Golden Ticket P Np And The Search For The Impossib

#P vs NP problem #computational complexity #golden ticket mathematics #unsolved computer science problems #search for impossibility

Explore the fascinating P vs NP problem, often metaphorically dubbed a 'golden ticket' in computer science, representing the ultimate search for whether computationally difficult problems can be easily solved. This quest delves into the very nature of efficiency and impossibility in algorithm design and theoretical mathematics.

The Golden Ticket

The P-NP problem is the most important open problem in computer science, if not all of mathematics. Simply stated, it asks whether every problem whose solution can be quickly checked by computer can also be quickly solved by computer. The Golden Ticket provides a nontechnical introduction to P-NP, its rich history, and its algorithmic implications for everything we do with computers and beyond. Lance Fortnow traces the history and development of P-NP, giving examples from a variety of disciplines, including economics, physics, and biology. He explores problems that capture the full difficulty of the P-NP dilemma, from discovering the shortest route through all the rides at Disney World to finding large groups of friends on Facebook. The Golden Ticket explores what we truly can and cannot achieve computationally, describing the benefits and unexpected challenges of this compelling problem.

The Golden Ticket

Provides a nontechnical introduction to the P-NP problem in computing—which asks whether every problem than can be verified quickly by a computer can also be solved quickly by a computer—its rich history, and its algorithmic implications for everything we do with computers and beyond.

The Great Mathematical Problems

There are some mathematical problems whose significance goes beyond the ordinary - like Fermat's Last Theorem or Goldbach's Conjecture - they are the enigmas which define mathematics. The Great Mathematical Problems explains why these problems exist, why they matter, what drives mathematicians to incredible lengths to solve them and where they stand in the context of mathematics and science as a whole. It contains solved problems - like the Poincar Conjecture, cracked by the eccentric genius Grigori Perelman, who refused academic honours and a million-dollar prize for his work, and ones which, like the Riemann Hypothesis, remain baffling after centuries. Stewart is the guide to this mysterious and exciting world, showing how modern mathematicians constantly rise to the challenges set by their predecessors, as the great mathematical problems of the past succumb to the new techniques and ideas of the present.

What Can Be Computed?

An accessible and rigorous textbook for introducing undergraduates to computer science theory What Can Be Computed? is a uniquely accessible yet rigorous introduction to the most profound ideas at the heart of computer science. Crafted specifically for undergraduates who are studying the subject for the first time, and requiring minimal prerequisites, the book focuses on the essential fundamentals of

computer science theory and features a practical approach that uses real computer programs (Python and Java) and encourages active experimentation. It is also ideal for self-study and reference. The book covers the standard topics in the theory of computation, including Turing machines and finite automata, universal computation, nondeterminism, Turing and Karp reductions, undecidability, time-complexity classes such as P and NP, and NP-completeness, including the Cook-Levin Theorem. But the book also provides a broader view of computer science and its historical development, with discussions of Turing's original 1936 computing machines, the connections between undecidability and Gödel's incompleteness theorem, and Karp's famous set of twenty-one NP-complete problems. Throughout, the book recasts traditional computer science concepts by considering how computer programs are used to solve real problems. Standard theorems are stated and proven with full mathematical rigor, but motivation and understanding are enhanced by considering concrete implementations. The book's examples and other content allow readers to view demonstrations of—and to experiment with—a wide selection of the topics it covers. The result is an ideal text for an introduction to the theory of computation. An accessible and rigorous introduction to the essential fundamentals of computer science theory, written specifically for undergraduates taking introduction to the theory of computation Features a practical, interactive approach using real computer programs (Python in the text, with forthcoming Java alternatives online) to enhance motivation and understanding Gives equal emphasis to computability and complexity Includes special topics that demonstrate the profound nature of key ideas in the theory of computation Lecture slides and Python programs are available at whatcanbecomputed.com

Quantum Computing Since Democritus

Takes students and researchers on a tour through some of the deepest ideas of maths, computer science and physics.

In Pursuit of the Traveling Salesman

The story of one of the greatest unsolved problems in mathematics What is the shortest possible route for a traveling salesman seeking to visit each city on a list exactly once and return to his city of origin? It sounds simple enough, yet the traveling salesman problem is one of the most intensely studied puzzles in applied mathematics—and it has defied solution to this day. In this book, William Cook takes readers on a mathematical excursion, picking up the salesman's trail in the 1800s when Irish mathematician W. R. Hamilton first defined the problem, and venturing to the furthest limits of today’s state-of-the-art attempts to solve it. He also explores its many important applications, from genome sequencing and designing computer processors to arranging music and hunting for planets. In Pursuit of the Traveling Salesman travels to the very threshold of our understanding about the nature of complexity, and challenges you yourself to discover the solution to this captivating mathematical problem.

Nine Algorithms That Changed the Future

Nine revolutionary algorithms that power our computers and smartphones Every day, we use our computers to perform remarkable feats. A simple web search picks out a handful of relevant needles from the world's biggest haystack. Uploading a photo to Facebook transmits millions of pieces of information over numerous error-prone network links, yet somehow a perfect copy of the photo arrives intact. Without even knowing it, we use public-key cryptography to transmit secret information like credit card numbers, and we use digital signatures to verify the identity of the websites we visit. How do our computers perform these tasks with such ease? John MacCormick answers this question in language anyone can understand, using vivid examples to explain the fundamental tricks behind nine computer algorithms that power our PCs, tablets, and smartphones.

P, NP, and NP-Completeness

The focus of this book is the P versus NP Question and the theory of NP-completeness. It also provides adequate preliminaries regarding computational problems and computational models. The P versus NP Question asks whether or not finding solutions is harder than checking the correctness of solutions. An alternative formulation asks whether or not discovering proofs is harder than verifying their correctness. It is widely believed that the answer to these equivalent formulations is positive, and this is captured by saying that P is different from NP. Although the P versus NP Question remains unresolved, the theory of NP-completeness offers evidence for the intractability of specific problems in NP by showing that they are universal for the entire class. Amazingly enough, NP-complete problems exist, and furthermore

hundreds of natural computational problems arising in many different areas of mathematics and science are NP-complete.

Problem-Solving Strategies

A unique collection of competition problems from over twenty major national and international mathematical competitions for high school students. Written for trainers and participants of contests of all levels up to the highest level, this will appeal to high school teachers conducting a mathematics club who need a range of simple to complex problems and to those instructors wishing to pose a "problem of the week\

Mathematics and Computation

An introduction to computational complexity theory, its connections and interactions with mathematics, and its central role in the natural and social sciences, technology, and philosophy Mathematics and Computation provides a broad, conceptual overview of computational complexity theory—the mathematical study of efficient computation. With important practical applications to computer science and industry, computational complexity theory has evolved into a highly interdisciplinary field, with strong links to most mathematical areas and to a growing number of scientific endeavors. Avi Wigderson takes a sweeping survey of complexity theory, emphasizing the field’s insights and challenges. He explains the ideas and motivations leading to key models, notions, and results. In particular, he looks at algorithms and complexity, computations and proofs, randomness and interaction, quantum and arithmetic computation, and cryptography and learning, all as parts of a cohesive whole with numerous cross-influences. Wigderson illustrates the immense breadth of the field, its beauty and richness, and its diverse and growing interactions with other areas of mathematics. He ends with a comprehensive look at the theory of computation, its methodology and aspirations, and the unique and fundamental ways in which it has shaped and will further shape science, technology, and society. For further reading, an extensive bibliography is provided for all topics covered. Mathematics and Computation is useful for undergraduate and graduate students in mathematics, computer science, and related fields, as well as researchers and teachers in these fields. Many parts require little background, and serve as an invitation to newcomers seeking an introduction to the theory of computation. Comprehensive coverage of computational complexity theory, and beyond High-level, intuitive exposition, which brings conceptual clarity to this central and dynamic scientific discipline Historical accounts of the evolution and motivations of central concepts and models A broad view of the theory of computation's influence on science, technology, and society Extensive bibliography

Book of Proof

This book is an introduction to the language and standard proof methods of mathematics. It is a bridge from the computational courses (such as calculus or differential equations) that students typically encounter in their first year of college to a more abstract outlook. It lays a foundation for more theoretical courses such as topology, analysis and abstract algebra. Although it may be more meaningful to the student who has had some calculus, there is really no prerequisite other than a measure of mathematical maturity.

Interpretable Machine Learning

This book is about making machine learning models and their decisions interpretable. After exploring the concepts of interpretability, you will learn about simple, interpretable models such as decision trees, decision rules and linear regression. Later chapters focus on general model-agnostic methods for interpreting black box models like feature importance and accumulated local effects and explaining individual predictions with Shapley values and LIME. All interpretation methods are explained in depth and discussed critically. How do they work under the hood? What are their strengths and weaknesses? How can their outputs be interpreted? This book will enable you to select and correctly apply the interpretation method that is most suitable for your machine learning project.

Darwin Deleted

A history of science text imagining how evolutionary theory and biology would have been understood if Darwin had never published his "Origin of Species" and other works.--publisher summary.

The Magic of Thinking Big

More than 6 million readers around the world have improved their lives by reading The Magic of Thinking Big. First published in 1959, David J Schwartz's classic teachings are as powerful today as they were then. Practical, empowering and hugely engaging, this book will not only inspire you, it will give you the tools to change your life for the better - starting from now. His step-by-step approach will show you how to: - Defeat disbelief and the negative power it creates - Make your mind produce positive thoughts - Plan a concrete success-building programme - Do more and do it better by turning on your creative power - Capitalise on the power of NOW Updated for the 21st century, this is your go-to guide to a better life, starting with the way you think.

The Condition of the Working-Class in England in 1844

Reproduction of the original: The Condition of the Working-Class in England in 1844 by Frederick Engels

The Data Science Design Manual

This engaging and clearly written textbook/reference provides a must-have introduction to the rapidly emerging interdisciplinary field of data science. It focuses on the principles fundamental to becoming a good data scientist and the key skills needed to build systems for collecting, analyzing, and interpreting data. The Data Science Design Manual is a source of practical insights that highlights what really matters in analyzing data, and provides an intuitive understanding of how these core concepts can be used. The book does not emphasize any particular programming language or suite of data-analysis tools, focusing instead on high-level discussion of important design principles. This easy-to-read text ideally serves the needs of undergraduate and early graduate students embarking on an “Introduction to Data Science” course. It reveals how this discipline sits at the intersection of statistics, computer science, and machine learning, with a distinct heft and character of its own. Practitioners in these and related fields will find this book perfect for self-study as well. Additional learning tools: Contains “War Stories,” offering perspectives on how data science applies in the real world Includes “Homework Problems,” providing a wide range of exercises and projects for self-study Provides a complete set of lecture slides and online video lectures at www.data-manual.com Provides “Take-Home Lessons,” emphasizing the big-picture concepts to learn from each chapter Recommends exciting “Kaggle Challenges” from the online platform Kaggle Highlights “False Starts,” revealing the subtle reasons why certain approaches fail Offers examples taken from the data science television show “The Quant Shop” (www.quant-shop.com)

Man, Play, and Games

According to Roger Caillois, play is an occasion of pure waste. In spite of this - or because of it - play constitutes an essential element of human social and spiritual development. In this study, the author defines play as a free and voluntary activity that occurs in a pure space, isolated and protected from the rest of life.

The Shipping News

Winner of the Pulitzer Prize, Annie Proulx’s The Shipping News is a vigorous, darkly comic, and at times magical portrait of the contemporary North American family. Quoyle, a third-rate newspaper hack, with a “head shaped like a crenshaw, no neck, reddish hair...features as bunched as kissed fingertips,” is wrenched violently out of his workaday life when his two-timing wife meets her just desserts. An aunt convinces Quoyle and his two emotionally disturbed daughters to return with her to the starkly beautiful coastal landscape of their ancestral home in Newfoundland. Here, on desolate Quoyle’s Point, in a house empty except for a few mementos of the family’s unsavory past, the battered members of three generations try to cobble up new lives. Newfoundland is a country of coast and cove where the mercury rarely rises above seventy degrees, the local culinary delicacy is cod cheeks, and it’s easier to travel by boat and snowmobile than on anything with wheels. In this harsh place of cruel storms, a collapsing fishery, and chronic unemployment, the aunt sets up as a yacht upholsterer in nearby Killick-Claw, and Quoyle finds a job reporting the shipping news for the local weekly, the Gammy Bird (a paper that specializes in sexual-abuse stories and grisly photos of car accidents). As the long winter closes its jaws of ice, each of the Quoyles confronts private demons, reels from catastrophe to minor triumph—in the company of the obsequious Mavis Bangs; Diddy Shovel the strongman; drowned Herald Prowse;

cane-twirling Beety; Nutbeem, who steals foreign news from the radio; a demented cousin the aunt refuses to recognize; the much-zippered Alvin Yark; silent Wavey; and old Billy Pretty, with his bag of secrets. By the time of the spring storms Quoyle has learned how to gut cod, to escape from a pickle jar, and to tie a true lover’s knot.

Heavenly Mathematics

"Spherical trigonometry was at the heart of astronomy and ocean-going navigation for two millennia. The discipline was a mainstay of mathematics education for centuries, and it was a standard subject in high schools until the 1950s. Today, however, it is rarely taught. Heavenly Mathematics traces the rich history of this forgotten art, revealing how the cultures of classical Greece, medieval Islam, and the modern West used spherical trigonometry to chart the heavens and the Earth."--Jacket.

Behavioral Finance: The Second Generation

Behavioral finance presented in this book is the second-generation of behavioral finance. The first generation, starting in the early 1980s, largely accepted standard finance’s notion of people’s wants as “rational” wants—restricted to the utilitarian benefits of high returns and low risk. That first generation commonly described people as “irrational”—succumbing to cognitive and emotional errors and misled on their way to their rational wants. The second generation describes people as normal. It begins by acknowledging the full range of people’s normal wants and their benefits—utilitarian, expressive, and emotional—distinguishes normal wants from errors, and offers guidance on using shortcuts and avoiding errors on the way to satisfying normal wants. People’s normal wants include financial security, nurturing children and families, gaining high social status, and staying true to values. People’s normal wants, even more than their cognitive and emotional shortcuts and errors, underlie answers to important questions of finance, including saving and spending, portfolio construction, asset pricing, and market efficiency.

The Precipice

What existential threats does humanity face? And how can we secure our future? 'The Precipice is a powerful book . . . Ord's love for humanity and hope for its future is infectious' Spectator 'Ord's analysis of the science is exemplary . . . Thrillingly written' Sunday Times We live during the most important era of human history. In the twentieth century, we developed the means to destroy ourselves – without developing the moral framework to ensure we won't. This is the Precipice, and how we respond to it will be the most crucial decision of our time. Oxford moral philosopher Toby Ord explores the risks to humanity's future, from the familiar man-made threats of climate change and nuclear war, to the potentially greater, more unfamiliar threats from engineered pandemics and advanced artificial intelligence. With clear and rigorous thinking, Ord calculates the various risk levels, and shows how our own time fits within the larger story of human history. We can say with certainty that the novel coronavirus does not pose such a risk. But could the next pandemic? And what can we do, in our present moment, to face the risks head on? A major work that brings together the disciplines of physics, biology, earth and computer science, history, anthropology, statistics, international relations, political science and moral philosophy, The Precipice is a call for a new understanding of our age: a major reorientation in the way we see the world, our history, and the role we play in it.

The End of Poverty

Hailed by The New York Times as probably the most important economist in the world , Jeffrey Sachs is internationally renowned for his work around the globe advising economies in crisis. Now he draws on all he has learned from twenty-five years of work to offer a uniquely informed vision of the keys to economic success in the world today and the steps that are necessary to achieve prosperity for all. Marrying vivid, passionate storytelling with profound, rigorous analysis, Jeffrey Sachs explains why, over the past two hundred years, wealth has diverged across the planet and why the poorest nations have so far been unable to improve their lot. He explains how to arrive at an in-depth diagnosis of a country s economic challenges and the options it faces. He leads readers along the same learning path he himself followed, telling the stories of his own work in Bolivia, Poland, Russia, India, China and Africa to bring us to a deep understanding of the challenges faced by developing nations in different parts of the world. Finally, he offers an integrated set of solutions to the interwoven economic, political, environmental and social problems that most challenge the world s poorest countries and, indeed, the world. Ultimately, The End of Poverty leaves readers with an understanding, not just of how grave the

problem of poverty is, but how solvable it is and why making the necessary effort is a matter of both moral obligation and strategic self-interest of the rich countries. A work of astounding intellectual vision that grows out of unprecedented real-world experience, The End of Poverty is a road map to a safer, more prosperous world for us all.

Mathematics for Computer Science

This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

The Advent of the Algorithm

An exploration of the discovery and far reaching effects of the algorithm especially as it relates to the computerized world.

Open Problems in Mathematics

The goal in putting together this unique compilation was to present the current status of the solutions to some of the most essential open problems in pure and applied mathematics. Emphasis is also given to problems in interdisciplinary research for which mathematics plays a key role. This volume comprises highly selected contributions by some of the most eminent mathematicians in the international mathematical community on longstanding problems in very active domains of mathematical research. A joint preface by the two volume editors is followed by a personal farewell to John F. Nash, Jr. written by Michael Th. Rassias. An introduction by Mikhail Gromov highlights some of Nash's legendary mathematical achievements. The treatment in this book includes open problems in the following fields: algebraic geometry, number theory, analysis, discrete mathematics, PDEs, differential geometry, topology, K-theory, game theory, fluid mechanics, dynamical systems and ergodic theory, cryptography, theoretical computer science, and more. Extensive discussions surrounding the progress made for each problem are designed to reach a wide community of readers, from graduate students and established research mathematicians to physicists, computer scientists, economists, and research scientists who are looking to develop essential and modern new methods and theories to solve a variety of open problems.

Ten Days That Shook The World

An impassioned firsthand account of the Russian Revolution An American journalist and revolutionary writer, John Reed became a close friend of Lenin and was an eyewitness to the 1917 revolution in Russia. Ten Days That Shook the World is Reeds extraordinary record of that event. 'It flashed upon me suddenly: they were going to shoot me!' This electrifying eyewitness account of the Russian Revolution, written by an American journalist in St Petersburg as the Bolsheviks seized power in 1917, is an unsurpassed record of history in the making. John Reed (1887-1920) American journalist and poet-adventurer whose colorful life as a revolutionary writer ended in Russia but made him the hero of a generation of radical intellectuals. Reed became a close friend of V.I. Lenin and was an eyewitness to the 1917 October revolution. He recorded this historical event in his best-known book TEN DAYS THAT SHOOK THE WORLD (1920). Reed is buried with other Bolshevik heroes beside the Kremlin wall.

The Presentation of Self in Everyday Life

A notable contribution to our understanding of ourselves. This book explores the realm of human behavior in social situations and the way that we appear to others. Dr. Goffman uses the metaphor of theatrical performance as a framework. Each person in everyday social intercourse presents himself and his activity to others, attempts to guide and cotnrol the impressions they form of him, and employs certain techniques in order to sustain his performance, just as an actor presents a character to an audience. The discussions of these social techniques offered here are based upon detailed research and observation of social customs in many regions.

Constituent Imagination

From the ivory tower to the barricades! Radical intellectuals explore the relationship between research and resistance.

Proofreading, Revising & Editing Skills Success in 20 Minutes a Day

This comprehensive guide will prepare candidates for the test in all 50 states. It includes four complete practice exams, a real estate refresher course and complete math review, as well as a real estate terms glossary with over 900 terms, and expert test-prep tips.

Advanced Problems in Mathematics

This new and expanded edition is intended to help candidates prepare for entrance examinations in mathematics and scientific subjects, including STEP (Sixth Term Examination Paper). STEP is an examination used by Cambridge Colleges for conditional offers in mathematics. They are also used by some other UK universities and many mathematics departments recommend that their applicants practice on the past papers even if they do not take the examination.Advanced Problems in Mathematics bridges the gap between school and university mathematics, and prepares students for an undergraduate mathematics course. The questions analysed in this book are all based on past STEP questions and each question is followed by a comment and a full solution. The comments direct the reader's attention to key points and put the question in its true mathematical context. The solutions point students to the methodology required to address advanced mathematical problems critically and independently.This book is a must read for any student wishing to apply to scientific subjects at university level and for anyone interested in advanced mathematics. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

Artificial Intelligence in the 21st Century

This new edition provides a comprehensive, colorful, up-to-date, and accessible presentation of AI without sacrificing theoretical foundations. It includes numerous examples, applications, full color images, and human interest boxes to enhance student interest. New chapters on robotics and machine learning are now included. Advanced topics cover neural nets, genetic algorithms, natural language processing, planning, and complex board games. A companion DVD is provided with resources, applications, and figures from the book. Numerous instructors’ resources are available upon adoption. eBook Customers: Companion files are available for downloading with order number/proof of purchase by writing to the publisher at info@merclearning.com. FEATURES: • Includes new chapters on robotics and machine learning and new sections on speech understanding and metaphor in NLP • Provides a comprehensive, colorful, up to date, and accessible presentation of AI without sacrificing theoretical foundations • Uses numerous examples, applications, full color images, and human interest boxes to enhance student interest • Introduces important AI concepts e.g., robotics, use in video games, neural nets, machine learning, and more thorough practical applications • Features over 300 figures and color images with worked problems detailing AI methods and solutions to selected exercises • Includes DVD with resources, simulations, and figures from the book • Provides numerous instructors’ resources, including: solutions to exercises, Microsoft PP slides, etc.

Luboml

The story of the former Polish-Jewish community (shtetl) of Luboml, WoByD, Poland. Its Jewish population of some 4,000, dating back to the 14th century, was exterminated by the occupying German forces and local collaborators in October, 1942. Luboml was formerly known as Lyuboml, Volhynia, Russia and later Lyuboml, Volyns'ka, Ukraine. It was also know by its Yiddish name: Libivne.

The Myth of Sisyphus

In this profound and moving philosophical statement, Camus poses the fundamental question: Is life worth living? If human existence holds no significance, what can keep us from suicide? As Camus argues, if there is no God to give meaning to our lives, humans must take on that purpose themselves. This is our 'absurd' task, like Sisyphus forever rolling his rock up a hill, as the inevitability of death constantly overshadows us. Written during the bleakest days of the Second World War, The Myth of Sisyphus argues for an acceptance of reality that encompasses revolt, passion and, above all, liberty. This volume contains several other essays, including lyrical evocations of the sunlit cities of Algiers

and Oran, the settings of his great novels The Outsider and The Plague. Albert Camus is the author of a number of best-selling and highly influential works, all of which are published by Penguin. They include The Fall, The Outsider and The First Man. He is remembered as one of the few writers to have shaped the intellectual climate of post-war France, but beyond that, his fame has been international. Translated by Justin O'Brien With an Introduction by James Wood

Computability and Complexity Theory

This revised and extensively expanded edition of Computability and Complexity Theory comprises essential materials that are core knowledge in the theory of computation. The book is self-contained, with a preliminary chapter describing key mathematical concepts and notations. Subsequent chapters move from the qualitative aspects of classical computability theory to the quantitative aspects of complexity theory. Dedicated chapters on undecidability, NP-completeness, and relative computability focus on the limitations of computability and the distinctions between feasible and intractable. Substantial new content in this edition includes: a chapter on nonuniformity studying Boolean circuits, advice classes and the important result of Karp Lipton. a chapter studying properties of the fundamental probabilistic complexity classes a study of the alternating Turing machine and uniform circuit classes. an introduction of counting classes, proving the famous results of Valiant and Vazirani and of Toda a thorough treatment of the proof that IP is identical to PSPACE With its accessibility and well-devised organization, this text/reference is an excellent resource and guide for those looking to develop a solid grounding in the theory of computing. Beginning graduates, advanced undergraduates, and professionals involved in theoretical computer science, complexity theory, and computability will find the book an essential and practical learning tool. Topics and features: Concise, focused materials cover the most fundamental concepts and results in the field of modern complexity theory, including the theory of NP-completeness, NP-hardness, the polynomial hierarchy, and complete problems for other complexity classes Contains information that otherwise exists only in research literature and presents it in a unified, simplified manner Provides key mathematical background information, including sections on logic and number theory and algebra Supported by numerous exercises and supplementary problems for reinforcement and self-study purposes

Metric Spaces

Encouraged by the response to the first edition the authors have thoroughly revised Metric Spaces by incorporating suggestions received from the readers.

Australasian Anaesthesia 2017

Rev. ed. of: Language, proof, and logic / Jon Barwise & John Etchemendy.

Language, Proof, and Logic

What unites Google and Facebook, Apple and Microsoft, Siemens and GE, Uber and Airbnb? Across a wide range of sectors, these firms are transforming themselves into platforms: businesses that provide the hardware and software foundation for others to operate on. This transformation signals a major shift in how capitalist firms operate and how they interact with the rest of the economy: the emergence of platform capitalism. This book critically examines these new business forms, tracing their genesis from the long downturn of the 1970s to the boom and bust of the 1990s and the aftershocks of the 2008 crisis. It shows how the fundamental foundations of the economy are rapidly being carved up among a small number of monopolistic platforms, and how the platform introduces new tendencies within capitalism that pose significant challenges to any vision of a post-capitalist future. This book will be essential reading for anyone who wants to understand how the most powerful tech companies of our time are transforming the global economy."

Platform Capitalism

STATISTICAL METHODS FOR PSYCHOLOGY surveys the statistical techniques commonly used in the behavioral and social sciences, especially psychology and education. To help students gain a better understanding of the specific statistical hypothesis tests that are covered throughout the text, author David Howell emphasize conceptual understanding. Along with significantly updated discussions of effect size and meta-analysis, this Eighth Edition continues to focus on two key themes that are the cornerstones of this book's success: the importance of looking at the data before beginning a

hypothesis test, and the importance of knowing the relationship between the statistical test in use and the theoretical questions being asked by the experiment.

Statistical Methods for Psychology

This volume is the first English-language presentation of the Scandinavian Situationists and their role in the Situationist movement. The Situationist movement was an international movement of artists, writers and thinkers that in the 1950s and 1960s tried to revolutionize the world through rejecting bourgeois art and critiquing the post-World War Two capitalist consumer society.

Expect Anything, Fear Nothing