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Lectures on Symplectic Geometry National Academies Press

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 Origins of International Economic Disorder University of Arkansas Press

The goal of these notes is to provide a fast introduction to symplectic geometry for graduate students with some knowledge of differential geometry, de Rham theory and classical Lie groups. This text addresses symplectomorphisms, local forms, contact manifolds, compatible almost complex structures, Kaehler manifolds, hamiltonian mechanics, moment maps, symplectic reduction and symplectic toric manifolds. It contains guided problems, called homework, designed to complement the exposition or extend the reader's understanding. There are by now excellent references on symplectic geometry, a subset of which is in the bibliography of this book. However, the most efficient introduction to a subject is often a short elementary treatment, and these notes attempt to serve that purpose. This text provides a taste of areas of current research and will prepare the reader to explore recent papers and extensive books on symplectic geometry where the pace is much faster. For this reprint numerous corrections and clarifications have been made, and the layout has been improved.

The Value of Academic Libraries JHU Press

This publication contains practical guidance on the design, implementation and evaluation of appropriate food fortification programmes. They are designed primarily for use by nutrition-related public health programme managers, but should also be useful to all those working to control micronutrient malnutrition, including the food industry. The guidelines are written from a nutrition and public health perspective, and topics discussed include: the concept of food fortification as a potential strategy for the control of micronutrient malnutrition; the prevalence, causes, and consequences of micronutrient deficiencies, and the public health benefits of micronutrient malnutrition control; technical information on the various chemical forms of micronutrients that can be used to fortify foods; regulation and international harmonisation, communication, advocacy, consumer marketing and public education.

Hoosiers and the American Story Houghton Mifflin Harcourt

At an event honoring Daisy Bates as 1990’s Distinguished Citizen then-governor Bill Clinton called her "the most distinguished Arkansas citizen of all time." Her classic account of the 1957 Little Rock School Crisis, The Long Shadow of Little Rock, couldn't be found on most bookstore shelves in 1962 and was banned throughout the South. In 1988, after the University of Arkansas Press reprinted it, it won an American Book Award. On September 3, 1957, Gov. Orval Faubus called out the National Guard to surround all-white Central High School and prevent the entry of nine black students, challenging the Supreme Court's 1954 order to integrate all public schools. On September 25, Daisy Bates, an official of the NAACP in Arkansas, led the nine children into the school with the help of federal troops sent by President Eisenhower—the first time in eighty-one years that a president had dispatched troops to the South to protect the constitutional rights of black Americans. This new edition of Bates's own story about these historic events is being issued to coincide with the fiftieth anniversary of the Little Rock School crisis in 2007.

The Federalist Papers DigiCat

This is the first-ever biography of Vice Admiral Willis A. Lee Jr., who served a key role during World War II in the Pacific. Recognizing the achievements and legacy of one of the war's top combat admirals has been long overdue until now. Battleship Commander explores Lee's life from boyhood in Kentucky through his eventual service as commander of the fast battleships from 1942 to 1945. Paul Stillwell draws on more than 150 first-person accounts from those who knew and served with Lee from boyhood until the time of his death. Said to be down to earth, modest, forgiving, friendly, and with a wry sense of humor, Lee eschewed the media and, to the extent possible, left administrative details to others. Stillwell relates the sequential building of a successful career, illustrating Admiral Lee's focus on operational, tactical, and strategic concerns. During his

service in the Navy Department from 1939 to 1942, Lee prepared the U.S. Navy for war at sea, and was involved in inspecting designs for battleships, cruisers, aircraft carriers, and destroyers. He sent observers to Britain to report on Royal Navy operations during the war against Germany and made plans to send an action team to mainland China to observe conditions for possible later Allied landings there. Putting his focus on the need to equip U.S. warships with radar and antiaircraft guns, Lee was one of the few flag officers of his generation who understood the tactical advantage of radar, especially during night battles. In 1942 Willis Lee became commander of the first division of fast battleships to operate in the Pacific. During that service, he commanded Task Force 64, which achieved a tide-turning victory in a night battle near Guadalcanal in November 1942. Lee missed two major opportunities for surface actions against the Japanese. In June 1944, in the Marianas campaign, he declined to engage because his ships were not trained adequately to operate together in surface battles. In October 1944, Admiral William Halsey's bungled decisions denied Lee's ships an opportunity for combat. Continuing his career of service near the end of the war, Lee, in the summer of 1945, directed anti-kamikaze research efforts in Casco Bay, Maine. While Lee's wartime successes and failures make for compelling reading, what is here in this biography is a balanced look at the man and officer.

Oral History Collections National Academies Press

Scientific and personal autobiography of the greatest woman astronomer of all time. The most famous graduate from Newnham College.

A Short History of World War II Wiley

An overview of recent efforts in the machine learning community to deal with dataset and covariate shift, which occurs when test and training inputs and outputs have different distributions. Dataset shift is a common problem in predictive modeling that occurs when the joint distribution of inputs and outputs differs between training and test stages. Covariate shift, a particular case of dataset shift, occurs when only the input distribution changes. Dataset shift is present in most practical applications, for reasons ranging from the bias introduced by experimental design to the irreproducibility of the testing conditions at training time. (An example is -email spam filtering, which may fail to recognize spam that differs in form from the spam the automatic filter has been built on.) Despite this, and despite the attention given to the apparently similar problems of semi-supervised learning and active learning, dataset shift has received relatively little attention in the machine learning community until recently. This volume offers an overview of current efforts to deal with dataset and covariate shift. The chapters offer a mathematical and philosophical introduction to the problem, place dataset shift in relationship to transfer learning, transduction, local learning, active learning, and semi-supervised learning, provide theoretical views of dataset and covariate shift (including decision theoretic and Bayesian perspectives), and present algorithms for covariate shift. Contributors: Shai Ben-David, Steffen Bickel, Karsten Borgwardt, Michael Br ü ckner, David Corfield, Amir Globerson, Arthur Gretton, Lars Kai Hansen, Matthias Hein, Jiayuan Huang, Choon Hui Teo, Takafumi Kanamori, Klaus-Robert M ü ller, Sam Roweis, Neil Rubens, Tobias Scheffer, Marcel Schmittfull, Bernhard Sch ö lkopf Hidetoshi Shimodaira, Alex Smola, Amos Storkey, Masashi Sugiyama

Gaussian Processes for Machine Learning Springer Science & Business Media

A supplemental textbook for middle and high school students, Hoosiers and the American Story provides intimate views of individuals and places in Indiana set within themes from American history. During the frontier days when Americans battled with and exiled native peoples from the East, Indiana was on the leading edge of America ’ s westward expansion. As waves of immigrants swept across the Appalachians and eastern waterways, Indiana became established as both a crossroads and as a vital part of Middle America. Indiana ’ s stories illuminate the history of American agriculture, wars, industrialization, ethnic conflicts, technological improvements, political battles, transportation networks, economic shifts, social welfare initiatives, and more. In so doing, they elucidate large national issues so that students can relate personally to the ideas and events that comprise American history. At the same time, the stories shed light on what it means to be a Hoosier, today and in the past.

The Silent Shore Univ of Wisconsin Press

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.

Silent Spring National Technical Info Svc

Across the United States, the practices for collecting water use data vary significantly from state to state and vary also from one water use category to another, in response to the laws regulating water use and interest in water use data as an input for water management. However, many rich bodies of water use data exist at the state level, and an outstanding opportunity exists for assembling and statistically analyzing these data at the national level.

This would lead to better techniques for water use estimation and to a greater capacity to link water use with its impact on water resources. This report is a product of the Committee on Water Resources Research, which provides consensus advice to the Water Resources Division (WRD) of the USGS on scientific, research, and programmatic issues. The committee works under the auspices of the Water Science and Technology Board of the National Research Council (NRC). The committee considers a variety of topics that are important scientifically and programmatically to the USGS and the nation and issues reports when appropriate. This report concerns the National Water-Use Information Program (NWUIP).

Guidelines on Food Fortification with Micronutrients Assoc of CIlge & Rsrch Libr

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.

The Boy Who Dared National Academies Press
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."

The Fireside Chats of Franklin Delano Roosevelt Cambridge University Press
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 â ??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 Long Shadow of Little Rock New York : Bowker
“ A tremendously impressive book. ” —Washington Post “ Her motto and title of her autobiography—Unbought and Unbossed—illustrates her outspoken advocacy for women and minorities during her seven terms in the U.S. House of Representatives. ” —National Women ’ s History Museum In this classic work—a blend of memoir, social criticism, and political analysis that remains relevant today—the first Black Congresswoman to serve in American history, New York ’ s dynamic representative Shirley Chisholm, traces her extensive political struggle and examines the problems that have long plagued the American system of government. “ I want to be remembered as a woman . . . who dared to be a catalyst of change. ” Political pioneer Shirley Chisholm—activist, member of the House of Representatives, and former presidential candidate—was a woman who consistently broke barriers and inspired generations of American women, and especially women of color. Unbought and Unbossed is her story, told in her own words—a thoughtful and informed look at her rise from the streets of Brooklyn to the halls of Congress. Chisholm speaks out on her life in politics while illuminating the events, personalities, and issues of her time, including the schism in the Democratic party in the 1960s and ’ 70s—all of which speak to us today. In this frank assessment, “ Fighting Shirley ” recalls how she took on an entrenched system, gave a public voice to millions, and embarked on a trailblazing bid to be the first woman and first African American President of the United States. By daring to be herself, Shirley Chisholm shows how one person forever changed the status quo.

Estimating Water Use in the United States Scholastic Inc.
Numerical Algorithms: Methods for Computer Vision, Machine Learning, and Graphics presents a new approach to numerical analysis for modern computer scientists. Using examples from a broad base of computational tasks, including data processing, computational photography, and animation, the textbook introduces numerical modeling and algorithmic desig

Period Power MIT Press
A Short History of World War II is essentially a military history, but it reaches from the peace settlements of World War I to the drastically altered postwar world of the late 1940's. Lucidly written and eminently readable, it is factual and accurate enough to satisfy professional historians. A Short History of World War II will appeal equally to the general reader, the veteran who fought in the War, and the student interested in understanding the contemporary political world.

The Elements of Statistical Learning Princeton University Press
Tells story of Irena Sendler who organized the rescue of 2,500 Jewish children during World War II, and the teenagers who started the investigation into Irena's heroism.

Cecilia Payne-Gaposchkin National Academies Press
The Clean Water Act (CWA) requires that wetlands be protected from degradation because of their important ecological functions including maintenance of high water quality and provision of fish and wildlife habitat. However, this protection generally does not encompass riparian areas â € "the lands bordering rivers and lakes â € "even though they often provide the same functions as wetlands. Growing recognition of the similarities in wetland and riparian area functioning and the differences in their legal protection led the NRC in 1999 to undertake a study of

riparian areas, which has culminated in Riparian Areas: Functioning and Strategies for Management. The report is intended to heighten awareness of riparian areas commensurate with their ecological and societal values. The primary conclusion is that, because riparian areas perform a disproportionate number of biological and physical functions on a unit area basis, restoration of riparian functions along America's waterbodies should be a national goal.

Riparian Areas Random 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.

Stream Corridor Restoration Long Trail Press
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.