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Listen Wise National Academies Press

This inspiring book on the faith, the hope, and the heart of a woman who changed a nation gives the account of her infamous stand against injustice as well as the lasting impact it has made.

Process Design Manual for Nitrogen Control
Int. Rice Res. Inst.

On Wisconsin Women traces the role women played in reform movements, both in Wisconsin state politics and in its press. Women's news and opinions often appeared

anonymously in abolitionist journals and other reform newspapers even before Wisconsin became a state in 1848. The first state newspaper published under a woman's name was boycotted and failed in 1853. But from the passage of the 14th amendment in 1866 to Wisconsin's ratification of the 19th amendment in 1919, women were never at a loss for words or a newspaper to print them. Women's news won a new respectability under feminine bylines and led to the historic victory for women's suffrage. McBride undertakes the task of considering feminist reform as a conceptual whole.

World Environmental and Water Resources Congress 2021
Basic Books

A comprehensive review of an area of machine learning that deals with the use of unlabeled data in classification problems: state-of-the-art algorithms, a taxonomy of the field,

applications, benchmark experiments, and directions for future research. In the field of machine learning, semi-supervised learning (SSL) occupies the middle ground, between supervised learning (in which all training examples are labeled) and unsupervised learning (in which no label data are given). Interest in SSL has increased in recent years, particularly because of application domains in which unlabeled data are plentiful, such as images, text, and bioinformatics. This first comprehensive overview of SSL presents state-of-the-art algorithms, a taxonomy of the field, selected applications, benchmark experiments, and perspectives on ongoing and future research. *Semi-Supervised Learning* first presents the key assumptions and ideas underlying the field: smoothness, cluster or low-density separation, manifold structure, and transduction. The core of the book is the presentation of SSL methods, organized according to algorithmic strategies. After an examination of generative models, the book describes algorithms that implement the low-density separation assumption, graph-based methods, and algorithms that perform two-step learning. The book then discusses SSL applications and offers guidelines for SSL practitioners by analyzing the results of extensive benchmark experiments. Finally, the book looks at interesting directions for SSL research. The book closes with a discussion of the relationship between semi-supervised learning and transduction.

Study and Interpretation of the Chemical Characteristics of Natural Water
Long Trail Press

During the past decade there has been an explosion in computation and information technology. With it have come vast amounts of data in a variety of fields such as medicine, biology, finance, and marketing. The challenge of understanding these data has led to the development of new tools in the field of statistics, and spawned new areas such as

data mining, machine learning, and bioinformatics. Many of these tools have common underpinnings but are often expressed with different terminology. This book describes the important ideas in these areas in a common conceptual framework. While the approach is statistical, the emphasis is on concepts rather than mathematics. Many examples are given, with a liberal use of color graphics. It should be a valuable resource for statisticians and anyone interested in data mining in science or industry. The book's coverage is broad, from supervised learning (prediction) to unsupervised learning. The many topics include neural networks, support vector machines, classification trees and boosting---the first comprehensive treatment of this topic in any book. This major new edition features many topics not covered in the original, including graphical models, random forests, ensemble methods, least angle regression & path algorithms for the lasso, non-negative matrix factorization, and spectral clustering. There is also a chapter on methods for "wide" data (p bigger than n), including multiple testing and false discovery rates. Trevor Hastie, Robert Tibshirani, and Jerome Friedman are professors of statistics at Stanford University. They are prominent researchers in this area: Hastie and Tibshirani developed generalized additive models and wrote a popular book of that title. Hastie co-developed much of the statistical modeling software and environment in R/S-PLUS and invented principal curves and surfaces. Tibshirani proposed the lasso and is co-author of the very successful *An Introduction to the Bootstrap*. Friedman is the co-inventor of many data-mining tools including CART, MARS, projection pursuit and gradient boosting.

Unbought and Unbossed CRC Press

A comprehensive and self-contained introduction to Gaussian processes, which provide a principled, practical, probabilistic approach to learning in kernel machines. Gaussian processes (GPs) provide a principled, practical,

probabilistic approach to learning in kernel machines. GPs have received increased attention in the machine-learning community over the past decade, and this book provides a long-needed systematic and unified treatment of theoretical and practical aspects of GPs in machine learning. The treatment is comprehensive and self-contained, targeted at researchers and students in machine learning and applied statistics. The book deals with the supervised-learning problem for both regression and classification, and includes detailed algorithms. A wide variety of covariance (kernel) functions are presented and their properties discussed. Model selection is discussed both from a Bayesian and a classical perspective. Many connections to other well-known techniques from machine learning and statistics are discussed, including support-vector machines, neural networks, splines, regularization networks, relevance vector machines and others. Theoretical issues including learning curves and the PAC-Bayesian framework are treated, and several approximation methods for learning with large datasets are discussed. The book contains illustrative examples and exercises, and code and datasets are available on the Web. Appendixes provide mathematical background and a discussion of Gaussian Markov processes.

Numerical Algorithms John Wiley & Sons

A Newbery Honor Book author has written a powerful and gripping novel about a youth in Nazi Germany who tells the truth about Hitler. Susan Campbell Bartoletti has taken one episode from her Newbery Honor Book, *Hitler Youth*, and fleshed it out into thought-provoking novel. When 16-year-old Helmut Hubner listens to the BBC news on an illegal short-wave radio, he quickly discovers Germany is lying to the people. But when he tries to expose the truth with leaflets, he's tried for treason. Sentenced to death and waiting in a jail cell, Helmut's story emerges in a series of flashbacks that show his growth from a naive child caught up in the patriotism of the times, to a sensitive and mature young man who thinks for himself.

The Global Achievement Gap Wiley

The definitive account of the lynching of twenty-three-year-old Matthew Williams in Maryland, the subsequent investigation, and

the legacy of "modern-day" lynchings. On December 4, 1931, a mob of white men in Salisbury, Maryland, lynched and set ablaze a twenty-three-year-old Black man named Matthew Williams. His gruesome murder was part of a wave of silent white terrorism in the wake of the stock market crash of 1929, which exposed Black laborers to white rage in response to economic anxieties. For nearly a century, the lynching of Matthew Williams has lived in the shadows of the more well-known incidents of racial terror in the deep South, haunting both the Eastern Shore and the state of Maryland as a whole. In *The Silent Shore*, author Charles L. Chavis Jr. draws on his discovery of previously unreleased investigative documents to meticulously reconstruct the full story of one of the last lynchings in Maryland. Bringing the painful truth of anti-Black violence to light, Chavis breaks the silence that surrounded Williams's death. Though Maryland lacked the notoriety for racial violence of Alabama or Mississippi, he writes, it nonetheless was the site of at least 40 spectacle lynchings after the abolition of slavery in 1864. Families of lynching victims rarely obtained any form of actual justice, but Williams's death would have a curious afterlife: Maryland's politically ambitious governor Albert C. Ritchie would, in an attempt to position himself as a viable challenger to FDR, become one of the first governors in the United States to investigate the lynching death of a Black person. Ritchie tasked Patsy Johnson, a member of the Pinkerton detective agency and a former prizefighter, with going undercover in Salisbury and infiltrating the mob that murdered Williams. Johnson would eventually befriend a young local who admitted to participating in the lynching and who also named

several local law enforcement officers as ringleaders. Despite this, a grand jury, after hearing 124 witness statements, declined to indict the perpetrators. But this denial of justice galvanized Governor Ritchie's Interracial Commission, which would become one of the pioneering forces in the early civil rights movement in Maryland. Complicating historical narratives associated with the history of lynching in the city of Salisbury, *The Silent Shore* explores the immediate and lingering effect of Williams's death on the politics of racism in the United States, the Black community in Salisbury, the broader Eastern Shore, the state of Maryland, and the legacy of "modern-day lynchings."

Estimating Water Use in the United States Naval Institute Press

Preparing students to be active, informed, literate citizens is one of the primary functions of public schools. But how can students become engaged citizens if they can't read, let alone understand, their social studies texts? What can educators—and social studies teachers in particular—do to help students develop the knowledge, skills, and motivation to become engaged in civic life? *Building Literacy in Social Studies* addresses this question by presenting both the underlying concepts and the research-based techniques that teachers can use to engage students and build the skills they need to become successful readers, critical thinkers, and active citizens. The authors provide targeted strategies—including teaching models, graphic organizers, and step-by-step instructions—for activities such as * Building vocabulary, * Developing textbook literacy skills, * Interpreting primary and secondary sources, * Applying critical thinking skills to newspapers and magazines, and * Evaluating Internet sources. Readers will also learn how to organize classrooms into models of democracy by creating learning communities that support literacy instruction, distribute authority, encourage cooperation, and increase accountability among students. Realistic scenarios depict a typical social studies teacher's experience before and after implementing the strategies in the classroom, showing their potential to make a significant

difference in how students respond to instruction. By making literacy strategies a vital part of content-area instruction, teachers not only help students better understand their schoolwork but also open students' eyes to the power that informed and engaged people have to change the world.

Oral History Collections Scholastic Inc.

The essential, cornerstone book of modern environmentalism is now offered in a handsome 40th anniversary edition which features a new Introduction by activist Terry Tempest Williams and a new Afterword by Carson biographer Linda Lear.

Solar Engineering of Thermal Processes Princeton University Press

This report provides Association of College and Research Libraries (ACRL) leaders and the academic community with a clear view of the current state of the literature on value of libraries within an institutional context, suggestions for immediate "Next Steps" in the demonstration of academic library value, and a "Research Agenda" for articulating academic library value. Its focus is to help librarians understand, based on professional literature, the current answer to the question, "How does the library advance the missions of the institution?" This report is also of interest to higher educational professionals external to libraries, including senior leaders, administrators, faculty, and student affairs professionals.

Rice Assoc of Collge & Rsrch Libr

The updated, cornerstone engineering resource of solar energy theory and applications. Solar technologies already provide energy for heat, light, hot water, electricity, and cooling for homes, businesses, and industry. Because solar energy only accounts for one-tenth of a percent of primary energy demand, relatively small increases in market penetration can lead to very rapid growth rates in the industry—which is exactly what has been projected for coming years as the world moves away from carbon-based energy production. *Solar Engineering*

of Thermal Processes, Third Edition provides the latest thinking and practices for engineering solar technologies and using them in various markets. This Third Edition of the acknowledged leading book on solar engineering features: Complete coverage of basic theory, systems design, and applications Updated material on such cutting-edge topics as photovoltaics and wind power systems New homework problems and exercises

The Writings of John Muir: Our national parks Borealis Book

A comprehensive, up-to-date textbook on nonparametric methods for students and researchers Until now, students and researchers in nonparametric and semiparametric statistics and econometrics have had to turn to the latest journal articles to keep pace with these emerging methods of economic analysis. Nonparametric Econometrics fills a major gap by gathering together the most up-to-date theory and techniques and presenting them in a remarkably straightforward and accessible format. The empirical tests, data, and exercises included in this textbook help make it the ideal introduction for graduate students and an indispensable resource for researchers. Nonparametric and semiparametric methods have attracted a great deal of attention from statisticians in recent decades. While the majority of existing books on the subject operate from the presumption that the underlying data is strictly continuous in nature, more often than not social scientists deal with categorical data—nominal and ordinal—in applied settings. The conventional nonparametric approach to dealing with the presence of discrete variables is acknowledged to be unsatisfactory. This book is tailored to the needs of applied econometricians and social scientists. Qi Li and Jeffrey Racine

emphasize nonparametric techniques suited to the rich array of data types—continuous, nominal, and ordinal—within one coherent framework. They also emphasize the properties of nonparametric estimators in the presence of potentially irrelevant variables. Nonparametric Econometrics covers all the material necessary to understand and apply nonparametric methods for real-world problems.

The Silent Shore New York : Bowker

"Educational leaders are empowered by a 7-steps framework to move their schools and districts forward in a quest to create community consensus and build the professional capacity for preparing students for 21st century learning."--Book cover.

The Story of Minnesota's Past Museum of Modern Art

Surveys the history of Minnesota, from the Ice Age through the 1980s. *The Leader's Guide to 21st Century Education* Springer Science & Business Media

#1 NEW YORK TIMES BESTSELLER • “The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly.”—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE “MOST INFLUENTIAL” (CNN), “DEFINING” (LITHUB), AND “BEST” (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE’S 50 MOST IMPACTFUL BLACK BOOKS OF THE PAST 50 YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) •

Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first “immortal” human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb’s effects; helped lead to important advances like in vitro fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an unmarked grave. Henrietta’s family did not learn of her “immortality” until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks family—especially Henrietta’s daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn’t her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, *The Immortal Life of Henrietta Lacks* captures the beauty and drama of scientific discovery, as well as its human consequences.

The Immortal Life of Henrietta Lacks University of Arkansas Press

NEW YORK TIMES BESTSELLER • “A shining portrait of a presciently modern political genius maneuvering in a gilded age of wealth, optimism, excess and American global ascension.”—San Francisco Chronicle WINNER OF THE LOS ANGELES TIMES BOOK PRIZE FOR BIOGRAPHY • “[Theodore Rex] is one of the great histories of the American presidency, worthy of being on a shelf alongside Henry Adams’s volumes on Jefferson and Madison.”—Times Literary Supplement Theodore Rex is the story—never fully told before—of Theodore Roosevelt’s two world-changing terms as President of the United States. A hundred years before the catastrophe of September 11, 2001, “TR” succeeded to power in the aftermath of an act of terrorism. Youngest of all our chief executives, he rallied a stricken nation with his superhuman energy, charm, and political skills. He proceeded to combat the problems of race and labor relations and trust control while making the Panama Canal possible and winning the Nobel Peace Prize. But his most historic achievement remains his creation of a national conservation policy, and his monument millions of acres of protected parks and forest. Theodore Rex ends with TR leaving office, still only fifty years old, his future reputation secure as one of our greatest presidents.

The National Hydrography Dataset Golden, Colo. : North American Press

The inspiring story of the 1963 Birmingham Children's March as seen through the eyes of four young people at the center of the action. The 1963 Birmingham Children's March was a turning point in American civil rights history. Black Americans had had enough of segregation and police brutality, but with their lives and jobs at stake, most adults were hesitant to protest the city's racist culture. So the fight for civil rights lay in the hands of children like Audrey Hendricks, Wash Booker, James Stewart, and Arnetta Streeter. *We've Got a Job* tells the

little-known story of the four thousand Black elementary, middle, and high school students who answered Dr. Martin Luther King's call to "fill the jails." Between May 2 and May 11, 1963, these young people voluntarily went to jail, drawing national attention to the cause, helping bring about the repeal of segregation laws, and inspiring thousands of other young people to demand their rights. Drawing on her extensive research and in-depth interviews with participants, award-winning author Cynthia Levinson recreates the events of the Birmingham Children's March from a new and very personal perspective. Archival photography and informational sidebars throughout. Back matter includes an afterword, author's note, timeline, map, and bibliography.

Nonparametric Econometrics Zondervan

Discover how to engage your students effectively by strengthening their listening skills In *Listen Wise: Teach Students to Be Better Listeners*, journalist, entrepreneur, and author Monica Brady-Myerov delivers a concise and thoughtful treatment of how to build powerful listening skills in K-12 students. You'll discover real-world examples and modern, research-based advice about helping young people improve their listening abilities and their overall academic performance. With personal anecdotes from the accomplished author and accessible excerpts from the latest neuroscience of listening and auditory learning, the book is a critical resource that will explain why listening is the missing piece of the literacy puzzle. This important book will show you: Classroom stories and teacher viewpoints that highlight effective strategies to teach critical listening Why building listening skills in students is crucial to improving reading, especially for English learners. Why the Lexile Framework for Listening is contributing to a surging recognition of the importance of listening in the academic curriculum Perfect for K-12 teachers looking for new ways to understand their students and how they learn, *Listen Wise* will also earn a place in the libraries of college and master's level students in education.

Building Literacy in Social Studies ASCD

Proceedings of the World Environmental and Water Resources Congress

2021, held virtually June 7-11, 2021. Sponsored by the Environmental and Water Resources Institute of ASCE. This collection contains 104 peer-reviewed papers that discuss the latest innovative research, case studies, and best management practices in water resources and the environment with a focus on fresh water sources. Topics include: drinking water; groundwater; wastewater; stormwater; irrigation and drainage infrastructure; waterways; sustainability and smart water; and security and systems analysis. This proceedings will be of interest to engineers and scientists addressing challenges to drinking water and freshwater resources around the world.

Market Segmentation Analysis Holiday House

DigiCat Publishing presents to you this special edition of "The Fireside Chats of Franklin Delano Roosevelt" (Radio Addresses to the American People Broadcast Between 1933 and 1944) by Franklin D. Roosevelt. DigiCat Publishing considers every written word to be a legacy of humankind. Every DigiCat book has been carefully reproduced for republishing in a new modern format. The books are available in print, as well as ebooks. DigiCat hopes you will treat this work with the acknowledgment and passion it deserves as a classic of world literature.