ways and jump-start the memory process. * Rehearsal strategies to help students put words into long-term storage. * Review strategies to help students strengthen their retrieval skills and gain the automaticity needed for reading comprehension. * Ways to address planning and assessment as crucial, intersecting supports of a robust vocabulary program. This comprehensive resource has everything you need to help your students profoundly expand their vocabulary, enabling them to speak, read, and write with greater understanding and confidence.

Considers the connection between thinking and knowledge for the development of a learning process that includes all levels of education, in an effort to enhance critical thinking skills for the future.

This book focuses on large and small group educational settings and offers brief strategies to engage learners to assure active learning strategies are core to the learning environment. The book opens with an introduction on active learning principles. Each chapter follows with a specific description of a strategy written by authors who are experienced in using the strategy in a classroom environment with students. The chapters are designed to be accessible and practical for the reader to apply in their learning environments.

Teaching in the Fast Lane offers teachers a way to increase student engagement: an active classroom. The active classroom is about creating learning experiences differently, so that students engage in exploration of the content and take on a good share of the responsibility for their own learning. It's about students reaching explicit targets in different ways, which can result in increased student effort and a higher quality of work. Author Suzy Pepper Rollins details how to design, manage, and maintain an active classroom that balances autonomy and structure. She offers student-centered, practical strategies on sorting, station teaching, and cooperative learning that will help teachers build on students' intellectual curiosity, self-efficacy, and sense of purpose. Using the strategies in this book, teachers can strategically "let go" in ways that enable students to reach their learning targets, achieve more, be motivated to work, learn to collaborate, and experience a real sense of accomplishment.

Moody. Reckless. Impractical. Insecure. Distracted. These are all words commonly used to describe adolescents. But what if we recast these traits in a positive light? Teens possess insight, passion, idealism, sensitivity, and creativity in abundance--all qualities that can make a significant positive contribution to society. In this thought-provoking book, Thomas Armstrong looks at the power and promise of the teenage brain from an empathetic, strength-based perspective--and describes what middle and high school educators can do to make the most of their students' potential. Thoroughly grounded in current neuroscience research, the book explains what we know about how the adolescent brain works and proposes eight essential instructional elements that will help students develop the ability to think, make healthy choices, regulate their emotions, handle social conflict, consolidate their identities, and learn enough about the world to move into adulthood with dignity and grace. Armstrong provides practical strategies and real-life examples from schools that illustrate these eight key practices in action. In addition, you'll find a glossary of brain terms, a selection of brain-friendly lesson plans across the content areas, and a list of resources to support and extend the book's ideas and practices. There is a colossal mismatch between how the adolescent brain has evolved over the millennia and the passive, rote learning experiences that are all too common in today's test-obsessed educational climate. See the amazing difference—in school and beyond—when you use the insights from this book to help students tap into the power of their changing brains.

Inspired by the recent proliferation of online courses necessitated by the COVID 19 pandemic, researcher and educational innovator Stephen M. Kosslyn offers instructors and course designers (as well as school administrations and teacher-education students) a treasure trove of active learning principles and activities for implementation in online, hybrid and in-person courses. Whether your course is synchronous (e.g., live with Zoom) or asynchronous (e.g., using video content on Canvas), this book will inject active learning into existing courses or into courses designed from scratch. In both cases, active learning will make the courses not only more interesting but also more effective; student engagement will increase, learning outcomes will be reached, and general teaching and learning experiences will be enriched.

Provides a variety of strategies for teaching and classroom management.

Miriam, a freshman Calculus student at Louisiana State University, made 37.5% on her first exam but 83% and 93% on the next two. Matt, a first year General Chemistry student at the University of Utah, scored 65% and 55% on his first two exams and 95% on his third—These are representative of thousands of students who decisively improved their grades by acting on the advice described in this book. What is preventing your students from performing according to expectations? Sandra McGuire offers a simple but profound answer: If you teach students how to learn and give them simple, straightforward strategies to use, they can significantly increase their learning and performance. For over a decade Sandra McGuire has been acclaimed for her presentations and workshops on metacognition and student learning because the tools and strategies she shares have enabled faculty to facilitate dramatic improvements in student learning and success. This book encapsulates the model and ideas she has developed in the past fifteen years, ideas that are being adopted by an increasing number of faculty with considerable effect. The methods she proposes do not require restructuring courses or an inordinate amount of time to teach. They can often be accomplished in a single session, transforming students from memorizers and regurgitators to students who begin to think critically and take responsibility for their own learning. Sandra McGuire takes the reader sequentially through the ideas and strategies that students need to understand and implement. First, she demonstrates how introducing students to metacognition and Bloom's Taxonomy reveals to them the importance of understanding how they learn and provides the lens through which they can view learning activities and measure their intellectual growth. Next, she presents a specific study system that can quickly empower students to maximize their learning. Then, she addresses the importance of dealing with emotion, attitudes, and motivation by suggesting ways to change students' mindsets about ability and by providing a range of strategies to boost motivation and learning; finally, she offers guidance to faculty on partnering with campus learning centers. She pays particular attention to academically unprepared students, noting that the strategies she offers for this particular population are equally beneficial for all students. While stressing that there are many ways to teach effectively, and that readers can be flexible in picking and choosing among the strategies she presents, Sandra McGuire offers the reader a step-by-step process for delivering the key messages of the book to students in as little as 50 minutes. Free online supplements provide three slide sets and a sample video lecture. This book is written primarily for faculty but will be equally useful for TAs, tutors, and learning center professionals. For readers with no background in education or cognitive psychology, the book avoids jargon and esoteric theory.

High/Scope preschool curriculum is a model for developing high-quality early childhood programs that encourage and support children's initiatives and active learning experiences. This revised manual for early childhood practitioners and students presents essential strategies adults can use to make active learning a reality in their programs. The guide's introduction describes the origin of the High/Scope preschool approach, its basic principles, and its effectiveness for children, families, and society. Part 1 of the guide analyzes the core idea in the development of the High/Scope curriculum-active learning. The concept of active learning is discussed in several contexts: as an essential ingredient for learning, as a basis for how adults can create a supportive social climate, and as a foundation for working with the families or working as a team to make the active learning process effective in a particular setting with a particular group of children. Part 2 discusses methods for creating an environment that promotes active learning. This section suggests selecting and arranging materials from which children can choose, and manipulating and developing the daily routine so children have many opportunities to initiate, plan, carry out, and discuss their actions and ideas. Part 3 introduces 58 key experiences that can guide adults as they plan activities to support development in creative representation, language and literacy, initiative and social relations, movement, music, classification, seriation, number, space, and time. This revised edition of the guide includes information on phonemic awareness and preschool reading, additional references, the latest Perry Preschool research results, recent research relating to brain development, and a complete description of a consistent approach to problem solving. Each chapter includes a list of references and related readings. (HTH)

Teaching and Learning Strategies for the Thinking Classroom is a practical guide to lively teaching that results in reading and writing for critical thinking. It explains and demonstrates a well-organized set of strategies for teaching that invites and supports learning.

With new forms, techniques, and checklists, this second edition provides 101 strategies for using learners' prior knowledge.

This book focuses on selected best practices for effective active learning in Higher Education. Contributors present the epistemology of active learning along with specific case studies from different disciplines and countries. Discussing issues around ICTs, collaborative learning, experiential learning and other active learning strategies.

A surprisingly simple way for students to master any subject--based on one of the world's most popular online courses and the bestselling book *A Mind for Numbers* and its wildly popular online companion course "Learning How to Learn" have empowered more than two million learners of all ages from around the world to master subjects that they once struggled with. Fans often wish they'd discovered these learning strategies earlier and ask how

they can help their kids master these skills as well. Now in this new book for kids and teens, the authors reveal how to make the most of time spent studying. We all have the tools to learn what might not seem to come naturally to us at first--the secret is to understand how the brain works so we can unlock its power. This book explains: • Why sometimes letting your mind wander is an important part of the learning process • How to avoid "rut think" in order to think outside the box • Why having a poor memory can be a good thing • The value of metaphors in developing understanding • A simple, yet powerful, way to stop procrastinating Filled with illustrations, application questions, and exercises, this book makes learning easy and fun.

Liven up training with new, dynamic strategies for active participation 101 More Ways to Make Training Active brings together a rich, comprehensive collection of training strategies and activities into one easy source. Designed for quick navigation, this useful guide is packed with classroom-ready ideas and twenty "how-to" lists to enliven any learning situation, helping you better engage your trainees and encourage active participation. These techniques are applicable to almost any topic and learning objective, and provide guidance on every aspect of Active Training design and delivery. Each strategy includes recommendations for length of time, number of participants, and other conditional factors, plus a case study that illustrates the strategy in action. Coverage includes topics like communication, change management, coaching, feedback, conflict, diversity, customer service, and more, providing a complete reference for facilitating active training sessions. Active Training requires the participants to do most of the work. They use their brains, and apply what they've learned. The environment is fast-paced, fun, supportive, and personally engaging, and encourages participants to figure things out for themselves. This book contains specific, practical strategies for bringing this environment to any training session. Learn new strategies for stimulating active discussion Inspire creativity, innovation, and collaboration Teach better decision making, leadership, and self-management Make lectures active to encourage more participation Active training makes training sessions more enjoyable, and as participants invest themselves more heavily into the material, outcomes begin to improve dramatically. This dynamic atmosphere doesn't happen by accident; the activities and the course itself must be designed and delivered in a way that encourages active participation. In 101 More Ways to Make Training Active, you get a toolkit of creative, challenging, and fun ways to make it happen. Richard Schmuck demonstrates how educators can use personal reflection and action research to convert frustrations into solvable problems and improved professional practice.

Engaging students in active learning is a predominant theme in today's classrooms. To promote active learning, teachers across the disciplines and in all kinds of colleges are incorporating collaborative learning into their teaching. Collaborative Learning Techniques is a scholarly and well-written handbook that guides teachers through all aspects of group work, providing solid information on what to do, how to do it, and why it is important to student learning. Synthesizing the relevant research and good practice literature, the authors present detailed procedures for thirty collaborative learning techniques (CoLTs) and offer practical suggestions on a wide range of topics, including how to form groups, assign roles, build team spirit, solve problems, and evaluate and grade student participation.

This is the long-awaited update on the bestselling book that offers a practical, accessible reference manual for faculty in any discipline. This new edition contains up-to-date information on technology as well as expanding on the ideas and strategies presented in the first edition. It includes more than sixty-one chapters designed to improve the teaching of beginning, mid-career, or senior faculty members. The topics cover both traditional tasks of teaching as well as broader concerns, such as diversity and inclusion in the classroom and technology in educational settings.

This three-volume set LNAI 6911, LNAI 6912, and LNAI 6913 constitutes the refereed proceedings of the European conference on Machine Learning and Knowledge Discovery in Databases: ECML PKDD 2011, held in Athens, Greece, in September 2011. The 121 revised full papers presented together with 10 invited talks and 11 demos in the three volumes, were carefully reviewed and selected from about 600 paper submissions. The papers address all areas related to machine learning and knowledge discovery in databases as well as other innovative application domains such as supervised and unsupervised learning with some innovative contributions in fundamental issues; dimensionality reduction, distance and similarity learning, model learning and matrix/tensor analysis; graph mining, graphical models, hidden markov models, kernel methods, active and ensemble learning, semi-supervised and transductive learning, mining sparse representations, model learning, inductive logic programming, and statistical learning. A significant part of the papers covers novel and timely applications of data mining and machine learning in industrial domains.

Whether the new instructor of first-year composition looks forward to that first class period with anticipation, dread, or a mix of emotions, Strategies for Teaching First-Year Composition offers guidance, reassurance, and thoughtful commentary on the many activities leading up to and surrounding classroom instruction: What preparation do I need to teach first-year comp? How do I construct a syllabus? How do I develop effective writing assignments? Why am I teaching writing at all? And what's the place of writing in a university education? The texts included in this collection respond to these questions and many others with ideas, suggestions, and experiences from both veteran and new teachers. And because writing instruction takes place in a variety of educational contexts, readers will find chapters and suggestions written by instructors who teach in community colleges, liberal arts colleges, state university systems, and research institutions.--Publisher description.

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